The outline proforma below provides guidance on the information that is provided in each section of the assessment form.

Licence block: The unique reference number of the licence block

Granting of licence proposed: Yes / No - this is based on the HRA only; other factors will also determine whether the licence is ultimately issued

Conditions proposed for the licence

Here we recommend any licence conditions that should be imposed to prohibit the carrying out of specified activities (Stage A, B, C or D) to ensure no adverse effect on integrity (AEOI) on any European site.

Advice proposed with the licence

This advice relates to "buffer zones". Buffer zones are defined as areas that lie outside the designated area of a European site but which can play an important role in maintaining the conservation status of one or more of a site's qualifying interest features. A buffer zone, for example, could be land that is used for foraging by the European site's population of birds or bats – the birds or bats being its interest feature. Consequently, a buffer zone is treated by this assessment as a potentially sensitive area of land because of its proximity to a European site or its potential connectivity to a European site but, nevertheless, an area of land within which we have concluded that Stage A, B, C or D activities will be possible without AEOI on the adjacent European site. Accordingly, the advice notice will not be a formal licence condition. The advice will only highlight the potential sensitivity of the buffer zone (due to its proximity to the European site or its potential connectivity to a European site or its potential sensitivity of the buffer zone (due to its proximity to the European site or its potential connectivity to a European site) and the fact that mitigation and/or alternative siting may therefore be required by planning authorities and possibly other permitting bodies further considering HRA issues for specific project-level operations.

Assessment	of Effects o	n Relevant	European Sites
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Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site within			e A, B, C o n Europear	r D activitie		vity is outsid	Notes		
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
This column lists the European sites that are	Yes or No	These box	es provid	e a 'yes/n	o' answer	to the ab	ove questi	on, "Can S	Stage A, B,	The notes provide a summary of the overall assessment for each
within, or within 10km of, the licence block and		C or D acti	vities be	carried ou	it without	AEOI?" fo	r each inte	erest featu	ure in	European site (based on its interest features and location relative
the interest features of those sites.		each Euro the impact								to the licence block) and provides guidance on the conditions that are recommended as a result.
For Ramsar sites, the designation Criteria that the		activity – i	.e. wheth	er it is ins	ide or out	side the E	uropean s	te. In all i	nstances,	
site meets are summarised (so, for example, an estuarine site designated for its overwintering bird populations might meet Criterion 5 ('regularly supports 20,000 or more waterbirds') and Criterion 6 ('regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds')), but the specific details of the citation are not noted. These are available from http://jncc.defra.gov.uk/page-4 if required.		Stage B, C activities t on the inte European without Al conclusior AEOI.	hat can b erest feat site are a EOI. Outsi	e carried tures of th lso not co ide of a Eu	out witho e site in q insidered t uropean si	ut AEOI. Ir uestion, S to be activ te, at this	a some ins tage A act ities that o strategic p	tances, de vities with can be car blan level,	epending hin a rried out it is our	

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: North York Moors SPA.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Teesmouth & Cleveland Coast Ramsar, Teesmouth and Cleveland Coast SPA (including proposed extension areas), North York Moors SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Teesmouth & Cleveland Coast Ramsar, Teesmouth and Cleveland Coast SPA (including proposed extension areas), North York Moors SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or	ls Euro. site within		Can Sta	ge A, B, C d	or D activitie	es be carried	d out withou	It AEOI?		Notes
within 10km)	block?	lf ac	tivity is withi	n European	site?	lf act	tivity is outsi	de European	n site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Teesmouth & Cleveland Coast Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Criterion 5 - regularly supports 20,000 or more waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features	Is Euro. site		Can Sta	age A, B, C d	or D activitie	es be carrie	d out withou	ut AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	If a	ctivity is with	in European	site?	lf ac	tivity is outsi	de Europear	n site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Teesmouth and Cleveland Coast SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Red knot (Calidris canutus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Great cormorant (Phalacrocorax carbo)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian teal (Anas crecca)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern shoveler (Anas clypeata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sanderling (Calidris alba)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sandwich tern (Sterna sandvicensis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Little tern (Sterna albifrons)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Teesmouth and Cleveland Coast draft SPA extension	No	No	Ne	Νο	Ne	Vee	Vee	Vee	Vee	This extension is outside the licence block, but within 1km of the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not
Avocet (Recurvirostra avosetta)		No	No		No	Yes	Yes	Yes	Yes	considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Common tern (Sterna hirundo)		No	No	No	No	Yes	Yes	Yes	Yes	
North York Moors SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth
Merlin (Falco columbarius)		No	No	No	No	Yes	Yes	Yes	Yes	(so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
European golden plover (Pluvialis apricaria)		No	No	No	No	Yes	Yes	Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
North York Moors SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth
Northern Atlantic wet heaths with Erica tetralix		Yes	No	No	No	Yes	Yes	Yes	Yes	(so that effects do not register at surface) are not considered likely to result in AEOI. With
European dry heaths		Yes	No	No	No	Yes	Yes	Yes	Yes	regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result
Blanket bogs (priority feature if active bog)		Yes	No	No	No	Yes	Yes	Yes	Yes	 in AEOI – see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed the licence' section (above) should be noted.

Licence block: NZ52b

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Northumbria Coast Ramsar, Teesmouth & Cleveland Coast Ramsar, Teesmouth and Cleveland Coast SPA, North York Moors SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Northumbria Coast Ramsar, Teesmouth & Cleveland Coast Ramsar, Teesmouth and Cleveland Coast SPA (including proposed extension areas), Northumbria Coast SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Designated Sites and Interest Features (present within the Licence Block or	ls Euro. site within		Can Sta	ge A, B, C d	or D activitie	es be carried	l out withou	t AEOI?		Notes
within 10km)	block?	lf ac	If activity is within European site?			lf act	ivity is outsid	le European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Northumbria Coast Ramsar Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or	ls Euro. site within		Can Sta	age A, B, C	or D activitie	es be carrie	d out withou	It AEOI?		Notes
within 10km)	block?	If ac	ctivity is with	in European	site?	If ac	tivity is outsi	de European	site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
Teesmouth & Cleveland Coast Ramsar	Yes			•	•		•		•	This site is present within the licence block. Stage A, B, C and D activities undertaken at dept
Criterion 5 - regularly supports 20,000 or more waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	(so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Teesmouth and Cleveland Coast SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth
Red knot (Calidris canutus)		No	No	No	No	Yes	Yes	Yes	Yes	(so that effects do not register at surface) are not considered likely to result in AEOI. With
Waterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to
Great cormorant (Phalacrocorax carbo)		No	No	No	No	Yes	Yes	Yes	Yes	result in AEOI – see 'Conditions proposed for the licence' (above).
Common shelduck (Tadorna tadorna)		No	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with
Eurasian teal (Anas crecca)		No	No	No	No	Yes	Yes	Yes	Yes	the licence' section (above) should be noted.
Northern shoveler (Anas clypeata)		No	No	No	No	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		No	No	No	No	Yes	Yes	Yes	Yes	
Sanderling (Calidris alba)		No	No	No	No	Yes	Yes	Yes	Yes	
Sandwich tern (Sterna sandvicensis)		No	No	No	No	Yes	Yes	Yes	Yes	
Little tern (Sterna albifrons)		No	No	No	No	Yes	Yes	Yes	Yes	
Teesmouth and Cleveland Coast draft SPA extension	Yes	110								As for Teesmouth and Cleveland Coast SPA
Avocet (Recurvirostra avosetta)		No	No	No	No	Yes	Yes	Yes	Yes	
Common tern (Sterna hirundo)		No	No	No	No	Yes	Yes	Yes	Yes	
Northumbria Coast SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Little tern (Sterna albifrons)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
Ruddy turnstone (Arenaria interpres)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
Purple sandpiper (Calidris maritima)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
North York Moors SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Merlin (Falco columbarius)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Durham Coast SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Vegetated sea cliffs of the Atlantic and Baltic Coasts		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
North York Moors SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
Blanket bogs (priority feature if active bog)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Licence block: NZ52c

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Teesmouth & Cleveland Coast Ramsar, Teesmouth and Cleveland Coast SPA (including proposed extension areas), North York Moors SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Teesmouth & Cleveland Coast Ramsar, Teesmouth and Cleveland Coast SPA (including proposed extension areas), North York Moors SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

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Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site within block?		Can Sta			es be carrie		u t AEOI? de European		Notes -
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Teesmouth & Cleveland Coast Ramsar	Yes	Ne	Ne	Ne	Ne	No.	N		N/	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With
Criterion 5 - regularly supports 20,000 or more waterbirds		No	NO	No	No	Yes	Yes	Yes	Yes	regard to activities 'at or near the surface', the following should be noted:
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.

Assessment of Effects on										
Relevant European Sites		T								
Designated Sites and Interest Features (present within the Licence Block or	ls Euro. site within		Can Sta	ige A, B, C	or D activitie	es be carrie	d out witho	It AEOI?		Notes
within 10km)	block?	lf ac	ctivity is withi	n European	site?	If ac	tivity is outsi	de Europear	n site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Teesmouth and Cleveland Coast SPA	Yes			•			•		•	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth
Red knot (Calidris canutus)		No	No	No	No	Yes	Yes	Yes	Yes	(so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Waterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to
Great cormorant (Phalacrocorax carbo)		No	No	No	No	Yes	Yes	Yes	Yes	result in AEOI – see 'Conditions proposed for the licence' (above).
Common shelduck (Tadorna tadorna)		No	No	No	No	Yes	Yes	Yes	Yes	 - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Eurasian teal (Anas crecca)		No	No	No	No	Yes	Yes	Yes	Yes	
Northern shoveler (Anas clypeata)		No	No	No	No	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		No	No	No	No	Yes	Yes	Yes	Yes	
Sanderling (Calidris alba)		No	No	No	No	Yes	Yes	Yes	Yes	
Sandwich tern (Sterna sandvicensis)		No	No	No	No	Yes	Yes	Yes	Yes	
Little tern (Sterna albifrons)		No	No	No	No	Yes	Yes	Yes	Yes	
Teesmouth and Cleveland Coast draft SPA	Yes									As for Teesmouth and Cleveland Coast SPA
extension Avocet (Recurvirostra avosetta)		No	No	No	No	Yes	Yes	Yes	Yes	
Common tern (Sterna hirundo)		No	No	No	No	Yes	Yes	Yes	Yes	
North York Moors SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Merlin (Falco columbarius)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
North York Moors SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
Blanket bogs (priority feature if active bog)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Licence block: NZ90

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are North York Moors SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are North York Moors SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Is Euro. site within block?		Can S	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes		
	lf a	activity is withi	n European s	ite?	If activity is outside European site?						
	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D			
No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities		
	n/a	n/a	n/a	n/a	Yes	Yes	Yes		undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section		
	n/a	n/a	n/a	n/a	Yes	Yes	Yes		(above) should be noted.		
Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that		
	Yes	No	No	No	Yes	Yes	Yes	ies	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.		
	within block?	within block?	within block? If activity is within If activity is within Stage A Stage B No n/a n/a n/a n/a Yes	within block? If activity is within European s Stage A Stage B Stage C No n/a n/a n/a n/a n/a Yes Yes	within block? If activity is within European site? Stage A Stage B Stage C Stage D No n/a n/a n/a n/a n/a n/a n/a n/a Yes Yes Yes Yes	within block? If activity is within European site? If activity is within European site? Stage A Stage B Stage C Stage D No n/a n/a n/a Yes Yes Yes Yes Yes	Within block? If activity is within European site? If activity is outside Stage A Stage B Stage C Stage D Stage A Stage B No n/a n/a n/a n/a Yes Yes Yes Yes Yes Yes Yes Yes	within block? If activity is within European site? If activity is outside European site? Stage A Stage B Stage C Stage D Stage A Stage B Stage C No n/a n/a n/a n/a Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	within block? If activity is within European site? If activity is outside European site? Stage A Stage B Stage C Stage D Stage A Stage C Stage D No n/a n/a n/a n/a Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes		

Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can	Stage A, B, C	C or D activitie	es be carried	out without	AEOI?		Notes
10km)		lf a	activity is with	in European	site?	lf a	ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
North York Moors SAC	No				÷					This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Blanket bogs (priority feature if active bog)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Duddon Estuary Ramsar, Morecambe Bay Ramsar, Morecambe Bay SPA.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Duddon Estuary Ramsar, Morecambe Bay Ramsar, Duddon Estuary SPA, Morecambe Bay SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Duddon Estuary Ramsar, Morecambe Bay Ramsar, Morecambe Bay SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Duddon Estuary Ramsar, Morecambe Bay Ramsar, Duddon Estuary SPA, Morecambe Bay SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

J	Is Euro. site within block?		Can S	Stage A, B, C	or D activitie	es be carried	out without	Notes					
10km)		lf a	activity is with	in European s	ite?	lf au	ctivity is outsid	le European	site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D				
Duddon Estuary Ramsar	Yes		•	•	•	•	•			This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	165	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in			
Criterion 5 - regularly supports 20,000 or more waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	- Stage A, b, C and D advines within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the			
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		Yes	No	No	No	Yes	Yes	Yes		licence' section (above) should be noted.			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		Yes	No	No	No	Yes	Yes	Yes	Yes				

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site		Can	Stage A, B, C	or D activitie	es be carried	l out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	activity is with	in European s	ite?	lf a	ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Morecambe Bay Ramsar	Yes			<u> </u>	<u> </u>	<u> </u>				This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		Yes	No	No	No	Yes	Yes	Yes	Yes	- Stage A, D, Send D advises within the European site both and the Considered interview of test in the AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Criterion 5 - regularly supports 20,000 or more waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Duddon Estuary SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Sandwich tern (Sterna sandvicensis)	163	No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at
Common redshank (Tringa totanus)		No	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Red knot (Calidris canutus)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
Northern pintail (Anas acuta)		No	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Waterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Morecambe Bay SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Northern pintail (Anas acuta)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Seabird assemblage		No	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to result in
Waterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Red knot (Calidris canutus)		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Sandwich tern (Sterna sandvicensis)		No	No	No	No	Yes	Yes	Yes	Yes	
Ruddy turnstone (Arenaria interpres)		No	No	No	No	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		No	No	No	No	Yes	Yes	Yes	Yes	
Eurasian curlew (Numenius arquata)		No	No	No	No	Yes	Yes	Yes	Yes	
Pink-footed goose (Anser brachyrhynchus)		No	No	No	No	Yes	Yes	Yes	Yes	
Dunlin (Calidris alpina schinzii)		No	No	No	No	Yes	Yes	Yes	Yes	
Grey plover (Pluvialis squatarola)		No	No	No	No	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		No	No	No	No	Yes	Yes	Yes	Yes	
Eurasian oystercatcher (Haematopus ostralegus)		No	No	No	No	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		No	No	No	No	Yes	Yes	Yes	Yes	
Bar-tailed godwit (Limosa lapponica)		No	No	No	No	Yes	Yes	Yes	Yes	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
10km)	WILIIII DIOCK?	lf á	activity is with	in European s	site?	lf a	ctivity is outsi	de European	site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
Morecambe Bay SAC	Yes	•				•			•	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so the
Sandbanks which are slightly covered by sea water all the time		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activitie or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEC
Estuaries		Yes	No	No	No	Yes	Yes	Yes	Yes	see 'Conditions proposed for the licence' (above).
Mudflats and sandflats not covered by seawater at low tide		Yes	No	No	No	Yes	Yes	Yes	Yes	 for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Coastal lagoons		Yes	No	No	No	Yes	Yes	Yes	Yes	
Large shallow inlets and bays		Yes	No	No	No	Yes	Yes	Yes	Yes	
Reefs		Yes	No	No	No	Yes	Yes	Yes	Yes	
Perennial vegetation of stony banks		Yes	No	No	No	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and sand		Yes	No	No	No	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	1	Yes	No	No	No	Yes	Yes	Yes	Yes	
Embryonic shifting dunes		Yes	No	No	No	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	
Atlantic decalcified fixed dunes (Calluno-Ulicetea)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Dunes with Salix repens ssp. argentea (Salicion arenariae)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Humid dune slacks		Yes	No	No	No	Yes	Yes	Yes	Yes	
Great crested newt (Triturus cristatus)		Yes	No	No	No	Yes	Yes	Yes	Yes	

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Duddon Estuary Ramsar, Duddon Estuary SPA.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Duddon Estuary Ramsar, Morecambe Bay Ramsar, Duddon Estuary SPA, Morecambe Bay SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Duddon Estuary Ramsar, Morecambe Bay Ramsar, Morecambe Bay SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration affects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Duddon Estuary Ramsar, Morecambe Bay Ramsar, Duddon Estuary SPA, Morecambe Bay SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

······································	ls Euro. site within block?			Stage A, B, C						Notes
10km)				in European s			ctivity is outsi			
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Duddon Estuary Ramsar Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Criterion 5 - regularly supports 20,000 or more waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	- Stage A, D, C and D advines within the European site obtained are considered interval to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		Yes	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		Yes	No	No	No	Yes	Yes	Yes	Yes	

Assessment of Effects on										
Relevant European Sites										
	ls Euro. site		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	activity is with	in European s	site?	lf a	ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Morecambe Bay Ramsar	No			•	•					This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 5 - regularly supports 20,000 or more waterbirds	;	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Duddon Estuary SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Sandwich tern (Sterna sandvicensis)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Common redshank (Tringa totanus)		No	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to result in
Red knot (Calidris canutus)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
Northern pintail (Anas acuta)		No	No	No	No	Yes	Yes	Yes	Yes	 - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Waterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	
Morecambe Bay SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Northern pintail (Anas acuta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Seabird assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Red knot (Calidris canutus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sandwich tern (Sterna sandvicensis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ruddy turnstone (Arenaria interpres)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian curlew (Numenius arquata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Pink-footed goose (Anser brachyrhynchus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey plover (Pluvialis squatarola)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian oystercatcher (Haematopus ostralegus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bar-tailed godwit (Limosa lapponica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Designated Sites and Interest Features	ls Euro. site		Can	Stage A, B, C	or D activiti	es be carried	l out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	activity is with	nin European	site?	lf a	activity is outs	de European	site?	-
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
Morecambe Bay SAC	Yes			·						This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so
Sandbanks which are slightly covered by sea water all he time		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activitie or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AE
Estuaries		Yes	No	No	No	Yes	Yes	Yes	Yes	see 'Conditions proposed for the licence' (above).
Nudflats and sandflats not covered by seawater at low ide		Yes	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Coastal lagoons		Yes	No	No	No	Yes	Yes	Yes	Yes	
arge shallow inlets and bays		Yes	No	No	No	Yes	Yes	Yes	Yes	
Reefs		Yes	No	No	No	Yes	Yes	Yes	Yes	
Perennial vegetation of stony banks		Yes	No	No	No	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and sand		Yes	No	No	No	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	1	Yes	No	No	No	Yes	Yes	Yes	Yes	
Embryonic shifting dunes		Yes	No	No	No	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	
Atlantic decalcified fixed dunes (Calluno-Ulicetea)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Dunes with Salix repens ssp. argentea (Salicion arenariae)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Humid dune slacks		Yes	No	No	No	Yes	Yes	Yes	Yes	
Great crested newt (Triturus cristatus)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Duddon Mosses SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activit
Active raised bogs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Degraded raised bogs still capable of natural regeneration		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Subberthwaite, Blawith and Torver Low Commons	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activi undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Fransition mires and quaking bogs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Depressions on peat substrates of the Rhynchosporion		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Ribble & Alt Estuaries Ramsar, Ribble and Alt Estuaries SPA, Liverpool Bay / Bae Lerpwl SPA.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Ribble & Alt Estuaries Ramsar, Ribble and Alt Estuaries SPA, Mersey Narrows and North Wirral Foreshore SPA, Liverpool Bay / Bae Lerpwl SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Ribble & Alt Estuaries Ramsar, Sefton Coast SAC, Dee Estuary/Aber Dyfrdwy SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Ribble & Alt Estuaries Ramsar, Ribble and Alt Estuaries SPA, Mersey Narrows and North Wirral Foreshore SPA, Liverpool Bay / Bae Lerpwl SPA, Dee Estuary/Aber Dyfrdwy SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

(present within the Licence Block or within	ls Euro. site within block?						l out without			Notes
10km)		Stage A	activity is with Stage B	Stage C	Stage D	It a Stage A	Stage B	Stage C	site? Stage D	-
Ribble & Alt Estuaries Ramsar Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
Criterion 5 - regularly supports 20,000 or more waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	

Designated Sites and Interest Features present within the Licence Block or within	Is Euro. site within block?		Can	Stage A, B, C	cor D activiti	es be carried	d out without	AEOI?		Notes
lokm)	WIGHT DIOCK?	lf a	activity is with	in European s	site?	lf a	activity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
ibble and Alt Estuaries SPA	Yes			1						This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so
unlin (Calidris alpina schinzii)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activiti
eabird assemblage		No	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
urasian teal (Anas crecca)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
ed knot (Calidris canutus)		No	No	No	No	Yes	Yes	Yes	Yes	 - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
orthern lapwing (Vanellus vanellus)		No	No	No	No	Yes	Yes	Yes	Yes	licence section (above) should be noted.
uropean golden plover (Pluvialis apricaria)		No	No	No	No	Yes	Yes	Yes	Yes	
aterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	
urasian oystercatcher (Haematopus ostralegus)		No	No	No	No	Yes	Yes	Yes	Yes	
lack (common) scoter (Melanitta nigra)		No	No	No	No	Yes	Yes	Yes	Yes	
anderling (Calidris alba)		No	No	No	No	Yes	Yes	Yes	Yes	
orthern pintail (Anas acuta)		No	No	No	No	Yes	Yes	Yes	Yes	
			No	No			Yes	Yes		
rey plover (Pluvialis squatarola)		No			No	Yes Yes			Yes Yes	
urasian wigeon (Anas penelope)		No	No	No	No		Yes	Yes		
ommon shelduck (Tadorna tadorna)		No	No	No	No	Yes	Yes	Yes	Yes	
nk-footed goose (Anser brachyrhynchus)		No	No	No	No	Yes	Yes	Yes	Yes	
hooper swan (Cygnus cygnus)		No	No	No	No	Yes	Yes	Yes	Yes	
undra swan (Cygnus columbianus bewickii)		No	No	No	No	Yes	Yes	Yes	Yes	
reat cormorant (Phalacrocorax carbo)		No	No	No	No	Yes	Yes	Yes	Yes	
reater scaup (Aythya marila)		No	No	No	No	Yes	Yes	Yes	Yes	
esser black-backed gull (Larus fuscus)		No	No	No	No	Yes	Yes	Yes	Yes	
anderling (Calidris alba)		No	No	No	No	Yes	Yes	Yes	Yes	
inged plover (Charadrius hiaticula)		No	No	No	No	Yes	Yes	Yes	Yes	
ommon tern (Sterna hirundo)		No	No	No	No	Yes	Yes	Yes	Yes	
lack-headed gull (Larus ridibundus)		No	No	No	No	Yes	Yes	Yes	Yes	
ommon redshank (Tringa totanus)		No	No	No	No	Yes	Yes	Yes	Yes	
ommon redshank (Tringa totanus)		No	No	No	No	Yes	Yes	Yes	Yes	
urasian curlew (Numenius arquata)		No	No	No	No	Yes	Yes	Yes	Yes	
/himbrel (Numenius phaeopus)		No	No	No	No	Yes	Yes	Yes	Yes	
lack-tailed godwit (Limosa limosa islandica)		No	No	No	No	Yes	Yes	Yes	Yes	
uff (Philomachus pugnax)		No	No	No	No	Yes	Yes	Yes	Yes	
ar-tailed godwit (Limosa lapponica)		No	No	No	No	Yes	Yes	Yes	Yes	
Iersey Narrows and North Wirral Foreshore SPA	No		. 10	. 10						This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activi
ittle gull (Larus minutus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in
										AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
/aterfowl assemblage		n/a	n/a	n/a	n/a n/a	Yes	Yes	Yes	Yes	(above) should be noted.
ar-tailed godwit (Limosa lapponica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ed knot (Calidris canutus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ommon tern (Sterna hirundo)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ommon redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
unlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
anderling (Calidris alba)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ey plover (Pluvialis squatarola)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
urasian oystercatcher (Haematopus ostralegus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
reat cormorant (Phalacrocorax carbo)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ommon tern (Sterna hirundo)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site		Can	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	If a	activity is with	in European s	site?	lfa	ctivity is outsi	le European :	site?	-
lokiii)					_					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Liverpool Bay / Bae Lerpwl SPA	Yes	•		•	•	•		•		This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Waterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Black (common) scoter (Melanitta nigra)		No	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to result in
Red-throated diver (Gavia stellata)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Sefton Coast SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Embryonic shifting dunes		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	 - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	 - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Atlantic decalcified fixed dunes (Calluno-Ulicetea)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Dunes with Salix repens ssp. argentea (Salicion arenariae)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Humid dune slacks		Yes	No	No	No	Yes	Yes	Yes	Yes	
Great crested newt (Triturus cristatus)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Petalwort (Petalophyllum ralfsii)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Dee Estuary/Aber Dyfrdwy SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Estuaries		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Mudflats and sandflats not covered by seawater at low tide		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Annual vegetation of drift lines		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Vegetated sea cliffs of the Atlantic and Baltic Coasts		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and sand		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Embryonic shifting dunes		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Humid dune slacks		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Petalwort (Petalophyllum ralfsii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Ribble & Alt Estuaries Ramsar, Ribble and Alt Estuaries SPA, Liverpool Bay / Bae Lerpwl SPA.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Ribble & Alt Estuaries Ramsar, Ribble and Alt Estuaries SPA, Liverpool Bay / Bae Lerpwl SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Ribble & Alt Estuaries Ramsar, Sefton Coast SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Ribble & Alt Estuaries Ramsar, Ribble and Alt Estuaries SPA, Liverpool Bay / Bae Lerpwl SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can St	age A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
		lf ac	tivity is within	European s	ite?	lf a	ctivity is outsi	de European :	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Designated Sites and Interest Features	ls Euro. site	1	Can	Stano A B C	or Dactiviti	os ho carrior	l out without	ut AEOI?		Notes
present within the Licence Block or within	within block?			-				-:		
10km)			activity is with				ctivity is outsi			
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Ribble & Alt Estuaries Ramsar	Yes			•		•				This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Criterion 5 - regularly supports 20,000 or more waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a sopulation of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	
Ribble and Alt Estuaries SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Dunlin (Calidris alpina schinzii)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities
Seabird assemblage		No	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Eurasian teal (Anas crecca)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
Red knot (Calidris canutus)		No	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Northern lapwing (Vanellus vanellus)		No	No	No	No	Yes	Yes	Yes	Yes	licence section (above) should be noted.
European golden plover (Pluvialis apricaria)		No	No	No	No	Yes	Yes	Yes	Yes	
Waterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	
Eurasian oystercatcher (Haematopus ostralegus)		No	No	No	No	Yes	Yes	Yes	Yes	
Black (common) scoter (Melanitta nigra)		No	No	No	No	Yes	Yes	Yes	Yes	
Sanderling (Calidris alba)		No	No	No	No	Yes	Yes	Yes	Yes	
Northern pintail (Anas acuta)		No	No	No	No	Yes	Yes	Yes	Yes	
Grey plover (Pluvialis squatarola)		No	No	No	No	Yes	Yes	Yes	Yes	
Eurasian wigeon (Anas penelope)		No	No	No	No	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		No	No	No	No	Yes	Yes	Yes	Yes	
Pink-footed goose (Anser brachyrhynchus)		No	No	No	No	Yes	Yes	Yes	Yes	
Whooper swan (Cygnus cygnus)		No	No	No	No	Yes	Yes	Yes	Yes	
Fundra swan (Cygnus columbianus bewickii)		No	No	No	No	Yes	Yes	Yes	Yes	
Great cormorant (Phalacrocorax carbo)		No	No	No	No	Yes	Yes	Yes	Yes	
Greater scaup (Aythya marila)		No	No	No	No	Yes	Yes	Yes	Yes	
esser black-backed gull (Larus fuscus)		No	No	No	No	Yes	Yes	Yes	Yes	
Sanderling (Calidris alba)		No	No	No	No	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		No	No	No	No	Yes	Yes	Yes	Yes	
Common tern (Sterna hirundo)		No	No	No	No	Yes	Yes	Yes	Yes	
Black-headed gull (Larus ridibundus)		No	No	No	No	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		No	No	No	No	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		No	No	No	No	Yes	Yes	Yes	Yes	
Eurasian curlew (Numenius arquata)		No	No	No	No	Yes	Yes	Yes	Yes	
Whimbrel (Numenius phaeopus)		No	No	No	No	Yes	Yes	Yes	Yes	
Black-tailed godwit (Limosa limosa islandica)		No	No	No	No	Yes	Yes	Yes	Yes	
Ruff (Philomachus pugnax)		No	No	No	No	Yes	Yes	Yes	Yes	
Bar-tailed godwit (Limosa lapponica)		No	No	No	No	Yes	Yes	Yes	Yes	
Liverpool Bay / Bae Lerpwl SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so the
Naterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities
Black (common) scoter (Melanitta nigra)		No	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Red-throated diver (Gavia stellata)		No	No	No	No	Yes	Yes	Yes	Yes	 AEOI – see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
10km)		lf a	activity is withi	n European s	site?	lf a	ctivity is outsi	le European :	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Sefton Coast SAC	Yes								<u> </u>	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Embryonic shifting dunes		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	 - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Atlantic decalcified fixed dunes (Calluno-Ulicetea)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Dunes with Salix repens ssp. argentea (Salicion arenariae)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Humid dune slacks		Yes	No	No	No	Yes	Yes	Yes	Yes	
Great crested newt (Triturus cristatus)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Petalwort (Petalophyllum ralfsii)		Yes	No	No	No	Yes	Yes	Yes	Yes	

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Morecambe Bay Ramsar, Morecambe Bay SPA.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Duddon Estuary Ramsar, Morecambe Bay Ramsar, Duddon Estuary SPA, Morecambe Bay SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Duddon Estuary Ramsar, Morecambe Bay Ramsar, Morecambe Bay SAC, Shell Flat and Lune Deep SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration affects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Duddon Estuary Ramsar, Morecambe Bay Ramsar, Duddon Estuary SPA, Morecambe Bay SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Nelevant Luropean Sites										
- J	ls Euro. site within block?		Can S	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
10km)		lf a	nctivity is withi	in European s	ite?	lf a	ctivity is outsi	le European :	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Duddon Estuary Ramsar	No		•		•	•	•		•	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	ies	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Criterion 5 - regularly supports 20,000 or more waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site		Can	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lfa	activity is with	in European s	ite?	lf a	ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Morecambe Bay Ramsar	Yes							I		This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		Yes	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Criterion 5 - regularly supports 20,000 or more waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Duddon Estuary SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Sandwich tern (Sterna sandvicensis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Red knot (Calidris canutus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern pintail (Anas acuta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Morecambe Bay SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Northern pintail (Anas acuta)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Seabird assemblage		No	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to result in
Waterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Red knot (Calidris canutus)		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Sandwich tern (Sterna sandvicensis)		No	No	No	No	Yes	Yes	Yes	Yes	
Ruddy turnstone (Arenaria interpres)		No	No	No	No	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		No	No	No	No	Yes	Yes	Yes	Yes	
Eurasian curlew (Numenius arquata)		No	No	No	No	Yes	Yes	Yes	Yes	
Pink-footed goose (Anser brachyrhynchus)		No	No	No	No	Yes	Yes	Yes	Yes	
Dunlin (Calidris alpina schinzii)		No	No	No	No	Yes	Yes	Yes	Yes	
Grey plover (Pluvialis squatarola)		No	No	No	No	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		No	No	No	No	Yes	Yes	Yes	Yes	
Eurasian oystercatcher (Haematopus ostralegus)		No	No	No	No	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		No	No	No	No	Yes	Yes	Yes	Yes	
Bar-tailed godwit (Limosa lapponica)		No	No	No	No	Yes	Yes	Yes	Yes	

Designated Sites and Interest Features	ls Euro. site		Can	Stage A, B, C	or D activitie	es be carried	l out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	activity is with	in European :	site?	lf e	activity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	-
Morecambe Bay SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so
Sandbanks which are slightly covered by sea water all the time		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activitie or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AE
Estuaries		Yes	No	No	No	Yes	Yes	Yes	Yes	 stage B, C and D activities within the European site boundary are considered likely to result in AE see 'Conditions proposed for the licence' (above).
Mudflats and sandflats not covered by seawater at low tide		Yes	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Coastal lagoons		Yes	No	No	No	Yes	Yes	Yes	Yes	
Large shallow inlets and bays		Yes	No	No	No	Yes	Yes	Yes	Yes	
Reefs		Yes	No	No	No	Yes	Yes	Yes	Yes	
Perennial vegetation of stony banks		Yes	No	No	No	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and sand		Yes	No	No	No	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Embryonic shifting dunes		Yes	No	No	No	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	
Atlantic decalcified fixed dunes (Calluno-Ulicetea)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Dunes with Salix repens ssp. argentea (Salicion arenariae)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Humid dune slacks		Yes	No	No	No	Yes	Yes	Yes	Yes	
Great crested newt (Triturus cristatus)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Roudsea Wood and Mosses SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activit
Active raised bogs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Degraded raised bogs still capable of natural regeneration		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Tilio-Acerion forests of slopes, screes and ravines		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Taxus baccata woods of the British Isles		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Shell Flat and Lune Deep SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activ
Sandbanks which are slightly covered by sea water all the time		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' sector (show) - barder ba
Reefs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Morecambe Bay Ramsar, Morecambe Bay SPA.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Duddon Estuary Ramsar, Morecambe Bay Ramsar, Duddon Estuary SPA, Morecambe Bay SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Duddon Estuary Ramsar, Morecambe Bay Ramsar, Morecambe Bay SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration affects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Duddon Estuary Ramsar, Morecambe Bay Ramsar, Duddon Estuary SPA, Morecambe Bay SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Designated Sites and Interest Features	Is Euro. site		Can S	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	activity is with	in European s	ite?	lf a	ctivity is outsid	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Duddon Estuary Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	,	n/a	n/a	n/a	n/a	Yes	Yes	Yes	165	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 5 - regularly supports 20,000 or more waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Morecambe Bay Ramsar	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	ies	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a' or near the surface', the following should be noted:
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Criterion 5 - regularly supports 20,000 or more waterbirds		No	No	No	No	Yes	Yes	Yes		licence' section (above) should be noted.

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can	Stage A, B, C	or D activiti	es be carried	l out without	AEOI?		Notes
10km)		lf a	activity is with	in European s	site?	lf a	ctivity is outsi	de European	site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
Duddon Estuary SPA	No	1						·		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Sandwich tern (Sterna sandvicensis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Red knot (Calidris canutus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern pintail (Anas acuta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Morecambe Bay SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Northern pintail (Anas acuta)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a
Seabird assemblage		No	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Waterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
Red knot (Calidris canutus)		No	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Sandwich tern (Sterna sandvicensis)		No	No	No	No	Yes	Yes	Yes	Yes	
Ruddy turnstone (Arenaria interpres)		No	No	No	No	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		No	No	No	No	Yes	Yes	Yes	Yes	
Eurasian curlew (Numenius arquata)		No	No	No	No	Yes	Yes	Yes	Yes	
Pink-footed goose (Anser brachyrhynchus)		No	No	No	No	Yes	Yes	Yes	Yes	
Dunlin (Calidris alpina schinzii)		No	No	No	No	Yes	Yes	Yes	Yes	
Grey plover (Pluvialis squatarola)		No	No	No	No	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		No	No	No	No	Yes	Yes	Yes	Yes	
Eurasian oystercatcher (Haematopus ostralegus)		No	No	No	No	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		No	No	No	No	Yes	Yes	Yes	Yes	
Bar-tailed godwit (Limosa lapponica)		No	No	No	No	Yes	Yes	Yes	Yes	
Morecambe Bay SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Sandbanks which are slightly covered by sea water all the time		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a or near the surface', the following should be noted:
Estuaries		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AEOI - see 'Conditions proposed for the licence' (above).
Mudflats and sandflats not covered by seawater at low tide		Yes	No	No	No	Yes	Yes	Yes	Yes	 for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Coastal lagoons		Yes	No	No	No	Yes	Yes	Yes	Yes	
Large shallow inlets and bays		Yes	No	No	No	Yes	Yes	Yes	Yes	
Reefs		Yes	No	No	No	Yes	Yes	Yes	Yes	
Perennial vegetation of stony banks		Yes	No	No	No	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and sand		Yes	No	No	No	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	Yes	No	No	No	Yes	Yes	Yes	Yes	
Embryonic shifting dunes		Yes	No	No	No	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	
Atlantic decalcified fixed dunes (Calluno-Ulicetea)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Dunes with Salix repens ssp. argentea (Salicion arenariae)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Humid dune slacks		Yes	No	No	No	Yes	Yes	Yes	Yes	
Great crested newt (Triturus cristatus)		Yes	No	No	No	Yes	Yes	Yes	Yes	

Licence block: SD40

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Martin Mere Ramsar, Ribble & Alt Estuaries Ramsar, Ribble and Alt Estuaries SPA, Martin Mere SPA, Mersey Narrows and North Wirral Foreshore SPA, Liverpool Bay / Bae Lerpwl SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Ribble & Alt Estuaries Ramsar, Sefton Coast SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Martin Mere Ramsar, Ribble & Alt Estuaries Ramsar, Ribble and Alt Estuaries SPA, Martin Mere SPA, Mersey Narrows and North Wirral Foreshore SPA, Liverpool Bay / Bae Lerpwl SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Relevant European Siles										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
10km)		lf a	activity is with	n European s	site?	lf a	ctivity is outsi	de European :	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Martin Mere Ramsar	No		•					1	1	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 5 - regularly supports 20,000 or more waterbirds	8	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Ribble & Alt Estuaries Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	/	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 5 - regularly supports 20,000 or more waterbirds	3	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Assessment of Effects on										
Relevant European Sites Designated Sites and Interest Features	ls Euro. site		Can	Stage A B C	or D activiti	es be carrie	d out without			Notes
(present within the Licence Block or within 10km)	within block?	If .		in European			activity is outs		site?	-
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	This sits is suitaide the lisense block, over 1/m from the block boundary Stage A. P. C and D activit
Ribble and Alt Estuaries SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Dunlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Seabird assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Eurasian teal (Anas crecca)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Red knot (Calidris canutus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern lapwing (Vanellus vanellus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian oystercatcher (Haematopus ostralegus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Black (common) scoter (Melanitta nigra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sanderling (Calidris alba)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern pintail (Anas acuta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey plover (Pluvialis squatarola)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian wigeon (Anas penelope)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Pink-footed goose (Anser brachyrhynchus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Whooper swan (Cygnus cygnus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Tundra swan (Cygnus columbianus bewickii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Great cormorant (Phalacrocorax carbo)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Greater scaup (Aythya marila)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Lesser black-backed gull (Larus fuscus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sanderling (Calidris alba)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common tern (Sterna hirundo)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Black-headed gull (Larus ridibundus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian curlew (Numenius arquata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Whimbrel (Numenius phaeopus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Black-tailed godwit (Limosa limosa islandica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ruff (Philomachus pugnax)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
						Yes	Yes	Yes	Yes	
Bar-tailed godwit (Limosa lapponica) Martin Mere SPA	No	n/a	n/a	n/a	n/a	Tes	Tes	165	Tes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
	NO	n/a	n/a	n/a	n/a	Yes	Voc	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Waterfowl assemblage Tundra swan (Cygnus columbianus bewickii)		n/a n/a	n/a n/a	n/a n/a	n/a n/a	Yes	Yes Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
			n/a	n/a	n/a	Yes		Yes	Yes	(above) should be noted.
Whooper swan (Cygnus cygnus) Eurasian wigeon (Anas penelope)		n/a n/a	n/a n/a	n/a n/a	n/a n/a	Yes	Yes Yes	Yes	Yes	
• • • • •										
Pink-footed goose (Anser brachyrhynchus) Northern pintail (Anas acuta)		n/a n/a	n/a n/a	n/a n/a	n/a n/a	Yes	Yes	Yes	Yes	
Northern pintali (Anas acuta) Mersey Narrows and North Wirral Foreshore SPA	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is autoide the license block over 1km from the block boundary. Stops A. B. C. and D. anti-
	NO	2/2	2/2	2/2	2/2	Vaa	Vee	Vee	Vaa	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Little gull (Larus minutus)		n/a n/a	n/a n/a	n/a n/a	n/a n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Waterfowl assemblage		n/a	n/a n/a	n/a n/a	n/a n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Bar-tailed godwit (Limosa lapponica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Red knot (Calidris canutus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common tern (Sterna hirundo)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sanderling (Calidris alba)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
10km)		lf a	nctivity is withi	in European :	site?	lf a	ctivity is outsi	le European :	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Grey plover (Pluvialis squatarola)	·	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian oystercatcher (Haematopus ostralegus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Great cormorant (Phalacrocorax carbo)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common tern (Sterna hirundo)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Liverpool Bay / Bae Lerpwl SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Black (common) scoter (Melanitta nigra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Red-throated diver (Gavia stellata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sefton Coast SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Embryonic shifting dunes		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic decalcified fixed dunes (Calluno-Ulicetea)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunes with Salix repens ssp. argentea (Salicion arenariae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Humid dune slacks		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Great crested newt (Triturus cristatus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Petalwort (Petalophyllum ralfsii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Morecambe Bay Ramsar, Morecambe Bay SPA.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Morecambe Bay Ramsar, Morecambe Bay SPA, Bowland Fells SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Morecambe Bay Ramsar, Morecambe Bay SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Morecambe Bay Ramsar, Morecambe Bay SPA, Bowland Fells SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

······································	ls Euro. site		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
(present within the Licence Block or within	within block?									
10km)		l It é	activity is withi	n European s	site?	lt a	ctivity is outsi	de European :	site?	
		Store A	Store P	Store C	Stage D	Store A	Store P	Store C	Stage D	
		Stage A	Stage B	Stage C	Slage D	Stage A	Stage B	Stage C	Slage D	
Morecambe Bay Ramsar	Yes	•		•				•	•	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	ies	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Criterion 5 - regularly supports 20,000 or more waterbirds	3	No	No	No	No	Yes	Yes	Yes		licence' section (above) should be noted.

Designated Sites and Interest Features	Is Euro. site		Can	Stage A, B, C	cor D activiti	es be carried	l out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	activity is with	in European :	site?	lf a	activity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	-
Morecambe Bay SPA	Yes	1	<u>I</u>	1		<u> </u>	<u>I</u>	1	1	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so the
Northern pintail (Anas acuta)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities
Seabird assemblage		No	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Waterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
Red knot (Calidris canutus)		No	No	No	No	Yes	Yes	Yes	Yes	 - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Sandwich tern (Sterna sandvicensis)		No	No	No	No	Yes	Yes	Yes	Yes	
Ruddy turnstone (Arenaria interpres)		No	No	No	No	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		No	No	No	No	Yes	Yes	Yes	Yes	
Eurasian curlew (Numenius arquata)		No	No	No	No	Yes	Yes	Yes	Yes	
Pink-footed goose (Anser brachyrhynchus)		No	No	No	No	Yes	Yes	Yes	Yes	
Dunlin (Calidris alpina schinzii)		No	No	No	No	Yes	Yes	Yes	Yes	
Grey plover (Pluvialis squatarola)		No	No	No	No	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		No	No	No	No	Yes	Yes	Yes	Yes	
Eurasian oystercatcher (Haematopus ostralegus)		No	No	No	No	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		No	No	No	No	Yes	Yes	Yes	Yes	
Bar-tailed godwit (Limosa lapponica)		No	No	No	No	Yes	Yes	Yes	Yes	
Bowland Fells SPA	No					100	100	100		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Lesser black-backed gull (Larus fuscus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Merlin (Falco columbarius)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Hen harrier (Circus cyaneus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
		100	174	174	11/0	100	100	100	100	
Morecambe Bay SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Sandbanks which are slightly covered by sea water all		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities
the time										or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI
Estuaries		Yes	No	No	No	Yes	Yes	Yes	Yes	see 'Conditions proposed for the licence' (above).
Mudflats and sandflats not covered by seawater at low tide		Yes	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Coastal lagoons		Yes	No	No	No	Yes	Yes	Yes	Yes	
Large shallow inlets and bays		Yes	No	No	No	Yes	Yes	Yes	Yes	
Reefs		Yes	No	No	No	Yes	Yes	Yes	Yes	
Perennial vegetation of stony banks		Yes	No	No	No	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and sand		Yes	No	No	No	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae))	Yes	No	No	No	Yes	Yes	Yes	Yes	
Embryonic shifting dunes		Yes	No	No	No	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	
Atlantic decalcified fixed dunes (Calluno-Ulicetea)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Dunes with Salix repens ssp. argentea (Salicion arenariae)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Humid dune slacks		Yes	No	No	No	Yes	Yes	Yes	Yes	
Great crested newt (Triturus cristatus)		Yes	No	No	No	Yes	Yes	Yes	Yes	

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can	Stage A, B, (C or D activitie	es be carried	out without	AEOI?		Notes
10km)		lf a	activity is with	in European	site?	lf a	ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Calf Hill and Cragg Woods SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Old sessile oak woods with Ilex and Blechnum in the British Isles		n/a	n/a	n/a	n/a	Yes	Yes	Yes	res	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
excelsior (Alno-Padion, Alnion incanae, Salicion albae)										

Licence block: SD50

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Martin Mere Ramsar, Martin Mere SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are Martin Mere Ramsar, Martin Mere SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
10km)	Within Diock?	lf é	activity is with	n European s	site?	lf a	ctivity is outsi	de European :	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Martin Mere Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 5 - regularly supports 20,000 or more waterbirds	S	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Martin Mere SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Tundra swan (Cygnus columbianus bewickii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Whooper swan (Cygnus cygnus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian wigeon (Anas penelope)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Pink-footed goose (Anser brachyrhynchus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern pintail (Anas acuta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Manchester Mosses SAC Degraded raised bogs still capable of natural regeneration	Νο	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Licence block: SD55

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Morecambe Bay Ramsar, Morecambe Bay SPA, Bowland Fells SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Morecambe Bay Ramsar, Morecambe Bay SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Morecambe Bay Ramsar, Morecambe Bay SPA, Bowland Fells SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?					es be carried				Notes
10km)		lfa	nctivity is withi	n European s	site?	lf a	ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Morecambe Bay Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 5 - regularly supports 20,000 or more waterbirds	3	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Designated Sites and Interest Features	ls Euro. site		Can	Stage A, B, C	or D activiti	es be carried	l out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	activity is with	in European s	site?	lf a	ctivity is outsi	de European	site?	-
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	-
Morecambe Bay SPA	No	1	1	<u> </u>	1	1		<u>I</u>	1	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Northern pintail (Anas acuta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Seabird assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Red knot (Calidris canutus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sandwich tern (Sterna sandvicensis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ruddy turnstone (Arenaria interpres)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian curlew (Numenius arquata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Pink-footed goose (Anser brachyrhynchus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey plover (Pluvialis squatarola)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian oystercatcher (Haematopus ostralegus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bar-tailed godwit (Limosa lapponica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bowland Fells SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Lesser black-backed gull (Larus fuscus)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities '
Merlin (Falco columbarius)		No	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted:
Hen harrier (Circus cyaneus)		No	No	No	No	Yes	Yes	Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
			110	110	110	100	100	100	100	 for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Morecambe Bay SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Sandbanks which are slightly covered by sea water all he time		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Estuaries		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Mudflats and sandflats not covered by seawater at low tide		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Coastal lagoons		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Large shallow inlets and bays		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Reefs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Perennial vegetation of stony banks		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and sand		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae	9)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Embryonic shifting dunes		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic decalcified fixed dunes (Calluno-Ulicetea)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunes with Salix repens ssp. argentea (Salicion arenariae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Humid dune slacks		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Great crested newt (Triturus cristatus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
North Pennine Dales Meadows SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Nolinia meadows on calcareous, peaty or clayey-silt- aden soils (Molinion caeruleae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Nountain hay meadows		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
10km)		If activity is within European site?			If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Calf Hill and Cragg Woods SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Old sessile oak woods with Ilex and Blechnum in the British Isles		n/a	n/a	n/a	n/a	Yes	Yes	Yes	res	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Rolovant Europoun oltoo										-
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?							Notes		
10km)	within block?	lf é	activity is withi	in European s	site?	lf a	ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Manchester Mosses SAC	No			-		·				This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Degraded raised bogs still capable of natural regeneration		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Tes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Rixton Clay Pits SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Great crested newt (Triturus cristatus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	tes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Licence block: SD61										
Granting of Licence Proposed?: Ye	es									
Condtions proposed for the										
Advice proposed for the licence										
Assessment of Effects on Relevan	t Europ	ean Sit	tes							
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site		Can Stag	е А, В, Со	or D activitie	es be carrie	ed out with	out AEOI?	•	Notes
	within	If act	tivity is with	in Europea	n site?	lf acti	ivity is outsi	de Europea	in site?	1
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
						none				

Licence block: SD62										
Granting of Licence Proposed?: Ye	es									
Condtions proposed for the										
Advice proposed for the licence										
Assessment of Effects on Relevan	t Europ	ean Sit	tes							
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site		Can Stag	е А, В, С о	or D activitie	es be carrie	ed out with	out AEOI?	•	Notes
	within	If act	tivity is with	in Europea	n site?	lf acti	ivity is outsi	de Europea	n site?	1
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
						none				

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Bowland Fells SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are Bowland Fells SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Relevant European Sites Designated Sites and Interest Features ls Euro, site Can Stage A, B, C or D activities be carried out without AEOI? Notes (present within the Licence Block or within within block? If activity is outside European site? If activity is within European site? 10km) Stage A Stage B Stage C Stage D Stage A Stage B Stage C Stage D Bowland Fells SPA No This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in Lesser black-backed gull (Larus fuscus) n/a n/a n/a n/a Yes Yes Yes Yes AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section Merlin (Falco columbarius) n/a n/a n/a n/a Yes Yes Yes Yes (above) should be noted. Hen harrier (Circus cyaneus) n/a Yes Yes n/a n/a n/a Yes Yes

Granting of licence proposed?: Yes

Conditions proposed for the licence	litions proposed for the lic	ence
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No conditions proposed.

Advice proposed with the licence

The following advice is given:

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
10km)		lf á	activity is withi	in European s	site?	lf a	ctivity is outsi	de European :	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Manchester Mosses SAC Degraded raised bogs still capable of natural regeneration	Νο	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Rixton Clay Pits SAC Great crested newt (Triturus cristatus)	Νο	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Rochdale Canal SAC Floating water-plantain (Luronium natans)	Νο	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Licence block: SD71										
Granting of licence proposed?	?: Yes									
Conditions proposed for the li	cence									
No conditions proposed.										
No contantons proposed.										
Advice proposed with the lice	nce									
The following advice is given:										
 More detailed information relating to designated 	sites taken into a	ccount in this a	assessment o	can be viewe	d by accessin	g the followir	ng link: http://ji	ncc.defra.gov	.uk/page-4	
- The location of the block and the relevant Europ					en die E					
Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site		Can S	tage A, B, C	or D activiti	es be carried	d out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf ac	ctivity is withir	n European s	site?	lf a	activity is outs	de European	site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	-
Rochdale Canal SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Floating water-plantain (Luronium natans)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are South Pennine Moors Phase 2 SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are South Pennine Moors Phase 2 SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
10km)		lf a	activity is withi	in European s	site?	lf a	ctivity is outsid	de European :	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
South Pennine Moors Phase 2 SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Breeding bird assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Short-eared owl (Asio flammeus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Merlin (Falco columbarius)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
South Pennine Moors SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Blanket bogs (priority feature if active bog)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Transition mires and quaking bogs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Old sessile oak woods with Ilex and Blechnum in the British Isles		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Bowland Fells SPA, South Pennine Moors Phase 2 SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are Bowland Fells SPA, South Pennine Moors Phase 2 SPA.

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- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can	Stage A, B, C	or D activiti	es be carried	l out without	AEOI?		Notes
10km)		lf a	activity is with	in European s	site?	lf a	ctivity is outs	tside European site?		1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Bowland Fells SPA	No	•	•	•			•	•	•	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
esser black-backed gull (Larus fuscus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Merlin (Falco columbarius)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Hen harrier (Circus cyaneus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
South Pennine Moors Phase 2 SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Breeding bird assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Short-eared owl (Asio flammeus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Merlin (Falco columbarius)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
South Pennine Moors SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Blanket bogs (priority feature if active bog)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Transition mires and quaking bogs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Old sessile oak woods with Ilex and Blechnum in the British Isles		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are South Pennine Moors Phase 2 SPA.

Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are South Pennine Moors Phase 2 SPA.

More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can	Stage A, B, C	or D activitie	es be carried	l out without	AEOI?		Notes
10km)		If activity is within European site?				lf a	ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
South Pennine Moors Phase 2 SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Breeding bird assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Short-eared owl (Asio flammeus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Merlin (Falco columbarius)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Rochdale Canal SAC Floating water-plantain (Luronium natans)	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI –

see 'Conditions proposed for the licence' (above).

- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.

Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
10km)		lf a	activity is withi	n European s	ite?	lf a	ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
South Pennine Moors SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Blanket bogs (priority feature if active bog)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Transition mires and quaking bogs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Old sessile oak woods with Ilex and Blechnum in the British Isles		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: South Pennine Moors Phase 2 SPA.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are South Pennine Moors Phase 2 SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are South Pennine Moors Phase 2 SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on Relevant European Sites

ls Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
	lf a	activity is withi	n European s	ite?	lf a	ctivity is outsi	de European	site?	
	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
	No	No	No	No	Yes	Yes	Yes		effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
	No	No	No	No	Yes	Yes	Yes		- Stage A, B, C and D activities within the European site boundary are considered likely to result in
	No	No	No	No	Yes	Yes	Yes		AEOI – see 'Conditions proposed for the licence' (above).
	No	No	No	No	Yes	Yes	Yes		 - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
	within block? Yes	within block?	within block? If activity is within Stage A Stage B Yes No No No No No No	within block? If activity is within European s Stage A Stage B Stage C Yes No No No No No No No No No No No No No No No No No No No	within block? If activity is within European site? Stage A Stage B Stage C Stage D Yes No No <th< td=""><td>within block? If activity is within European site? If a Stage A Stage B Stage C Stage D Stage A Yes No No No Yes No No No Yes No No No Yes No No No Yes No No No Yes</td><td>within block? If activity is within European site? If activity is outsite Stage A Stage B Stage C Stage D Stage A Stage B Yes No No No No Yes Yes</td><td>within block? If activity is within European site? If activity is outside European Stage A Stage B Stage C Stage D Stage A Stage B Stage C Yes No No No No Yes Yes Yes No No No No No Yes Yes Yes Yes No No No No No Yes Yes Yes Yes No No No No No Yes Yes Yes No No No No Yes Yes Yes Yes</td><td>within block? If activity is within European site? If activity is outside European site? Stage A Stage B Stage C Stage D Stage A Stage C Stage D Yes No No No No Yes Yes</td></th<>	within block? If activity is within European site? If a Stage A Stage B Stage C Stage D Stage A Yes No No No Yes No No No Yes No No No Yes No No No Yes No No No Yes	within block? If activity is within European site? If activity is outsite Stage A Stage B Stage C Stage D Stage A Stage B Yes No No No No Yes Yes	within block? If activity is within European site? If activity is outside European Stage A Stage B Stage C Stage D Stage A Stage B Stage C Yes No No No No Yes Yes Yes No No No No No Yes Yes Yes Yes No No No No No Yes Yes Yes Yes No No No No No Yes Yes Yes No No No No Yes Yes Yes Yes	within block? If activity is within European site? If activity is outside European site? Stage A Stage B Stage C Stage D Stage A Stage C Stage D Yes No No No No Yes Yes

Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
10km)		lf a	ctivity is with	n European s	site?	lf a	ctivity is outsi	de European	site?]
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
South Pennine Moors SAC	Yes	•		•					•	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Northern Atlantic wet heaths with Erica tetralix		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities or near the surface', the following should be noted:
European dry heaths		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AEOI
Blanket bogs (priority feature if active bog)		Yes	No	No	No	Yes	Yes	Yes	Yes	see 'Conditions proposed for the licence' (above).
Transition mires and quaking bogs		Yes	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Old sessile oak woods with Ilex and Blechnum in the British Isles		Yes	No	No	No	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can	Stage A, B, C	or D activiti	es be carried	l out without	AEOI?		Notes
10km)		lf a	activity is with	in European s	site?	lf a	ctivity is outsi	de European	site?	7
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Peak District Moors (South Pennine Moors Phase 1) SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Eurasian curlew (Numenius arquata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Short-eared owl (Asio flammeus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Merlin (Falco columbarius)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Denby Grange Colliery Ponds SAC Great crested newt (Triturus cristatus)	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
South Pennine Moors SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Blanket bogs (priority feature if active bog)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Transition mires and quaking bogs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Old sessile oak woods with llex and Blechnum in the British Isles		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Stranting of licence proposed?: Yes Conditions proposed for the licence to conditions proposed. Advice proposed with the licence Advice proposed with the licence the following advice is given: More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4 The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E. Assessment of Effects on Relevant European Sites Relevant European Sites resignated Sites and Internet Features or within block? Is Euro, site Machine I features in the Licence Block or within block? Is Euro, site? Machine I features in the Licence Block or within block? Is age A Stage B Stage C Stage A Stage B In grade Collery Pond SAC Notes											
Conditions proposed for the licence io conditions proposed is the licence io conditions proposed with the licence Addvice proposed with the licence he following advice is given: More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4 The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E. Assessment of Effects on Relevant European Sites resignated Sites and Internet Features within block? If activity is within European site?	Licence block: SE31c										
lo conditions proposed. Advice proposed with the licence he following advice is given: More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4 The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E. Assessment of Effects on Relevant European Sites resignated Sites and Interest Features f a convirt in the European site? If activity is within European site? If activity is outside and on the part of a contrapy Stage A, B, C and D activities If activity is outside European site? If activity is eartific and european site and the floce do not register at strappare ato consi	Granting of licence proposed?	?: Yes									
lo conditions proposed. Advice proposed with the licence he following advice is given: More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4 The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E. Assessment of Effects on Relevant European Sites resignated Sites and Interest Features f a convirt in the European site? If activity is within European site? If activity is outside and on the part of a contrapy Stage A, B, C and D activities If activity is outside European site? If activity is eartific and european site and the floce do not register at strappare ato consi											
Advice proposed with the licence he following advice is given: More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4 The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E. Assessment of Effects on Relevant European Sites Paraginated Sites and Interset Features If activity is within European site? Relevant European site? The site is outside the licence block, over thm from the block boundary. Stage A, B, C and D activitie reat orested ment (Titruus cristatus) No Na Na Na Na Na Na Na Na Na	Conditions proposed for the li	cence									
he following advice is given: More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4 The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E. Assessment of Effects on Relevant European Sites Beignated Sites and Interest Features present within the Licence Block or within 0km) If activity is within European site? Stage A Stage B Stage C Stage D Stage A Stage B Stage C Stage D This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitience eratores of an the surface, the 'Advec proposed with the licence's store on the surface, the 'Advec proposed with the licence's extend newt (Tritunus cristatus)	No conditions proposed.										
More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4 The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E. Assessment of Effects on Relevant European Sites Person and Interest Features I survey of the clock or within block for the clock or the	Advice proposed with the lice	nce									
The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E. Assessment of Effects on Relevant European Sites Persignated Sites and Interest Features reserver within the Licence Block or within 0km) If activity is within European site? If activity is within European site? Stage A Stage B Stage C Stage A Stage C Stage A If activity is within European site? This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities and inderest features enby Grange Colliery Ponds SAC No reat crested newt (Triturus cristatus) n/a n/a n/a Yes Yes Yes Yes	The following advice is given:										
Assessment of Effects on Relevant European Sites lesignated Sites and Interest Features freatures freatures oresent within block? If activity is within European site? Notes enby Grange Colliery Ponds SAC read crested newt (Triturus cristatus) No If activity is within European site? If activity is outside European site? Notes enby Grange Colliery Ponds SAC read crested newt (Triturus cristatus) No No This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities are newn to make an under the wide with the licence block, over 1km from the block boundary. Stage A, B, C and D activities are newn to make an under the wide with the licence block, over 1km from the block boundary. Stage A, B, C and D activities are newn to make an under the wide with the licence block, over 1km from the block boundary. Stage A, B, C and D activities are newn to make an under the wide with the licence block, over 1km from the block boundary. Stage A, B, C and D activities are newn to considered likely to result in Activity the grant to activities at on ner the surface. It with the order with the licence withe the licence with the licence with the licence with the licence w	 More detailed information relating to designated 	sites taken into a	ccount in this	assessment	can be viewe	d by accessin	ng the followin	ig link: http://ji	ncc.defra.gov.	uk/page-4	
Relevant European Sites Designated Sites and Interest Features present within the Licence Block or within 0km) Is Euro. site within block? Can Stage A, B, C or D activities be carried out without AEO!? Notes If activity is within European site? If activity is outside European site? Notes enby Grange Colliery Ponds SAC reat crested newt (Trifurus cristatus) No No n/a n/a n/a n/a Yes Yes Yes Yes Yes Yes Ves Yes	- The location of the block and the relevant Europ	bean sites are illus	trated on the	correspondin	g map in App	endix E.					
Relevant European Sites Designated Sites and Interest Features present within the Licence Block or within 0km) Is Euro. site within block? Can Stage A, B, C or D activities be carried out without AEO!? Notes If activity is within European site? If activity is outside European site? Notes enby Grange Colliery Ponds SAC reat crested newt (Trifurus cristatus) No No n/a n/a n/a n/a Yes Yes Yes Yes Yes Yes Ves Yes											
Designated Sites and Interest Features present within the Licence Block or within 0km) Is Euro. site within block? Can Stage A, B, C or D activities be carried out without AEOI? Notes 0km) If activity is within European site? If activity is outside European site? Notes 0km) Stage A Stage B Stage C Stage A Stage B Stage A Stage B Stage C Stage B Stage A Stage B Stage A Stage B Stage A Stage B Stage C Stage A Stage B Stage B Stage C Stage A Stage B Stage A Stage B Stage C Stage D Stage B Stage B Stage C Stage D Stage B Stage B Stage C Stage D Stage B Stage B Stage C Stage D This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section	Assessment of Effects on										
within block? If activity is within European site? If activity is outside European site? Okm) If activity is within European site? If activity is outside European site? If activity of southing European site? If activity is outside European site? If activity of southing European site? If activity is outside European site? If activity of southing European site? If activity is outside European site? If activity of southing European site? If activity is outside European site? If activity of southing European site? If activity is outside European site? If activity of southing European site? If activity is outside European site? If activity of southing European site? If activity is outside European site? If activity is within European site? If activity is outside European site? If activity is within European site? If activity is outside European site? If activity is within European site? If activity is outside European site? If activity is within European site? If activity is outside European site? If activity is within European site? If activity is outside European site? If activity is within European site? If activity is outside European site? If activity is within European site? If activity is outside European site? <td>Relevant European Sites</td> <td></td>	Relevant European Sites										
Okm) If activity is within European site? If activity is outside European site? If activity is within European site? Stage A Stage B Stage C Stage A Stage B Stage C Stage A Stage A Stage B Stage A Stage A Stage B Stage B Stage A Stage B Stage B Stage C Stage A Stage B Stage C Stage C Stage C Stage D Stage A Stage B Stage C Stage D Stage A Stage B Stage C Stage D Stage A Stage B Stage C Stage D Stage D Stage A Stage A Stage B Stage C Stage D Stage A Stage B Stage C Stage D Stage D Stage A St				Can S	Stage A, B, C	or D activitie	es be carried	l out without	AEOI?		Notes
enby Grange Colliery Ponds SAC No reat crested newt (Triturus cristatus) n/a n/a n/a n/a N/a Yes Yes Yes Yes Yes Yes Yes Yes AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section	10km)	WIGHT DIOCK?	lf a	activity is with	in European s	site?	lf a	ctivity is outs	de European	site?	
reat crested newt (Triturus cristatus) n/a n/a n/a n/a Yes Yes Yes Yes Yes undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section			Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
	Denby Grange Colliery Ponds SAC Great crested newt (Triturus cristatus)	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes		undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section

Licence block: SE32b										
Granting of licence proposed?	: Yes									
Conditions proposed for the li	cence									
No conditions proposed.										
Advice proposed with the licer	ıce									
The following advice is given:										
- More detailed information relating to designated	sites taken into a	ccount in this	assessment c	an be viewe	d by accessin	g the followin	ng link: http://jr	ncc.defra.gov.	uk/page-4	
- The location of the block and the relevant Europ Assessment of Effects on	ean sites are illus	trated on the	corresponding	ı map in Appe	endix E.					
Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?			-			d out without			Notes
10km)		Stage A	ctivity is withir	Stage C	Stage D	Stage A	activity is outsi	Stage C	Site?	
Denby Grange Colliery Ponds SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Great crested newt (Triturus cristatus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Licence block: SE40f										
Granting of Licence Proposed?: Ye	es									
Condtions proposed for the										
Advice proposed for the licence										
Assessment of Effects on Relevan	t Europ	ean Sit	tes							
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site		Can Stag	е А, В, С о	or D activitie	es be carrie	ed out with	out AEOI?	•	Notes
	within	If act	tivity is with	in Europea	n site?	lf acti	vity is outsi	de Europea	in site?	1
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
						none				

Licence block: SE41e										
Granting of Licence Proposed?: Ye	es									
Condtions proposed for the										
Advice proposed for the licence										
Assessment of Effects on Relevan	t Europ	ean Sit	tes							
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site		Can Stag	е А, В, С о	or D activitie	es be carrie	ed out with	out AEOI?	,	Notes
	within	If act	tivity is with	in Europea	n site?	lf acti	ivity is outsi	de Europea	n site?	
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
						none				

Licence block: SE42e										
Granting of Licence Proposed?: Ye	es									
Condtions proposed for the										
Advice proposed for the licence										
Assessment of Effects on Relevan	t Europ	ean Sit	es							
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site		Can Stag	е А, В, С о	or D activitie	es be carrie	ed out with	out AEOI?)	Notes
	within	If act	tivity is with	in Europea	n site?	lf acti	vity is outsi	de Europea	in site?	
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
						none				

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Thorne and Hatfield Moors SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are Thorne and Hatfield Moors SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on **Relevant European Sites** Designated Sites and Interest Features Is Euro. site Can Stage A. B. C or D activities be carried out without AEOI? Notes present within the Licence Block or within within block? If activity is outside European site? If activity is within European site? 10km) Stage A Stage B Stage C Stage D Stage A Stage B Stage C Stage D Thorne and Hatfield Moors SPA This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities No undertaken at depth (so that effects do not register at surface) are not considered likely to result in European nightjar (Caprimulgus europaeus) n/a n/a n/a n/a Yes Yes Yes Yes AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted. Hatfield Moor SAC No This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in Degraded raised bogs still capable of natural Yes n/a n/a n/a n/a Yes Yes Yes AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section egeneration (above) should be noted.

G

franting of licence proposed?	': Yes									
conditions proposed for the lie	cence									
o conditions proposed.										
dvice proposed with the licer	nce									
ne following advice is given:										
More detailed information relating to designated	sites taken into a	ccount in this	assessment	can be viewe	d by accessin	ng the following	g link: http://jr	ncc.defra.gov.u	uk/page-4	
The location of the block and the relevant Europ	ean sites are illus	trated on the	corresponding	o map in App	endix E.					
				5 ···· P ··· · P P						
ssessment of Effects on										
Relevant European Sites										
esignated Sites and Interest Features	ls Euro. site		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
resent within the Licence Block or within 0km)	within block?	lf a	ctivity is withi	n European s	site?	lf ac	ctivity is outsi	ide European :	site?	-
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	•
orne Moor SAC	No		-		-					This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
graded raised bogs still capable of natural		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
generation										(above) should be noted.

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are River Derwent SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Rolovant Europoun oltoo										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	l out without	AEOI?		Notes
10km)		If activity is within European site? If activity is outside European site?								
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
River Derwent SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	ies	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bullhead (Cottus gobio)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Skipwith Common SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes		undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes		(above) should be noted.

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are North York Moors SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are North York Moors SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
10km)		lf a	If activity is within European site? If activity is outside European site?							
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
North York Moors SPA	No	•	•	•		•	•	•		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Merlin (Falco columbarius)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
North York Moors SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Blanket bogs (priority feature if active bog)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Strensall Common SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Humber Estuary Ramsar, Thorne and Hatfield Moors SPA, Humber Estuary SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Humber Estuary Ramsar, Humber Estuary SAC.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are Humber Estuary Ramsar, Thorne and Hatfield Moors SPA, Humber Estuary SPA, Humber Estuary SAC, River Derwent SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Relevan	t Euror	bean Sites
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Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	l out without	Notes		
10km)		lf a	If activity is within European site?				ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Humber Estuary Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 5 - regularly supports 20,000 or more waterbirds	3	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Tes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Criterion 1 - sites containing representative, rare or unique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Designated Sites and Interest Features	Is Euro. site	Is Euro. site Can Stage A, B, C or D activities be carried out without AEOI? Notes								Notes
(present within the Licence Block or within	within block?									
10km)		lf	activity is with	nin European s	site?	lf	activity is outs	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Thorne and Hatfield Moors SPA	No									This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and
European nightjar (Caprimulgus europaeus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Humber Estuary SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Great bittern (Botaurus stellaris)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Great bittern (Botaurus stellaris)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Greater scaup (Aythya marila)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Mallard (Anas platyrhynchos)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey plover (Pluvialis squatarola)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern lapwing (Vanellus vanellus)			n/a			Yes	Yes	Yes	Yes	
		n/a		n/a	n/a					
Red knot (Calidris canutus)		n/a	n/a	n/a	n/a n/a	Yes	Yes	Yes	Yes	
Red knot (Calidris canutus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sanderling (Calidris alba)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sanderling (Calidris alba)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ruff (Philomachus pugnax)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey plover (Pluvialis squatarola)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Black-tailed godwit (Limosa limosa islandica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Black-tailed godwit (Limosa limosa islandica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bar-tailed godwit (Limosa lapponica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Whimbrel (Numenius phaeopus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian curlew (Numenius arquata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common greenshank (Tringa nebularia)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ruddy turnstone (Arenaria interpres)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Little tern (Sterna albifrons)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Light-bellied brent goose (Branta bernicla hrota)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian marsh harrier (Circus aeruginosus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common goldeneye (Bucephala clangula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian oystercatcher (Haematopus ostralegus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Pied avocet (Recurvirostra avosetta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian wigeon (Anas penelope)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian teal (Anas crecca)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common pochard (Aythya ferina)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Pied avocet (Recurvirostra avosetta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Hen harrier (Circus cyaneus)		n/a	1// 4	1// Cl	1/0	Yes	Yes	103	Yes	

Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf á	activity is with	in European s	site?	lf a	ctivity is outsi	de European	site?	-
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Thorne Moor SAC	No	1	1	1				1	1	This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D
Degraded raised bogs still capable of natural regeneration		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Hatfield Moor SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Degraded raised bogs still capable of natural regeneration		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Humber Estuary SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Sandbanks which are slightly covered by sea water all the time		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Estuaries		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Mudflats and sandflats not covered by seawater at low tide		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Coastal lagoons		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and sand		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Embryonic shifting dunes		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunes with Hippopha rhamnoides		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey seal (Halichoerus grypus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River Derwent SAC Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bullhead (Cottus gobio)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Lower Derwent Valley Ramsar, River Derwent SAC.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley SAC, River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA, River Derwent SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Relevant European Sites										
······································	Is Euro. site within block?		Can	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
10km)		lf a	activity is with	ivity is within European site?			ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Lower Derwent Valley Ramsar	Yes	•						•		This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	4	Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	ALCI - see containing proposed to the licence (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		Yes	No	No	No	Yes	Yes	Yes	Yes	
Criterion 5 - regularly supports 20,000 or more waterbirds	5	No	No	No	No	Yes	Yes	Yes	Yes	
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	

Relevant European Sites Designated Sites and Interest Features	Is Euro. site		Can	Stage A, B, C	or D activiti	es be carried	l out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	activity is with	in European s	site?	lf a	ctivity is outs	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Lower Derwent Valley SPA	No		•		•		•	•	• •	This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D
Ruff (Philomachus pugnax)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence'
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	section (above) should be noted.
Tundra swan (Cygnus columbianus bewickii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian wigeon (Anas penelope)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian teal (Anas crecca)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern shoveler (Anas clypeata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Lower Derwent Valley SAC	No									This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and E
Lowland hay meadows (Alopecurus pratensis, Sanguisorba officinalis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence section (above) should be noted.
Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River Derwent SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so th
Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
Sea lamprey (Petromyzon marinus)		No	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the
River lamprey (Lampetra fluviatilis)		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Bullhead (Cottus gobio)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Strensall Common SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so the
Northern Atlantic wet heaths with Erica tetralix		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities or near the surface', the following should be noted:
European dry heaths		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in Al see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Lower Derwent Valley Ramsar.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley SAC, River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA, River Derwent SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on										
Relevant European Sites										
··· J ···· · · · · · · · · · · · · · · · ·	Is Euro. site		Can	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	ctivity is with	in European s	ite?	lf a	ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Lower Derwent Valley Ramsar	Yes			•						This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 2 - supports vulnerable, endangered, or critically	,	Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
endangered species or threatened eco. communities										 Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	 for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		Yes	No	No	No	Yes	Yes	Yes	Yes	
Criterion 5 - regularly supports 20,000 or more waterbirds	;	No	No	No	No	Yes	Yes	Yes	Yes	
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	

Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can	Stage A, B, C	c or D activiti	es be carried	l out without	AEOI?		Notes
10km)	WIGHT DIOCK?	lf -	activity is with	in European :	site?	lf e	ctivity is outs	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Lower Derwent Valley SPA	No					<u>.</u>			<u> </u>	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D acti
Ruff (Philomachus pugnax)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Naterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Fundra swan (Cygnus columbianus bewickii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian wigeon (Anas penelope)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian teal (Anas crecca)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern shoveler (Anas clypeata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ower Derwent Valley SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activ
owland hay meadows (Alopecurus pratensis, Sanguisorba officinalis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' sec (above) should be noted.
Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River Derwent SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activ
Nater courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion regetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' sectio (above) should be noted.
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bullhead (Cottus gobio)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Strensall Common SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so effects do not register at surface) are not considered likely to result in AEOI. With regard to activit or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in A see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
lorthern Atlantic wet heaths with Erica tetralix		Yes	No	No	No	Yes	Yes	Yes	Yes	
European dry heaths		Yes	No	No	No	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are North York Moors SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are North York Moors SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
10km)		lf é	activity is withi	n European s	ite?	lf a	ctivity is outsi	ide European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
North York Moors SPA	No	•		•	•		•		•	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Merlin (Falco columbarius)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
North York Moors SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Blanket bogs (priority feature if active bog)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Strensall Common SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are North York Moors SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are North York Moors SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Relevant European Sites Designated Sites and Interest Features Is Euro, site Can Stage A, B, C or D activities be carried out without AEOI? Notes (present within the Licence Block or within within block? If activity is within European site? If activity is outside European site? 10km) Stage A Stage B Stage C Stage D Stage A Stage B Stage C Stage D North York Moors SPA No This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to Merlin (Falco columbarius) n/a n/a n/a n/a Yes Yes Yes Yes result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' European golden plover (Pluvialis apricaria) n/a n/a n/a Yes Yes n/a Yes Yes section (above) should be noted. North York Moors SAC No This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to Northern Atlantic wet heaths with Erica tetralix n/a n/a Yes Yes Yes Yes n/a n/a result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' Yes European dry heaths n/a n/a n/a n/a Yes Yes Yes section (above) should be noted. Blanket bogs (priority feature if active bog) n/a n/a n/a n/a Yes Yes Yes Yes

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: North York Moors SPA.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are North York Moors SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are North York Moors SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Rolovant Europoun oltoo										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
10km)		lf e	activity is withi	in European s	site?	lf a	ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
North York Moors SPA	Yes	•	•	•				•	•	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Merlin (Falco columbarius)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a or near the surface', the following should be noted:
European golden plover (Pluvialis apricaria)		No	No	No	No	Yes	Yes	Yes	Yes	or near the surface, the following should be noted: Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the icence' section (above) should be noted.
Arnecliff and Park Hole Woods SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Old sessile oak woods with Ilex and Blechnum in the British Isles		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (cherue) obside the activities at or near the surface.
Killarney fern (Trichomanes speciosum)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.

Designated Sites and Interest Features present within the Licence Block or within	Is Euro. site within block?			• • •			d out without			Notes
10km)		lf é	activity is with	in European s	site?	lf é	activity is outsi	le European :	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
lorth York Moors SAC	Yes		•	•					•	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so t
Northern Atlantic wet heaths with Erica tetralix		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activitie or near the surface', the following should be noted:
European dry heaths		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AE
Blanket bogs (priority feature if active bog)		Yes	No	No	No	Yes	Yes	Yes	Yes	see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Humber Estuary Ramsar, Lower Derwent Valley Ramsar, Thorne and Hatfield Moors SPA, Lower Derwent Valley SPA, Humber Estuary SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Humber Estuary Ramsar, Humber Estuary SAC.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley SAC, River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Humber Estuary Ramsar, Lower Derwent Valley Ramsar, Thorne and Hatfield Moors SPA, Lower Derwent Valley SPA, Humber Estuary SPA, Humber Estuary SAC, River Derwent SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on										
Relevant European Sites										
- J	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
10km)	WIGHT DIOCK?	lf a	ctivity is with	in European s	site?	lf a	ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Humber Estuary Ramsar	Yes			•			•			This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 5 - regularly supports 20,000 or more waterbirds		No	No	No	No	Yes	Yes	Yes	Tes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity		Yes	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path		Yes	No	No	No	Yes	Yes	Yes	Yes	

Assessment of Effects on										
	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
10km)	WIGHT DIOCK?	lf a	ctivity is withi	n European s	site?	lf a	ctivity is outsi	de European	site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Lower Derwent Valley Ramsar	Yes			•						This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see Containing proposed for the incence (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		Yes	No	No	No	Yes	Yes	Yes	Yes	
Criterion 5 - regularly supports 20,000 or more waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	
Thorne and Hatfield Moors SPA	No									This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D
European nightjar (Caprimulgus europaeus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Lower Derwent Valley SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Ruff (Philomachus pugnax)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Tundra swan (Cygnus columbianus bewickii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian wigeon (Anas penelope)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian teal (Anas crecca)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern shoveler (Anas clypeata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Designated Sites and Interest Features	Is Euro. site		Can	Stage A, B, C	or D activiti	es be carried	l out without	AEOI?		Notes
present within the Licence Block or within 0km)	within block?	lf é	activity is with	in European s	site?	lf a	activity is outsi	de European	site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
umber Estuary SPA	Yes							1		This site is present within the licence block. Stage A, B, C and D activities undertaken at de
reat bittern (Botaurus stellaris)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to
ireat bittern (Botaurus stellaris)		No	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to r
ireater scaup (Aythya marila)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
allard (Anas platyrhynchos)		No	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed w
irey plover (Pluvialis squatarola)		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
orthern lapwing (Vanellus vanellus)		No	No	No	No	Yes	Yes	Yes	Yes	
ed knot (Calidris canutus)		No	No	No	No	Yes	Yes	Yes	Yes	
ed knot (Calidris canutus)		No	No	No	No	Yes	Yes	Yes	Yes	
anderling (Calidris alba)		No	No	No	No	Yes	Yes	Yes	Yes	
anderling (Calidris alba)		No	No	No	No	Yes	Yes	Yes	Yes	
unlin (Calidris alpina schinzii)		No	No	No	No	Yes	Yes	Yes	Yes	
				No					Yes	
unlin (Calidris alpina schinzii)		No No	No	NO	No	Yes Yes	Yes	Yes Yes		
uff (Philomachus pugnax)			No		No		Yes		Yes	
rey plover (Pluvialis squatarola)		No	No	No	No	Yes	Yes	Yes	Yes	
/aterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	
ack-tailed godwit (Limosa limosa islandica)		No	No	No	No	Yes	Yes	Yes	Yes	
ack-tailed godwit (Limosa limosa islandica)		No	No	No	No	Yes	Yes	Yes	Yes	
ar-tailed godwit (Limosa lapponica)		No	No	No	No	Yes	Yes	Yes	Yes	
/himbrel (Numenius phaeopus)		No	No	No	No	Yes	Yes	Yes	Yes	
urasian curlew (Numenius arquata)		No	No	No	No	Yes	Yes	Yes	Yes	
ommon redshank (Tringa totanus)		No	No	No	No	Yes	Yes	Yes	Yes	
ommon redshank (Tringa totanus)		No	No	No	No	Yes	Yes	Yes	Yes	
ommon greenshank (Tringa nebularia)		No	No	No	No	Yes	Yes	Yes	Yes	
uddy turnstone (Arenaria interpres)		No	No	No	No	Yes	Yes	Yes	Yes	
ittle tern (Sterna albifrons)		No	No	No	No	Yes	Yes	Yes	Yes	
ight-bellied brent goose (Branta bernicla hrota)		No	No	No	No	Yes	Yes	Yes	Yes	
ommon shelduck (Tadorna tadorna)		No	No	No	No	Yes	Yes	Yes	Yes	
uropean golden plover (Pluvialis apricaria)		No	No	No	No	Yes	Yes	Yes	Yes	
urasian marsh harrier (Circus aeruginosus)		No	No	No	No	Yes	Yes	Yes	Yes	
ommon goldeneye (Bucephala clangula)		No	No	No	No	Yes	Yes	Yes	Yes	
urasian oystercatcher (Haematopus ostralegus)		No	No	No	No	Yes	Yes	Yes	Yes	
ied avocet (Recurvirostra avosetta)		No	No	No	No	Yes	Yes	Yes	Yes	
urasian wigeon (Anas penelope)		No	No	No	No	Yes	Yes	Yes	Yes	
urasian teal (Anas crecca)		No	No	No	No	Yes	Yes	Yes	Yes	
ommon pochard (Aythya ferina)		No	No	No	No	Yes	Yes	Yes	Yes	
ied avocet (Recurvirostra avosetta)		No	No	No	No	Yes	Yes	Yes	Yes	
inged plover (Charadrius hiaticula)		No	No	No	No	Yes	Yes	Yes	Yes	
• • • •										
linged plover (Charadrius hiaticula) Ien harrier (Circus cyaneus)		No No	No No	No No	No No	Yes Yes	Yes Yes	Yes Yes	Yes Yes	

Designated Sites and Interest Features	Is Euro. site		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	ctivity is with	in European s	site?	lf a	ctivity is outsi	de European :	site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
ower Derwent Valley SAC	No	1		•	•	1		•	•	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activiti
Lowland hay meadows (Alopecurus pratensis, Sanguisorba officinalis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' sectior (above) should be noted.
Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Fhorne Moor SAC	No									This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and
Degraded raised bogs still capable of natural egeneration		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence section (above) should be noted.
Humber Estuary SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so t
Sandbanks which are slightly covered by sea water all he time		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activitie or near the surface', the following should be noted:
Estuaries		Yes	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
/ludflats and sandflats not covered by seawater at low de		Yes	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Coastal lagoons		Yes	No	No	No	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and sand		Yes	No	No	No	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Embryonic shifting dunes		Yes	No	No	No	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	
Dunes with Hippopha rhamnoides		Yes	No	No	No	Yes	Yes	Yes	Yes	
Sea lamprey (Petromyzon marinus)		No	No	No	No	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		No	No	No	No	Yes	Yes	Yes	Yes	
Grey seal (Halichoerus grypus)		No	No	No	No	Yes	Yes	Yes	Yes	
River Derwent SAC Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion egetation	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so t effects do not register at surface) are not considered likely to result in AEOI. With regard to activitie or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI.
Sea lamprey (Petromyzon marinus)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the
River lamprey (Lampetra fluviatilis)		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Bullhead (Cottus gobio)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Skipwith Common SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activi
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Lower Derwent Valley Ramsar, Lower Derwent Valley SPA, River Derwent SAC.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Humber Estuary Ramsar, Lower Derwent Valley Ramsar, Lower Derwent Valley SPA, Humber Estuary SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Humber Estuary Ramsar, Humber Estuary SAC.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley SAC, River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration affects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Humber Estuary Ramsar, Lower Derwent Valley Ramsar, Lower Derwent Valley SPA, Humber Estuary SPA, Humber Estuary SAC, River Derwent SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	ls Euro. site within block?		Can S	Stage A, B, C	or D activitie	es be carried	out without /	AEOI?		Notes
10km)		lf a	ctivity is withi	n European s	ite?	lf ac	ctivity is outsic	le European s	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site		Can	Stage A, B, C	or D activiti	es be carried	d out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf	activity is with	nin European s	site?	lf a	activity is outs	de European	site?	-
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
Humber Estuary Ramsar	No		•							This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Criterion 5 - regularly supports 20,000 or more waterbirds	3	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path]	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Lower Derwent Valley Ramsar	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	/	Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI - see 'Conditions proposed for the licence' (above).
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	 for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		Yes	No	No	No	Yes	Yes	Yes	Yes	
Criterion 5 - regularly supports 20,000 or more waterbirds	3	No	No	No	No	Yes	Yes	Yes	Yes	
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	
Lower Derwent Valley SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so the
Ruff (Philomachus pugnax)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities or near the surface', the following should be noted:
Waterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to result in
Tundra swan (Cygnus columbianus bewickii)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
Eurasian wigeon (Anas penelope)		No	No	No	No	Yes	Yes	Yes	Yes	 - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Eurasian teal (Anas crecca)		No	No	No	No	Yes	Yes	Yes	Yes	
Northern shoveler (Anas clypeata)		No	No	No	No	Yes	Yes	Yes	Yes	
European golden plover (Pluvialis apricaria)		No	No	No	No	Yes	Yes	Yes	Yes	
Humber Estuary SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Great bittern (Botaurus stellaris)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Great bittern (Botaurus stellaris)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Greater scaup (Aythya marila)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Mallard (Anas platyrhynchos)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey plover (Pluvialis squatarola)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern lapwing (Vanellus vanellus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Red knot (Calidris canutus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Red knot (Calidris canutus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sanderling (Calidris calidas)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sanderling (Calidris alba) Sanderling (Calidris alba)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunlin (Calidris alpina schinzii) Dunlin (Calidris alpina schinzii)		n/a n/a	n/a n/a	n/a n/a	n/a n/a	Yes	Yes	Yes	Yes	
								Yes		
Ruff (Philomachus pugnax)		n/a	n/a	n/a	n/a	Yes	Yes		Yes	
Grey plover (Pluvialis squatarola)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Black-tailed godwit (Limosa limosa islandica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Black-tailed godwit (Limosa limosa islandica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bar-tailed godwit (Limosa lapponica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Whimbrel (Numenius phaeopus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian curlew (Numenius arquata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Relevant European Sites										
Designated Sites and Interest Features	Is Euro. site		Can	Stage A, B, C	or D activiti	es be carried	l out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	activity is with	in European s	site?	lf a	ctivity is outsi	de European	site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	-
Common redshank (Tringa totanus)	•	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common greenshank (Tringa nebularia)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ruddy turnstone (Arenaria interpres)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Little tern (Sterna albifrons)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Light-bellied brent goose (Branta bernicla hrota)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian marsh harrier (Circus aeruginosus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common goldeneye (Bucephala clangula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian oystercatcher (Haematopus ostralegus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Pied avocet (Recurvirostra avosetta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian wigeon (Anas penelope)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian teal (Anas crecca)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common pochard (Aythya ferina)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Pied avocet (Recurvirostra avosetta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ö 1 ()						Yes				
Ringed plover (Charadrius hiaticula)		n/a	n/a	n/a	n/a		Yes Yes	Yes	Yes	
Hen harrier (Circus cyaneus)		n/a	n/a	n/a	n/a	Yes	res	Yes	Yes	This site is according this the Version black Olever A. D. O and D. all Western deduces at death (as the
Lower Derwent Valley SAC	Yes	Vee	Ne	Ne	Ne	Vee	Vee	Vee	Vee	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so the effects do not register at surface) are not considered likely to result in AEOI. With regard to activities
Lowland hay meadows (Alopecurus pratensis, Sanguisorba officinalis)		Yes	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted:
Alluvial forests with Alnus glutinosa and Fraxinus		Yes	No	No	No	Yes	Yes	Yes	Yes	- Stage B, C and D activities within the European site boundary are considered likely to result in AEC
excelsior (Alno-Padion, Alnion incanae, Salicion albae)										see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Otter (Lutra lutra)		Yes	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Humber Estuary SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activiti
Sandbanks which are slightly covered by sea water all		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in
the time										AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Estuaries		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Mudflats and sandflats not covered by seawater at low		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
lide										
Coastal lagoons		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and sand		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae))	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Embryopic shifting dupos		n/2	n/a	n/a	n/2	Voc	Voc	Voc	Voc	
Embryonic shifting dunes		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunes with Hippopha rhamnoides		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey seal (Halichoerus grypus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
10km)		lf é	activity is withi	in European s	site?	lf a	ctivity is outsid	le European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
River Derwent SAC	Yes		•		•	•		•		This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
Sea lamprey (Petromyzon marinus)		No	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the
River lamprey (Lampetra fluviatilis)		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Bullhead (Cottus gobio)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Skipwith Common SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Lower Derwent Valley Ramsar, Lower Derwent Valley SPA, River Derwent SAC.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley SAC, River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA, River Derwent SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on										
Relevant European Sites										
······································	ls Euro. site within block?		Can S	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
10km)	Within Diock!	lf a	ctivity is with	in European s	site?	lf a	ctivity is outsi	le European :	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Lower Derwent Valley Ramsar	Yes			•	•					This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		Yes	No	No	No	Yes	Yes	Yes	Tes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
										AEOI – see 'Conditions proposed for the licence' (above).
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes		 - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		Yes	No	No	No	Yes	Yes	Yes	Yes	
Criterion 5 - regularly supports 20,000 or more waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	

Assessment of Effects on Relevant European Sites Designated Sites and Interest Features	Is Euro. site		Can	Stage A, B. C	or D activiti	es be carried	l out without	AEOI?		Notes
present within the Licence Block or within 10km)	within block?	lf a		in European s			ctivity is outsi		site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Lower Derwent Valley SPA	Yes					1		1	1	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so the
Ruff (Philomachus pugnax)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities
Naterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Fundra swan (Cygnus columbianus bewickii)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
Eurasian wigeon (Anas penelope)		No	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Eurasian teal (Anas crecca)		No	No	No	No	Yes	Yes	Yes	Yes	incence Section (above) SHOUID DE HOLED.
Northern shoveler (Anas clypeata)		No	No	No	No	Yes	Yes	Yes	Yes	
European golden plover (Pluvialis apricaria)		No	No	No	No	Yes	Yes	Yes	Yes	
Lower Derwent Valley SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Lowland hay meadows (Alopecurus pratensis, Sanguisorba officinalis)		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities or near the surface', the following should be noted:
Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae)		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AEOI see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Otter (Lutra lutra)		Yes	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
River Derwent SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities' or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
Sea lamprey (Petromyzon marinus)		No	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the
River lamprey (Lampetra fluviatilis)		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Bullhead (Cottus gobio)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Skipwith Common SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie:
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Strensall Common SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Lower Derwent Valley Ramsar, Lower Derwent Valley SPA, River Derwent SAC.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley SAC, River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA, River Derwent SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site within block?	lf a		Stage A, B, C in European s			l out without ctivity is outsi		site?	Notes -
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Lower Derwent Valley Ramsar Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		Yes	No	No	No	Yes	Yes	Yes	Yes	
Criterion 5 - regularly supports 20,000 or more waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	

Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can	Stage A, B, C	cor D activiti	es be carried	l out without	AEOI?		Notes
10km)	WILIIII DIOCK?	lf a	activity is with	in European	site?	lf a	ctivity is outs	de European	site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
Lower Derwent Valley SPA	Yes	•				•	•	1		This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Ruff (Philomachus pugnax)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities or near the surface', the following should be noted:
Waterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to result in
Tundra swan (Cygnus columbianus bewickii)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
Eurasian wigeon (Anas penelope)		No	No	No	No	Yes	Yes	Yes	Yes	 for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Eurasian teal (Anas crecca)		No	No	No	No	Yes	Yes	Yes	Yes	
Northern shoveler (Anas clypeata)		No	No	No	No	Yes	Yes	Yes	Yes	
European golden plover (Pluvialis apricaria)		No	No	No	No	Yes	Yes	Yes	Yes	
Lower Derwent Valley SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Lowland hay meadows (Alopecurus pratensis, Sanguisorba officinalis)		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities ' or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI
Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae)		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage b, C and D activities within the European site boundary are considered likely to result in AEOI see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Otter (Lutra lutra)		Yes	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
River Derwent SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities ' or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEO.
Sea lamprey (Petromyzon marinus)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the
River lamprey (Lampetra fluviatilis)		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Bullhead (Cottus gobio)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Strensall Common SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the Advice proposed with the licence section (above) should be noted.

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley SAC, River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA, River Derwent SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Relevant European ones										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can	Stage A, B, C	or D activiti	es be carrie	d out without	AEOI?		Notes
10km)		lf a	activity is with	in European s	site?	lf á	activity is outs	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Lower Derwent Valley Ramsar	No	•					•	•		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 2 - supports vulnerable, endangered, or criticall endangered species or threatened eco. communities	y	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 5 - regularly supports 20,000 or more waterbird	5	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 1 - sites containing representative, rare or unique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Designated Sites and Interest Features	ls Euro. site		Can	Stage A, B, C	or D activiti	es be carried	l out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	activity is with	in European :	site?	lf a	activity is outsi	de European	site?	4
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
Lower Derwent Valley SPA	No	<u>I</u>	<u>I</u>	<u>I</u>			<u>I</u>	1	1	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Ruff (Philomachus pugnax)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Tundra swan (Cygnus columbianus bewickii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian wigeon (Anas penelope)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian teal (Anas crecca)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern shoveler (Anas clypeata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Lower Derwent Valley SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Lowland hay meadows (Alopecurus pratensis, Sanguisorba officinalis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River Derwent SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so tha
Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Sea lamprey (Petromyzon marinus)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
River lamprey (Lampetra fluviatilis)		No	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Bullhead (Cottus gobio)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Strensall Common SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are River Derwent SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
10km)	WIGHT DIOCK?	lf e	activity is withi	n European s	ite?	lf a	ctivity is outsid	le European :	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
River Derwent SAC	Yes		•	•			•		•	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation		Yes	No	No	No	Yes	Yes	Yes	165	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
Sea lamprey (Petromyzon marinus)		No	No	No	No	Yes	Yes	Yes		- for activities occurring outside the boundary of the European site, the 'Advice proposed with the
River lamprey (Lampetra fluviatilis)		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Bullhead (Cottus gobio)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		Yes	No	No	No	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are North York Moors SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are North York Moors SPA.

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- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
10km)		lf é	activity is withi	in European s	ite?	lf a	ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
North York Moors SPA	No	•		•	•	•	•	•	•	This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D
Merlin (Falco columbarius)		n/a	n/a	n/a	n/a	Yes	Yes	Yes		activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence'
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes		section (above) should be noted.
North York Moors SAC	No									This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes		activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence'
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	N/	section (above) should be noted.
Blanket bogs (priority feature if active bog)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: North York Moors SPA.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are North York Moors SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are North York Moors SPA.

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- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Relevant European Oiles										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	cor D activiti	es be carried	l out without	AEOI?		Notes
10km)			activity is with	in European :	site?	lf a	activity is outs	ide European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
North York Moors SPA	Yes	•	•			•	•	•	•	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Merlin (Falco columbarius)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a
European golden plover (Pluvialis apricaria)		No	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Eller`s Wood and Sand Dale SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Petrifying springs with tufa formation (Cratoneurion)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Geyer`s whorl snail (Vertigo geyeri)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Arnecliff and Park Hole Woods SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Old sessile oak woods with Ilex and Blechnum in the British Isles		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Killarney fern (Trichomanes speciosum)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be holed.

Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
		lf a	activity is withi	in European s	ite?	lf a	ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
North York Moors SAC Northern Atlantic wet heaths with Erica tetralix European dry heaths Blanket bogs (priority feature if active bog)	Yes	Yes	No No No	No No No	No No No	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI - see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Fen Bog SAC Iransition mires and quaking bogs	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley SAC, River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA, River Derwent SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
10km)		lf a	activity is with	in European s	site?	lf a	ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Lower Derwent Valley Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	1	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 5 - regularly supports 20,000 or more waterbirds	3	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 1 - sites containing representative, rare or unique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Assessment of Effects on										
Relevant European Sites Designated Sites and Interest Features	Is Euro. site		Can	Stage A, B, C	c or D activiti	es be carried	d out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	activity is with	in European s	site?	lf a	activity is outs	ide European	site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
Lower Derwent Valley SPA	No	•	•		•	•			•	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Ruff (Philomachus pugnax)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Tundra swan (Cygnus columbianus bewickii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian wigeon (Anas penelope)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian teal (Anas crecca)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern shoveler (Anas clypeata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Lower Derwent Valley SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Lowland hay meadows (Alopecurus pratensis, Sanguisorba officinalis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River Derwent SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bullhead (Cottus gobio)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley SAC, River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA, River Derwent SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Relevant European Sites										
······································	ls Euro. site within block?		Can	Stage A, B, C	or D activiti	es be carried	l out without	AEOI?		Notes
10km)		lf é	activity is with	in European s	site?	lf a	ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Lower Derwent Valley Ramsar	No								1	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	,	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 5 - regularly supports 20,000 or more waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 1 - sites containing representative, rare or unique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Assessment of Effects on										
Relevant European Sites Designated Sites and Interest Features	Is Euro. site		Can	Stage A, B, C	c or D activiti	es be carried	d out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	activity is with	in European s	site?	lf a	activity is outs	ide European	site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
Lower Derwent Valley SPA	No	•	•		•	•			•	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Ruff (Philomachus pugnax)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Tundra swan (Cygnus columbianus bewickii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian wigeon (Anas penelope)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian teal (Anas crecca)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern shoveler (Anas clypeata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Lower Derwent Valley SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Lowland hay meadows (Alopecurus pratensis, Sanguisorba officinalis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River Derwent SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bullhead (Cottus gobio)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are River Derwent SAC.

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- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Referrant European enco										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can	Stage A, B, C	C or D activiti	es be carried	l out without	AEOI?		Notes
10km)		lf a	activity is with	in European :	site?	lf e	activity is outs	ide European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
River Derwent SAC	No		-					-		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	165	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bullhead (Cottus gobio)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are River Derwent SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	l out without	AEOI?		Notes
10km)		lf a	activity is with	in European :	site?	lf a	ctivity is outsi	de European :	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Eller`s Wood and Sand Dale SAC	No		•	•						This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Petrifying springs with tufa formation (Cratoneurion)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Geyer`s whorl snail (Vertigo geyeri)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
River Derwent SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bullhead (Cottus gobio)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are River Derwent SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
		lf a	activity is with	in European s	ite?	lf a	ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
River Derwent SAC	No									This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D
Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Tes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bullhead (Cottus gobio)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are North York Moors SPA.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are North York Moors SPA, River Derwent SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	l out without	AEOI?		Notes
10km)	WIGHT DIOCK?	lf é	activity is with	in European s	ite?	lf a	ctivity is outsi	ide European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
North York Moors SPA	No		1							This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Merlin (Falco columbarius)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Eller`s Wood and Sand Dale SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Petrifying springs with tufa formation (Cratoneurion)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Geyer`s whorl snail (Vertigo geyeri)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
North York Moors SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Blanket bogs (priority feature if active bog)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachionn/an/an/an/aYesYesYesYesundertaken at depth (so that effects do not register at surface) are not considered likely to m AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence (above) should be noted.Sea lamprey (Petromyzon marinus)n/an/an/aNaYesYesYesRiver lamprey (Lampetra fluviatilis)n/an/an/aNaYesYesYesBullhead (Cottus gobio)n/an/an/an/aYesYesYesYes	No	Stage A	Stage B					•		This site is outside the licence block, over 1km from the block boundary. State A. B. C and D activitie
No Network SAC No Water courses of plain to montane levels with the Ranuculion fluitantis and Calilitricho-Batrachion vegetation n/a n/a n/a n/a n/a n/a Na Yes				Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	This site is outside the licence block, over 1km from the block boundary. State A. B. C and D activitie
Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion n/a n/a n/a Yes Yes Yes Undertaken at depth (so that effects do not register at surface) are not considered likely to not AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence (above) should be noted. Sea lamprey (Petromyzon marinus) n/a n/a n/a Yes Yes Yes Yes River lamprey (Lampetra fluviatilis) n/a n/a n/a Yes Yes Yes Yes Bullhead (Cottus gobio) n/a n/a n/a n/a Yes Yes Yes Yes		n/a								This site is outside the licence block over 1km from the block boundary. Stage A. B. C. and D. activitie
Ranucculion fluitanties of plain to fluitantie feeds with the format in a final fina		n/a								
River lamprey (Lampetra fluviatilis) n/a n/a n/a n/a Yes Yes Yes Bullhead (Cottus gobio) n/a n/a n/a n/a Yes Yes Yes Yes		1// 2	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Bullhead (Cottus gobio) n/a n/a n/a n/a Yes Yes Yes Yes	1	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
	1	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Otter (Lutra lutra) n/a n/a n/a Yes Yes Yes	1	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
	1	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
			n/a n/a	n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a N/a Yes n/a n/a n/a n/a Yes	n/a n/a n/a N/a Yes Yes n/a n/a n/a n/a Yes Yes	n/a n/a n/a n/a Yes Yes Yes n/a n/a n/a n/a Yes Yes Yes	n/a n/a n/a n/a Yes Yes Yes Yes n/a n/a n/a n/a Yes Yes Yes Yes

Licence block: SE95										
Granting of Licence Proposed?: Ye	es									
Condtions proposed for the										
Advice proposed for the licence										
Assessment of Effects on Relevan	t Europ	ean Sit	tes							
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site		Can Stag	е А, В, С о	or D activitie	es be carrie	ed out with	out AEOI?)	Notes
	within	If act	tivity is with	in Europea	n site?	lf acti	vity is outsi	de Europea	in site?]
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
						none				

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are River Derwent SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

	Euro. site		Can S	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
10km)		lf a	ctivity is withi	in European s	ite?	lf a	ctivity is outsid	de European :	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
River Derwent SAC No	0		•		•	•				This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation	I	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sea lamprey (Petromyzon marinus)	1	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)	1	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bullhead (Cottus gobio)	I	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)	1	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific projectlevel operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are River Derwent SAC.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Flamborough and Filey Coast pSPA.

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- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or	ls Euro. site within		Can Sta	nge A, B, C d	or D activitie	es be carrie	d out withou	It AEOI?		Notes
within 10km)	block?	lf ac	ctivity is withi	n European	site?	If ac	tivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Eller's Wood and Sand Dale SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Petrifying springs with tufa formation (Cratoneurion)		n/a	n/a	n/a	n/a	Yes	Yes	Yes		activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
Geyer`s whorl snail (Vertigo geyeri)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.

Assessment of Effects on Relevant European Sites

		-								
Designated Sites and Interest Features (present within the Licence Block or	ls Euro. site within		Can Sta	ge A, B, C d	or D activitie	s be carried	d out withou	t AEOI?		Notes
within 10km)	block?	lf ac	tivity is withii	n European :	site?	lf act	tivity is outsic	le European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
River Derwent SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bullhead (Cottus gobio)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Flamborough and Filey Coast pSPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Black-legged kittiwake (Rissa tridactyla)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
Gannet (Morus bassanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
Common guillemot (Uria aalge albionis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Razorbill (Alca torda islandica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Seabird assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are River Derwent SAC.

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- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can	Stage A, B, C	c or D activiti	es be carried	l out without	AEOI?		Notes
10km)			If activity is within European site?				ctivity is outs	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D]
River Derwent SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bullhead (Cottus gobio)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are North York Moors SPA; Flamborough and Filey Coast pSPA.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific projectlevel operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are North York Moors SPA, River Derwent SAC; Flamborough and Filey Coast pSPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site within block?		Can Sta ctivity is withi		or D activitie site?			It AEOI? de European	site?	Notes
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
North York Moors SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Merlin (Falco columbarius)		n/a	n/a	n/a	n/a	Yes	Yes	Yes		activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
European golden plover (Pluvialis apricaria)		n/a n/a n/a N				Yes	Yes	Yes		with the licence' section (above) should be noted.

Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features	ls Euro. site		Can Sta	ige A, B, C d	or D activitie	es be carried	l out withou	t AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf ac	ctivity is withi	n European	site?	If act	ivity is outsid	le European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Eller's Wood and Sand Dale SAC	No	-	-				-	-	-	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Petrifying springs with tufa formation (Cratoneurion)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
Geyer`s whorl snail (Vertigo geyeri)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
North York Moors SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Blanket bogs (priority feature if active bog)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River Derwent SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bullhead (Cottus gobio)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Flamborough and Filey Coast pSPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Black-legged kittiwake (Rissa tridactyla)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
Gannet (Morus bassanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
Common guillemot (Uria aalge albionis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Razorbill (Alca torda islandica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Seabird assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: North York Moors SPA.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are North York Moors SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are North York Moors SPA.

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- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Rolovant Europouri Oltoo										
	Is Euro. site within block?		Can S	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
10km)	intanii bioon.	lf a	nctivity is withi	n European s	ite?	lf a	ctivity is outsid	de European s	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
North York Moors SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so tha
Merlin (Falco columbarius)		No	No	No	No	Yes	Yes	Yes		effects do not register at surface) are not considered likely to result in AEOI. With regard to activities ' or near the surface', the following should be noted:
European golden plover (Pluvialis apricaria)		No	No	No	No	Yes	Yes	Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Eller`s Wood and Sand Dale SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Petrifying springs with tufa formation (Cratoneurion)		n/a	n/a	n/a	n/a	Yes	Yes	Yes		undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Geyer`s whorl snail (Vertigo geyeri)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?			• • •		ies be carried				Notes
10km)		lf a	activity is with	in European	site?	lf a	ctivity is outs	ide European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Beast Cliff – Whitby (Robin Hood`s Bay) SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Vegetated sea cliffs of the Atlantic and Baltic Coasts		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
North York Moors SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Northern Atlantic wet heaths with Erica tetralix		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a or near the surface', the following should be noted:
European dry heaths		Yes	No	No	No	Yes	Yes	Yes	Yes	- Stage B, C and D activities within the European site boundary are considered likely to result in AEOI -
Blanket bogs (priority feature if active bog)		Yes	No	No	No	Yes	Yes	Yes	Yes	see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Fen Bog SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Transition mires and quaking bogs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Mersey Estuary Ramsar, Mersey Estuary SPA.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Dee and Bala Lake/ Afon Dyfrdwy a Llyn Tegid SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Dee and Bala Lake/ Afon Dyfrdwy a Llyn Tegid SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are Mersey Estuary Ramsar, Mersey Estuary SPA, River Dee and Bala Lake/ Afon Dyfrdwy a Llyn Tegid SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

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Assessment of Effects on

Relevant European Siles										
Designated Sites and Interest Features (present within the Licence Block or within	ls Euro. site within block?		Can S	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
10km)		lf á	activity is withi	n European s	ite?	lf a	ctivity is outsi	de European :	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Mersey Estuary Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 5 - regularly supports 20,000 or more waterbirds	5	n/a	n/a	n/a	n/a	Yes	Yes	Yes	165	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be hoted.

Relevant European Sites	ls Euro, site	1	Can	Stage A. B. C	or D activiti	es be carrie	d out without	AEOI?		Notes
(present within the Licence Block or within	within block?		activity is with	• • •					-:	-
10km)			activity is with	in European :	site?	IT e	activity is outs	de European	Site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Midland Meres and Mosses Phase 1 Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activit
Criterion 1 - sites containing representative, rare or unique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be holed.
Midland Meres and Mosses Phase 2 Ramsar	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so the
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities or near the surface', the following should be noted:
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AEC see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Mersey Estuary SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activiti
Common shelduck (Tadorna tadorna)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Eurasian wigeon (Anas penelope)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Eurasian teal (Anas crecca)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern pintail (Anas acuta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey plover (Pluvialis squatarola)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern lapwing (Vanellus vanellus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian curlew (Numenius arquata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Great crested grebe (Podiceps cristatus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Black-tailed godwit (Limosa limosa islandica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Oak Mere SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so t
Oligotrophic waters containing very few minerals of sandy plains (Littorelletalia uniflorae)		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activitie or near the surface', the following should be noted:
Transition mires and quaking bogs		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in A see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
10km)	WIGHT DIOCK!	lf a	activity is withi	in European s	site?	lf a	ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
West Midlands Mosses SAC	Yes					•				This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Natural dystrophic lakes and ponds		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Transition mires and quaking bogs		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
River Dee and Bala Lake/ Afon Dyfrdwy a Llyn Tegid SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Brook lamprey (Lampetra planeri)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic salmon (Salmo salar)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bullhead (Cottus gobio)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Floating water-plantain (Luronium natans)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Mersey Estuary Ramsar, Mersey Estuary SPA.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Dee and Bala Lake/ Afon Dyfrdwy a Llyn Tegid SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Dee and Bala Lake/Afon Dyfrdwy a Llyn Tegid SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are Mersey Estuary Ramsar, Mersey Estuary SPA, River Dee and Bala Lake/ Afon Dyfrdwy a Llyn Tegid SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	If a		Stage A, B, C			d out without			Notes
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Mersey Estuary Ramsar	No									This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D
Criterion 5 - regularly supports 20,000 or more waterbirds	;	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' notice (check block the particular)
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	section (above) should be noted.
Midland Meres and Mosses Phase 1 Ramsar	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities ' or near the surface', the following should be noted:
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	,	Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AEOI see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.

Designated Sites and Interest Features	Is Euro. site		Can	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	activity is with	in European s	site?	lf e	activity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
Midland Meres and Mosses Phase 2 Ramsar	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI-
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		Yes	No	No	No	Yes	Yes	Yes	Yes	see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Mersey Estuary SPA	No									This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D
Common shelduck (Tadorna tadorna)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to
Eurasian wigeon (Anas penelope)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Eurasian teal (Anas crecca)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern pintail (Anas acuta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey plover (Pluvialis squatarola)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern lapwing (Vanellus vanellus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian curlew (Numenius arquata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Great crested grebe (Podiceps cristatus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Black-tailed godwit (Limosa limosa islandica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Oak Mere SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Oligotrophic waters containing very few minerals of sandy plains (Littorelletalia uniflorae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Transition mires and quaking bogs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) snouid be noted.
West Midlands Mosses SAC	No									This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D
Natural dystrophic lakes and ponds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to
Transition mires and quaking bogs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
River Dee and Bala Lake/ Afon Dyfrdwy a Llyn Tegid	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
SAC Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Brook lamprey (Lampetra planeri)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic salmon (Salmo salar)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bullhead (Cottus gobio)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Floating water-plantain (Luronium natans)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on Relevant European Sites

	Is Euro. site within block?		Can	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
10km)		lf é	activity is with	in European s	site?	lf a	ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Midland Meres and Mosses Phase 1 Ramsar	Yes			•		*	•	•	•	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities or near the surface', the following should be noted:
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	,	Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AEOI see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Midland Meres and Mosses Phase 2 Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 1 - sites containing representative, rare or unique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	,	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Fenn`s, Whixall, Bettisfield, Wem and Cadney Mosses SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Active raised bogs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Degraded raised bogs still capable of natural regeneration		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
West Midlands Mosses SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Natural dystrophic lakes and ponds		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities ' or near the surface', the following should be noted:
Transition mires and quaking bogs		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AEOI see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.

Relevant European Sites Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
10km)			activity is with	in European s	ite?	lf a	ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Brown Moss SAC Floating water-plantain (Luronium natans)	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Tes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Designated Sites and Interest Features	Is Euro. site		Can S	Stage A, B, C	or D activiti	es be carried	l out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	activity is withi	n European s	ite?	lf a	octivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Midland Meres and Mosses Phase 1 Ramsar Criterion 1 - sites containing representative, rare or unique wetland types	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a or near the surface', the following should be noted:
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AEOI- see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Midland Meres and Mosses Phase 2 Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 1 - sites containing representative, rare or unique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be holed.
Oak Mere SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Oligotrophic waters containing very few minerals of sandy plains (Littorelletalia uniflorae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Transition mires and quaking bogs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.

present within the Licence Block or within 0km)	within block?	lf a		in European s		es be carried		de European		Notes
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
lest Midlands Mosses SAC atural dystrophic lakes and ponds	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so tha effects do not register at surface) are not considered likely to result in AEOI. With regard to activities
ransition mires and quaking bogs		Yes	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
10km)		lf a	activity is withi	in European s	ite?	lfa	ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Midland Meres and Mosses Phase 1 Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 1 - sites containing representative, rare or unique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	4	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be hoted.
Midland Meres and Mosses Phase 2 Ramsar	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Tes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities or near the surface, the following should be noted:
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	/	Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AEOI see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.

Image: Stage A Image	esignated Sites and Interest Features resent within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	l out without	AEOI?		Notes
Oak Mere SAC No Oligotrophic waters containing very few minerals of sandy plains (Littorelletalia uniflorae) n/a n/a <td< th=""><th></th><th></th><th>lf a</th><th>activity is withi</th><th>in European s</th><th>site?</th><th>lf a</th><th>ctivity is outsi</th><th>de European</th><th>site?</th><th></th></td<>			lf a	activity is withi	in European s	site?	lf a	ctivity is outsi	de European	site?	
Oligotrophic waters containing very few minerals of n/a n/a n/a n/a n/a n/a Yes Yes Yes Yes Yes undertaken at depth (so that effects do not register at surface) are not considered likely to consider			Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
AEOI. With regard to activities at or near the surface, the 'Advice proposed with the (above) should be noted. Transition mires and quaking bogs No No No Yes Yes Yes Yes Yes Yes Yes Yes At the surface of the surface of the 'Advice proposed with the sandy plains (Littorelletalia unifforae) West Midlands Mosses SAC Yes This site is present within the licence block. Stage A, B, C and D activities undertake of the 'Advice proposed with the surface's the 'Advice proposed with the sandy plains (Littorelletalia unifforae) West Midlands Mosses SAC Yes This site is present within the licence block. Stage A, B, C and D activities undertake of the 'Advice proposed with the surface's the 'Advice proposed with the sandy plains (Littorelletalia unifforae)	k Mere SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activi
Transition mires and quaking bogs n/a n/a n/a n/a Yes Yes Yes Yes Yes Yes West Midlands Mosses SAC Yes Yes Ves This site is present within the licence block. Stage A, B, C and D activities undertake Natural dystrophic lakes and ponds Yes No No Yes Yes Yes Yes effects do not register at surface) are not considered likely to result in AEOI. With re or near the surface', the following should be noted: Transition mires and quaking bogs Yes No No Yes Yes Yes Yes Stage B, C and D activities within the European site boundary are considered likely			n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (channel) about the surface are surfaced.
Natural dystrophic lakes and ponds Yes No No Yes	insition mires and quaking bogs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Transition mires and quaking bogs Yes No No No Yes Yes Yes Yes - Stage B, C and D activities within the European site boundary are considered likely	est Midlands Mosses SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so
Transition mires and quaking bogs - Stage B, C and D activities within the European site boundary are considered likely	tural dystrophic lakes and ponds		Yes	No	No	No	Yes	Yes	Yes	Yes	
	nsition mires and quaking bogs		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AE see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Mersey Estuary Ramsar, Mersey Estuary SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are Mersey Estuary Ramsar, Mersey Estuary SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	tage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
10km)		lf a	ctivity is withi	n European s	ite?	lf ac	ctivity is outsid	le European s	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Relevant European Sites										
Designated Sites and Interest Features	Is Euro. site		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
present within the Licence Block or within (0km)	within block?		activity is with	in European	site?	lf a	ctivity is outsi	de European :	site?	-
,		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	-
Aersey Estuary Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D act
Criterion 5 - regularly supports 20,000 or more waterbirds	3	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' sec
Criterion 6 - regularly supports 1% of the individuals in a opulation of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
/idland Meres and Mosses Phase 1 Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D act
Criterion 1 - sites containing representative, rare or inique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' sector to the surface to the surfac
Criterion 2 - supports vulnerable, endangered, or critically indangered species or threatened eco. communities	/	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Aidland Meres and Mosses Phase 2 Ramsar	No									This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C a
Criterion 1 - sites containing representative, rare or inique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the lice
Criterion 2 - supports vulnerable, endangered, or critically indangered species or threatened eco. communities	/	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	section (above) should be noted.
Rostherne Mere Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D act
Criterion 1 - sites containing representative, rare or		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' sect
inique wetland types										(above) should be noted.
	No									
	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted. This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D ac undertaken at depth (so that effects do not register at surface) are not considered likely to result
Nersey Estuary SPA	No	n/a n/a	n/a n/a	n/a n/a	n/a n/a	Yes Yes	Yes Yes	Yes Yes		(above) should be noted. This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D ac undertaken at depth (so that effects do not register at surface) are not considered likely to result AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' sec
fersey Estuary SPA Common shelduck (Tadorna tadorna)	No								Yes	(above) should be noted. This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D ac undertaken at depth (so that effects do not register at surface) are not considered likely to result
fersey Estuary SPA Common shelduck (Tadorna tadorna) turasian wigeon (Anas penelope)	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes Yes	(above) should be noted. This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D ac undertaken at depth (so that effects do not register at surface) are not considered likely to result AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' sec
fersey Estuary SPA Common shelduck (Tadorna tadorna) Eurasian wigeon (Anas penelope) Eurasian teal (Anas crecca)	No	n/a n/a	n/a n/a	n/a n/a	n/a n/a	Yes Yes	Yes Yes	Yes Yes	Yes Yes Yes	(above) should be noted. This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D ac undertaken at depth (so that effects do not register at surface) are not considered likely to result AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' sec
fersey Estuary SPA Common shelduck (Tadorna tadorna) turasian wigeon (Anas penelope) turasian teal (Anas crecca) Northern pintail (Anas acuta)	No	n/a n/a n/a	n/a n/a n/a	n/a n/a n/a	n/a n/a n/a	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes Yes	(above) should be noted. This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D ac undertaken at depth (so that effects do not register at surface) are not considered likely to result AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' sec
Mersey Estuary SPA Common shelduck (Tadorna tadorna) Eurasian wigeon (Anas penelope) Eurasian teal (Anas crecca) Northern pintail (Anas acuta) Ringed plover (Charadrius hiaticula)	No	n/a n/a n/a n/a	n/a n/a n/a n/a	n/a n/a n/a n/a	n/a n/a n/a n/a	Yes Yes Yes Yes	Yes Yes Yes Yes	Yes Yes Yes Yes	Yes Yes Yes Yes Yes	(above) should be noted. This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D ac undertaken at depth (so that effects do not register at surface) are not considered likely to result AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' sec
Mersey Estuary SPA Common shelduck (Tadorna tadorna) Eurasian wigeon (Anas penelope) Eurasian teal (Anas crecca) Northern pintail (Anas acuta) Ringed plover (Charadrius hiaticula) European golden plover (Pluvialis apricaria)	No	n/a n/a n/a n/a	n/a n/a n/a n/a	n/a n/a n/a n/a	n/a n/a n/a n/a	Yes Yes Yes Yes Yes	Yes Yes Yes Yes	Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes	(above) should be noted. This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D ac undertaken at depth (so that effects do not register at surface) are not considered likely to result AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' sec
Mersey Estuary SPA Common shelduck (Tadorna tadorna) Eurasian wigeon (Anas penelope) Eurasian teal (Anas crecca) Northern pintail (Anas acuta) Ringed plover (Charadrius hiaticula) European golden plover (Pluvialis apricaria) Frey plover (Pluvialis squatarola)	No	n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a	Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes Yes Yes	(above) should be noted. This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D ac undertaken at depth (so that effects do not register at surface) are not considered likely to result AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' sec
Mersey Estuary SPA Common shelduck (Tadorna tadorna) Eurasian wigeon (Anas penelope) Eurasian teal (Anas crecca) Northern pintail (Anas acuta) Ringed plover (Charadrius hiaticula) European golden plover (Pluvialis apricaria) Grey plover (Pluvialis squatarola) Northern lapwing (Vanellus vanellus)	No	n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a	Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes Yes Yes Yes	(above) should be noted. This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D ac undertaken at depth (so that effects do not register at surface) are not considered likely to result AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' sec
Mersey Estuary SPA Common shelduck (Tadorna tadorna) Eurasian wigeon (Anas penelope) Eurasian teal (Anas crecca) Northern pintail (Anas acuta) Ringed plover (Charadrius hiaticula) European golden plover (Pluvialis apricaria) Grey plover (Pluvialis squatarola) Northern lapwing (Vanellus vanellus) Dunlin (Calidris alpina schinzii)	No	n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a	Yes Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	(above) should be noted. This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D ac undertaken at depth (so that effects do not register at surface) are not considered likely to result AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' sec
Mersey Estuary SPA Common shelduck (Tadorna tadorna) Eurasian wigeon (Anas penelope) Eurasian teal (Anas crecca) Northern pintail (Anas acuta) Ringed plover (Charadrius hiaticula) European golden plover (Pluvialis apricaria) Srey plover (Pluvialis squatarola) Northern lapwing (Vanellus vanellus) Dunlin (Calidris alpina schinzii) Common redshank (Tringa totanus)	No	n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a	Yes Yes Yes Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	(above) should be noted. This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D ac undertaken at depth (so that effects do not register at surface) are not considered likely to result AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' sec
Mersey Estuary SPA Common shelduck (Tadorna tadorna) Eurasian wigeon (Anas penelope) Eurasian teal (Anas crecca) Northern pintail (Anas acuta) Ringed plover (Charadrius hiaticula) European golden plover (Pluvialis apricaria) Srey plover (Pluvialis squatarola) Northern lapwing (Vanellus vanellus) Dunlin (Calidris alpina schinzii) Common redshank (Tringa totanus) Eurasian curlew (Numenius arquata)	No	n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a	Yes Yes Yes Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	(above) should be noted. This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D ac undertaken at depth (so that effects do not register at surface) are not considered likely to result AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' sec

Designated Sites and Interest Features present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	C or D activiti	ies be carried	d out without	AEOI?		Notes
10km)		lf a	activity is withi	in European :	site?	lf a	activity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Dak Mere SAC	No	•	•	•			<u> </u>		1	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Digotrophic waters containing very few minerals of andy plains (Littorelletalia uniflorae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
ransition mires and quaking bogs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Vest Midlands Mosses SAC	No									This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and I
Natural dystrophic lakes and ponds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence'
ransition mires and quaking bogs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	section (above) should be noted.
Rixton Clay Pits SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Great crested newt (Triturus cristatus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
10km)		lf a	activity is with	in European s	ite?	lfa	ctivity is outsi	de European :	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Midland Meres and Mosses Phase 1 Ramsar	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Criterion 2 - supports vulnerable, endangered, or criticall endangered species or threatened eco. communities	у	Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.

Designated Sites and Interest Features present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	l out without	AEOI?		Notes
10km)		lf a	activity is with	in European s	site?	lfa	ctivity is outsi	de European :	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Midland Meres and Mosses Phase 2 Ramsar Criterion 1 - sites containing representative, rare or inique wetland types	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so the effects do not register at surface) are not considered likely to result in AEOI. With regard to activities or near the surface', the following should be noted:
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	/	Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AEC see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Vest Midlands Mosses SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so the effects do not register at surface) are not considered likely to result in AEOI. With regard to activities
Natural dystrophic lakes and ponds		Yes	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted:
Transition mires and quaking bogs		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AEC see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

ls Euro. site within block?		Can S	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
	lf a	activity is withi	n European s	ite?	lf a	ctivity is outsi	de European	site?	
	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Yes		•			•	•	•	•	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so tha
	Yes	No	No	No	Yes	Yes	Yes		effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a or near the surface', the following should be noted:
	Yes	No	No	No	Yes	Yes	Yes		 Stage B, C and D activities within the European site boundary are considered likely to result in AEOI see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
	n/a	n/a	n/a	n/a	Yes	Yes	Yes	165	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
	within block? Yes No	within block?	within block? If activity is within Stage A Stage B Yes No Yes No Yes No No n/a n/a n/a n/a n/a	within block? If activity is within European s Stage A Stage B Stage C Yes No No Yes No No No n/a n/a n/a n/a n/a No n/a n/a	within block? If activity is within European site? Stage A Stage B Stage C Stage D Yes No No No Yes No No No No No No No No No No No No No No No No No n/a n/a No No No No No No No No No No n/a n/a n/a No No No No No No	Within block? If activity is within European site? If a Stage A Stage B Stage C Stage D Stage A Yes No No No Yes Yes No No No Yes No No No Yes No n/a n/a n/a Yes No No No Yes No n/a n/a n/a Yes No n/a n/a n/a Yes No n/a n/a n/a Yes	Within block? If activity is within European site? If activity is outside Stage A Stage B Stage C Stage D Stage A Stage B Yes No No No Yes Yes Yes Yes No No No Yes Yes Yes No No No No Yes Yes No No No No Yes Yes No n/a n/a n/a n/a Yes Yes No No No No Yes Yes Yes No n/a n/a n/a n/a Yes Yes No No No No Yes Yes Yes No n/a n/a n/a n/a Yes Yes No No No No Yes Yes Yes No No No No Yes Yes Yes No No No No Yes Yes Yes	If activity is within European site? If activity is outside European site? Stage A Stage B Stage C Stage D Stage A Stage B Stage C Yes No No No Yes Yes Yes Yes Yes No No No Yes Yes Yes Yes No No No Yes Yes Yes No No No No Yes Yes Yes No No No No Yes Yes Yes No n/a n/a n/a n/a Yes Yes No No No No Yes Yes Yes No n/a n/a n/a n/a Yes Yes No n/a n/a n/a Yes Yes Yes No n/a n/a n/a Yes Yes Yes	Within block? If activity is within European site? If activity is outside European site? Stage A Stage B Stage C Stage D Stage A Stage B Stage D Yes No No No Yes Y

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Relevant European Oiles											
•	Is Euro. site within block?		Can	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes	
10km)		lf é	ctivity is with	in European s	ite?	lfa	ctivity is outsi	de European	site?		
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
Midland Meres and Mosses Phase 1 Ramsar	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a	
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted:	
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	,	Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AEOI see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted. 	
Midland Meres and Mosses Phase 2 Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities	
Criterion 1 - sites containing representative, rare or unique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	,	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Rostherne Mere Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities	
Criterion 1 - sites containing representative, rare or unique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	

Designated Sites and Interest Features present within the Licence Block or within 0km)	ls Euro. site within block?		Can s	• • •			t out without			Notes
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
/est Midlands Mosses SAC	No			1					1	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activiti
atural dystrophic lakes and ponds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
ransition mires and quaking bogs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	itage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
10km)		lfa	activity is withir	n European s	ite?	lf ac	ctivity is outsic	de European s	ite?	
	/	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Midland Meres and Mosses Phase 1 Ramsar	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	tes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI –
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AEOF – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.

Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can	Stage A, B, C	c or D activiti	es be carried	out without	AEOI?		Notes
10km)		lf a	activity is with	hin European	site?	lf a	ctivity is outsi	de European	site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Rostherne Mere Ramsar Criterion 1 - sites containing representative, rare or unique wetland types	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Manchester Mosses SAC Degraded raised bogs still capable of natural regeneration	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Rixton Clay Pits SAC Great crested newt (Triturus cristatus)	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Relevant European Sites										
··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··	ls Euro. site within block?		Can S	tage A, B, C	or D activitie	es be carried	out without A	AEOI?		Notes
10km)		lf a	ctivity is within	n European s	ite?	lf ac	tivity is outsic	le European s	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Midland Meres and Mosses Phase 1 Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 1 - sites containing representative, rare or unique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Midland Meres and Mosses Phase 2 Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 1 - sites containing representative, rare or unique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Peak District Moors (South Pennine Moors Phase 1) SPA.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes	
10km)	internet brook!	lf a	activity is withi	n European s	site?	lf a	ctivity is outsi	de European	site?		
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
Peak District Moors (South Pennine Moors Phase 1) SPA	Yes								•	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at	
Eurasian curlew (Numenius arquata)		No	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted:	
Short-eared owl (Asio flammeus)		No	No	No	No	Yes	Yes	Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). 	
European golden plover (Pluvialis apricaria)		No	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the	
Merlin (Falco columbarius)		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.	
South Pennine Moors SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that	
Northern Atlantic wet heaths with Erica tetralix		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:	
European dry heaths		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – 	
Blanket bogs (priority feature if active bog)		Yes	No	No	No	Yes	Yes	Yes	Yes	see 'Conditions proposed for the licence' (above).	
Transition mires and quaking bogs		Yes	No	No	No	Yes	Yes	Yes	Yes	 - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted. 	
Old sessile oak woods with Ilex and Blechnum in the British Isles		Yes	No	No	No	Yes	Yes	Yes	Yes		

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Peak District Moors (South Pennine Moors Phase 1) SPA.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Peak District Dales SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA, Peak District Dales SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Relevant Luropean Siles										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activitie	es be carried	l out without	AEOI?		Notes
10km)		lf é	activity is with	in European s	ite?	lf a	ctivity is outsi	de European :	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Peak District Moors (South Pennine Moors Phase 1) SPA	Yes		•	•	•	•		•	•	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at
Eurasian curlew (Numenius arquata)		No	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Short-eared owl (Asio flammeus)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
European golden plover (Pluvialis apricaria)		No	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Merlin (Falco columbarius)		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Gang Mine SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Calaminarian grasslands of the Violetalia calaminariae		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can	Stage A, B, C	c or D activiti	ies be carried	d out without	AEOI?		Notes
10km)	WIGHT DIOCK?	lf	activity is with	nin European :	site?	lf a	activity is outs	ide European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Peak District Dales SAC	No		•		•	•			•	This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence'
Calaminarian grasslands of the Violetalia calaminariae		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	section (above) should be noted.
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Alkaline fens		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Calcareous and calcshist screes of the montane to alpine levels (Thlaspietea rotundifolii)	9	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Calcareous rocky slopes with chasmophytic vegetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Tilio-Acerion forests of slopes, screes and ravines		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
White-clawed (or Atlantic stream) crayfish (Austropotamobius pallipes)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Brook lamprey (Lampetra planeri)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bullhead (Cottus gobio)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bee's Nest and Green Clay Pits SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Great crested newt (Triturus cristatus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
South Pennine Moors SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Northern Atlantic wet heaths with Erica tetralix		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities or near the surface', the following should be noted:
European dry heaths		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AEO
Blanket bogs (priority feature if active bog)		Yes	No	No	No	Yes	Yes	Yes	Yes	see 'Conditions proposed for the licence' (above).
Transition mires and quaking bogs		Yes	No	No	No	Yes	Yes	Yes	Yes	 - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Old sessile oak woods with Ilex and Blechnum in the British Isles		Yes	No	No	No	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Peak District Moors (South Pennine Moors Phase 1) SPA.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Peak District Dales SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA, Peak District Dales SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
10km)		lf a	ctivity is withi	n European s	site?	lf a	ctivity is outsi	de European s	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Peak District Moors (South Pennine Moors Phase 1) SPA	Yes		•		-				•	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at
Eurasian curlew (Numenius arquata)		No	No	No	No	Yes	Yes	Yes		or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Short-eared owl (Asio flammeus)		No	No	No	No	Yes	Yes	Yes		AEOI – see 'Conditions proposed for the licence' (above).
European golden plover (Pluvialis apricaria)		No	No	No	No	Yes	Yes	Yes		- for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Merlin (Falco columbarius)		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	Is Euro. site within block?		Can	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
10km)		lf é	activity is with	in European s	site?	lf a	ctivity is outsid	le European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Peak District Dales SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Calaminarian grasslands of the Violetalia calaminariae		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Alkaline fens		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Calcareous and calcshist screes of the montane to alpine levels (Thlaspietea rotundifolii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Calcareous rocky slopes with chasmophytic vegetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Tilio-Acerion forests of slopes, screes and ravines		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
White-clawed (or Atlantic stream) crayfish (Austropotamobius pallipes)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Brook lamprey (Lampetra planeri)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bullhead (Cottus gobio)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
South Pennine Moors SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Northern Atlantic wet heaths with Erica tetralix		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities or near the surface', the following should be noted:
European dry heaths		Yes	No	No	No	Yes	Yes	Yes	Yes	- Stage B, C and D activities within the European site boundary are considered likely to result in AEO
Blanket bogs (priority feature if active bog)		Yes	No	No	No	Yes	Yes	Yes	Yes	see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Transition mires and quaking bogs		Yes	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Old sessile oak woods with Ilex and Blechnum in the British Isles		Yes	No	No	No	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Peak District Dales SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA, Peak District Dales SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

itelevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	ls Euro. site within block?		Can S	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
		lf a	nctivity is withi	n European s	ite?	lf a	ctivity is outsi	de European :	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Peak District Moors (South Pennine Moors Phase 1) SPA	No			•					•	This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to
Eurasian curlew (Numenius arquata)		n/a	n/a	n/a	n/a	Yes	Yes Yes Yes Yes			result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Short-eared owl (Asio flammeus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Merlin (Falco columbarius)		n/a	n/a	n/a	n/a	Yes	Yes Yes Yes			

Assessment of Effects on										
Relevant European Sites Designated Sites and Interest Features	ls Euro, site	1	Can	Stage A. B. C	or D activiti	es be carried	out without	AEOI?		Notes
(present within the Licence Block or within	within block?			• • •						
10km)		lf é	activity is with	in European s	site?	lf a	ctivity is outsi	de European :	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Peak District Dales SAC	No		•	•	• •		•		•	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activ
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Calaminarian grasslands of the Violetalia calaminariae		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Alkaline fens		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Calcareous and calcshist screes of the montane to alpine levels (Thlaspietea rotundifolii)	e	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Calcareous rocky slopes with chasmophytic vegetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Tilio-Acerion forests of slopes, screes and ravines		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
White-clawed (or Atlantic stream) crayfish (Austropotamobius pallipes)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Brook lamprey (Lampetra planeri)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bullhead (Cottus gobio)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
South Pennine Moors SAC	No									This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	section (above) should be noted.
Blanket bogs (priority feature if active bog)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Transition mires and quaking bogs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Old sessile oak woods with Ilex and Blechnum in the British Isles		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Relevant European Olico	-									•
Designated Sites and Interest Features	Is Euro. site		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf é	activity is within	n European s	site?	lf a	ctivity is outsid	le European :	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Peak District Moors (South Pennine Moors Phase 1) SPA	No	•	•						•	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Eurasian curlew (Numenius arquata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Short-eared owl (Asio flammeus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Merlin (Falco columbarius)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
South Pennine Moors SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Blanket bogs (priority feature if active bog)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Transition mires and quaking bogs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Old sessile oak woods with llex and Blechnum in the British Isles		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Licence block: SK43										
Granting of Licence Proposed?: Ye	es									
Condtions proposed for the										
Advice proposed for the licence										
Assessment of Effects on Relevan	t Europ	ean Sit	tes							
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site		Can Stag	е А, В, С о	r D activitie	es be carrie	ed out with	out AEOI?)	Notes
	within	If act	tivity is with	in Europea	n site?	lf acti	ivity is outsi	de Europea	n site?	
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
						none				

Licence block: SK45										
Granting of Licence Proposed?: Ye	es									
Condtions proposed for the										
Advice proposed for the licence										
Assessment of Effects on Relevan	t Europ	ean Sit	tes							
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site		Can Stag	е А, В, С о	or D activitie	es be carrie	ed out with	out AEOI?	•	Notes
	within	If act	tivity is with	in Europea	n site?	lf acti	ivity is outsi	de Europea	in site?	1
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
						none				

Licence block: SK46c

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
10km)	WIGHT DIOCK!	lf e	activity is with	in European s	site?	lf a	ctivity is outsid	le European :	site?	
		Stage A Stage C Stage D Stage A Stage B Stage C Stage D								
Peak District Moors (South Pennine Moors Phase 1) SPA	No		•	•	4				•	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Eurasian curlew (Numenius arquata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Short-eared owl (Asio flammeus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be holed.
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Merlin (Falco columbarius)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
South Pennine Moors SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Blanket bogs (priority feature if active bog)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Transition mires and quaking bogs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Old sessile oak woods with Ilex and Blechnum in the British Isles		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Licence block: SK47b

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
10km)		lf a	activity is withi	n European s	site?	lf au	ctivity is outsic	le European s	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Peak District Moors (South Pennine Moors Phase 1) SPA	No	•	-	•	-				-	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Eurasian curlew (Numenius arquata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes		AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Short-eared owl (Asio flammeus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be hoted.
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Merlin (Falco columbarius)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
South Pennine Moors SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Blanket bogs (priority feature if active bog)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Transition mires and quaking bogs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Old sessile oak woods with llex and Blechnum in the British Isles		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Licence block: SK48										
Granting of Licence Proposed?: Ye	es									
Condtions proposed for the										
Advice proposed for the licence										
Assessment of Effects on Relevan	t Europ	ean Sit	tes							
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site		Can Stag	е А, В, С о	r D activitie	es be carrie	ed out with	out AEOI?)	Notes
	within	If act	tivity is with	in Europeai	n site?	lf acti	ivity is outsi	de Europea	in site?	
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
						none				

Licence block: SK49										
Granting of Licence Proposed?: Ye	es									
Condtions proposed for the										
Advice proposed for the licence										
Assessment of Effects on Relevan	t Europ	ean Sit	tes							
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site		Can Stag	е А, В, С о	r D activitie	es be carrie	ed out with	out AEOI?)	Notes
	within	If act	tivity is with	in Europeai	n site?	lf acti	ivity is outsi	de Europea	n site?	
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
						none				

Licence block: SK52a										
Granting of Licence Proposed?: Ye	es									
Condtions proposed for the										
Advice proposed for the licence										
Assessment of Effects on Relevan	t Europ	ean Sit	es							
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site		Can Stag	е А, В, С о	or D activitie	es be carrie	ed out with	out AEOI?	•	Notes
······································	within	If act	tivity is with	in Europea	n site?	If acti	ivity is outsi	de Europea	n site?	
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
						none				

Licence block: SK53										
Granting of Licence Proposed?: Ye	es									
Condtions proposed for the										
Advice proposed for the licence										
Assessment of Effects on Relevan	t Europ	ean Sit	tes							
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site		Can Stag	е А, В, С о	or D activitie	es be carrie	ed out with	out AEOI?	•	Notes
	within	If act	tivity is with	in Europea	n site?	lf acti	vity is outsi	de Europea	n site?	1
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
						none				

Licence block: SK55										
Granting of licence proposed?	?: Yes									
Conditions proposed for the li	cence									
No conditions proposed.										
Advice proposed with the lice	nce									
The following advice is given:										
 More detailed information relating to designated 	sites taken into a	ccount in this	assessment o	an be viewe	d by accessin	g the followin	ng link: http://jr	ncc.defra.gov	.uk/page-4	
- The location of the block and the relevant Europ	ean sites are illus	trated on the	corresponding	g map in App	endix E.					
Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	tage A, B, C	or D activitie	es be carried	d out without	AEOI?		Notes
10km)		lf a	ctivity is withii	n European s	ite?	lf a	activity is outs	ide European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Birklands and Bilhaugh SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie:
Old acidophilous oak woods with Quercus robur on sandy plains		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Licence block: SK56i

Granting of licence proposed?: Yes

Conditions proposed for the licen	се
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No conditions proposed.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Relevant European Sites												
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?			Stage A, B, C		-		Notes				
10km)		11 8	activity is with	n European s	site ?	ir a	ctivity is outsi	de European	Site ?			
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D			
Birklands and Bilhaugh SAC	No	•	•	•			•		•	This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D		
Old acidophilous oak woods with Quercus robur on sandy plains		n/a	n/a	n/a	n/a	Yes	Yes	Yes		activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.		

Licence block: SK57c										
Granting of licence proposed?	?: Yes									
Conditions proposed for the li	cence									
No conditions proposed.										
Advice proposed with the lice	nce									
The following advice is given:										
 More detailed information relating to designated 	sites taken into a	account in this	assessment	can be viewe	d by accessin	g the followin	ng link: http://jr	ncc.defra.gov.	uk/page-4	
- The location of the block and the relevant Europ					- 	•		Ŭ		
	ean siles are illus	strated on the	correspondin	ig map in App	ENDIX E.					
Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site		Can S	Stage A, B, C	or D activiti	es be carried	d out without	AEOI?		Notes
(present within the Licence Block or within	within block?	If	ectivity is with	in European s	ito?	lfa	activity is outsi	ide European	site?	
10km)			-	in European s			-	-		
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Birklands and Bilhaugh SAC	No		1							This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Old acidophilous oak woods with Quercus robur on sandy plains		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Licence block: SK58a										
Granting of Licence Proposed?: Ye	es									
Condtions proposed for the										
Advice proposed for the licence										
Assessment of Effects on Relevan	t Europ	ean Sit	tes							
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site		Can Stag	е А, В, С о	or D activitie	es be carrie	ed out with	out AEOI?	•	Notes
	n site?									
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
						none				

Licence block: SK59b

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Thorne and Hatfield Moors SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are Thorne and Hatfield Moors SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Relevant European Sites

Designated Sites and Interest Features present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	ties be carried	out without	AEOI?		Notes
10km)			ctivity is withi	nin European si	lite?	lf ar	ctivity is outsid	ide European s	site?	1
	'	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
Thorne and Hatfield Moors SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
European nightjar (Caprimulgus europaeus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	res	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Hatfield Moor SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Degraded raised bogs still capable of natural regeneration		n/a	n/a	n/a	n/a	Yes	Yes	Yes	165	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Licence block: SK66b

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Relevant European Sites													
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?					es be carried				Notes			
10km)		lf a	activity is withi	n European s	site?	lf a	ctivity is outsi	de European	site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D				
Birklands and Bilhaugh SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that			
Old acidophilous oak woods with Quercus robur on sandy plains		Yes	No	No	No	Yes	Yes	Yes	res	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.			

Licence block: SK66c										
Granting of licence proposed?	?: Yes									
Conditions proposed for the li	cence									
No conditions proposed.										
Advice proposed with the lice	nce									
The following advice is given:										
 More detailed information relating to designated 	sites taken into a	ccount in this	assessment	can be viewe	d bv accessin	a the followir	na link: http://i	ncc.defra.gov.	.uk/page-4	
					-	.g	· g · · · · · · · · · · · · · · · · · j			
 The location of the block and the relevant Europ 	ean sites are illus	trated on the	corresponding	g map in App	endix E.					
Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site		Can S	Stage A B C	or D activiti	es he carrier	d out without			Notes
(present within the Licence Block or within	within block?			• • •						
10km)		lfa	ctivity is withi	n European s	site?	lf a	activity is outs	ide European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
Birklands and Bilhaugh SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Old acidophilous oak woods with Quercus robur on sandy plains		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Licence block: SK67a

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Relevant European Sites Designated Sites and Interest Features Is Euro. site Can Stage A, B, C or D activities be carried out without AEOI? Notes present within the Licence Block or within within block? If activity is within European site? If activity is outside European site? Stage D Stage A Stage D Stage A Stage B Stage C Stage B Stage C Birklands and Bilhaugh SAC No This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to Old acidophilous oak woods with Quercus robur on n/a n/a n/a n/a Yes Yes Yes Yes result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' sandy plains section (above) should be noted.

Licence block: SK72a										
Granting of Licence Proposed?: Ye	es									
Condtions proposed for the										
Advice proposed for the licence										
Assessment of Effects on Relevan	t Europ	ean Sit	es							
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site		Can Stag	е А, В, С о	or D activitie	es be carrie	ed out with	out AEOI?)	Notes
······································										
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
						none				

Licence block: SK76b								
Granting of licence proposed?	: Yes							
· · ·								
Conditions proposed for the lie	cence							
No conditions proposed.								
Advice proposed with the licer	ice							
The following advice is given:								
- More detailed information relating to designated	sites taken into a	ccount in this assessmen	t can be viewed by acces	ssing the followin	g link: http://jnc	c.defra.gov.u	uk/page-4	
- The location of the block and the relevant Europ	ean sites are illus	trated on the correspondi	ng map in Appendix E.					
Assessment of Effects on								
Relevant European Sites								
Designated Sites and Interest Features	Is Euro. site	Can	Stage A, B, C or D acti	vities be carried	l out without A	EOI?		Notes
(present within the Licence Block or within 10km)	within block?	If activity is with	hin European site?	lf a	ctivity is outsid	e European :	site?	
		Stage A Stage B	Stage C Stage	D Stage A	Stage B	Stage C	Stage D	
Birklands and Bilhaugh SAC	No		•					This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Old acidophilous oak woods with Quercus robur on sandy plains		n/a n/a	n/a n/a	Yes	Yes	Yes	ies	undertaken at depin (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	Is Euro. site		Can S	tage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
(present within the Licence Block or within	within block?									
		lf a	ctivity is within	n European si	ite?	lf ac	ctivity is outsid	le European s	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Licence block: SK86c										
Granting of Licence Proposed?: Ye	es									
Condtions proposed for the										
Advice proposed for the licence										
Assessment of Effects on Relevant	t Europ	ean Sit	es							
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site		Can Stag	е А, В, С о	r D activitie	es be carri	ed out with	out AEOI?)	Notes
within If activity is within European site? If activity is outside European site?										
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
						none				

Licence block: SK87b										
Granting of Licence Proposed?: Ye	es									
Condtions proposed for the										
Advice proposed for the licence										
Assessment of Effects on Relevan	t Europ	ean Sit	es							
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site		Can Stag	е А, В, С о	or D activitie	es be carrie	ed out with	out AEOI?	•	Notes
······································	within	If act	tivity is with	in Europea	n site?	If acti	ivity is outsi	de Europea	n site?	
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
						none				

Licence block: SK87c										
Granting of Licence Proposed?: Ye	es									
Condtions proposed for the										
Advice proposed for the licence										
Assessment of Effects on Relevan	t Europ	ean Sit	es							
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site		Can Stag	е А, В, С о	or D activitie	es be carrie	ed out with	out AEOI?	•	Notes
	within	If act	tivity is with	in Europea	n site?	lf acti	vity is outsi	de Europea	n site?	
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
						none				

Licence block: SK88b										
Granting of Licence Proposed?: Ye	es									
Condtions proposed for the										
Advice proposed for the licence										
Assessment of Effects on Relevan	t Europ	ean Sit	tes							
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site		Can Stag	е А, В, Со	or D activitie	es be carrie	ed out with	out AEOI?	•	Notes
	within	If act	tivity is with	in Europea	n site?	lf acti	vity is outsi	de Europea	n site?	
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
						none				

Licence block: SK89e										
Granting of Licence Proposed?: Ye	es									
Condtions proposed for the										
Advice proposed for the licence										
Assessment of Effects on Relevan	t Europ	ean Sit	tes							
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site		Can Stag	е А, В, С о	r D activitie	es be carrie	ed out with	out AEOI?)	Notes
	within	If act	tivity is with	in Europea	n site?	lf acti	vity is outsi	de Europea	in site?	
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
						none				

Licence block: SK96										
Granting of Licence Proposed?: Ye	es									
Condtions proposed for the										
Advice proposed for the licence										
Assessment of Effects on Relevan	t Europ	ean Sit	tes							
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site		Can Stag	е А, В, С о	r D activitie	es be carrie	ed out with	out AEOI?	•	Notes
	within	If act	tivity is with	in Europea	n site?	lf acti	vity is outsi	de Europea	n site?	
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
						none				

Licence block: SK99a										
Granting of Licence Proposed?: Ye	es									
Condtions proposed for the										
Advice proposed for the licence										
Assessment of Effects on Relevan	t Europ	ean Sit	tes							
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site		Can Stag	е А, В, С о	r D activitie	es be carrie	ed out with	out AEOI?	•	Notes
	within	If act	tivity is with	in Europea	n site?	lf acti	vity is outsi	de Europea	n site?	
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
						none				

Licence block: SO50

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Severn Estuary SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Severn Estuary/Môr Hafren SAC.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Wye/ Afon Gwy SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Wye/ Afon Gwy SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Wye Valley Woodlands/ Coetiroedd Dyffryn Gwy SAC, Wye Valley and Forest of Dean Bat Sites/ Safleoedd Ystlumod Dyffryn Gwy a Fforest y Ddena SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Severn Estuary Ramsar, Severn Estuary SPA, River Wye/ Afon Gwy SAC, Severn Estuary/Môr Hafren SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on Relevant European Sites

Relevant European oites										
Designated Sites and Interest Features	Is Euro. site		Can S	tage A, B, C	or D activitie	es be carried	out without A	AEOI?		Notes
(present within the Licence Block or within	within block?									
		lf a	ctivity is withi	n European s	ite?	lf ac	tivity is outsid	le European s	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
		-			-	_	-	-	-	

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features	Is Euro. site		Can S	Stage A, B, C	or D activiti	es be carried	d out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf é	activity is with	in European :	site?	lf a	activity is outsi	de European	site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
Severn Estuary Ramsar	No									This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 5 - regularly supports 20,000 or more waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 1 - sites containing representative, rare or unique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Severn Estuary SPA	No									This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D
Dunlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence'
Naterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	section (above) should be noted.
Tundra swan (Cygnus columbianus bewickii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Gadwall (Anas strepera)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Greater white-fronted goose (Anser albifrons albifrons)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River Wye/ Afon Gwy SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
Transition mires and quaking bogs		Yes	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the
White-clawed (or Atlantic stream) crayfish (Austropotamobius pallipes)		Yes	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Sea lamprey (Petromyzon marinus)		No	No	No	No	Yes	Yes	Yes	Yes	
Brook lamprey (Lampetra planeri)		No	No	No	No	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		No	No	No	No	Yes	Yes	Yes	Yes	
Allis shad (Alosa alosa)		No	No	No	No	Yes	Yes	Yes	Yes	
Twaite shad (Alosa fallax)		No	No	No	No	Yes	Yes	Yes	Yes	
Atlantic salmon (Salmo salar)		No	No	No	No	Yes	Yes	Yes	Yes	
Bullhead (Cottus gobio)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Wye Valley Woodlands/ Coetiroedd Dyffryn Gwy SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a
Asperulo-Fagetum beech forests		Yes	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Tilio-Acerion forests of slopes, screes and ravines		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
Taxus baccata woods of the British Isles		Yes	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Lesser horseshoe bat (Rhinolophus hipposideros)		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.

Assessment of Effects on										
Relevant European Sites	-									
······································	Is Euro. site within block?	lf a	Can S	Stage A, B, C			ctivity is outsi		site?	Notes
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	-
Severn Estuary/Môr Hafren SAC	No			•					•	This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D
Sandbanks which are slightly covered by sea water all the time		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' costing (cherup) chegula be parted.
Estuaries		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	section (above) should be noted.
Mudflats and sandflats not covered by seawater at low tide		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Reefs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae))	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Twaite shad (Alosa fallax)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Wye Valley and Forest of Dean Bat Sites/ Safleoedd Ystlumod Dyffryn Gwy a Fforest y Ddena SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a
Lesser horseshoe bat (Rhinolophus hipposideros)		No	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Greater horseshoe bat (Rhinolophus ferrumequinum)		No	No	No	No	Yes	Yes	Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.

Licence block: SO51

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Severn Estuary SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Severn Estuary/Môr Hafren SAC.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Wye/ Afon Gwy SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Wye/ Afon Gwy SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Wye Valley Woodlands/ Coetiroedd Dyffryn Gwy SAC, Wye Valley and Forest of Dean Bat Sites/ Safleoedd Ystlumod Dyffryn Gwy a Fforest y Ddena SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Severn Estuary Ramsar, Severn Estuary SPA, River Wye/ Afon Gwy SAC, Severn Estuary/Môr Hafren SAC.

More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Relevant European Sites

Designated Sites and Interest Features	Is Euro. site		Can S	tage A, B, C	or D activitie	es be carried	out without .	AEOI?		Notes
(present within the Licence Block or within	within block?									
10km)		lf a	ctivity is within	n European si	ite?	lf ac	tivity is outsid	le European s	ite?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

•	Is Euro. site		Can	Stage A, B, C	or D activitie	es be carried	l out without	AEOI?		Notes
present within the Licence Block or within 10km)	within block?	lf á	activity is with	in European :	site?	lf a	ctivity is outsi	de European :	site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Severn Estuary Ramsar	No		•	•			•	•		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 3 - supports populations of plant/animal species moortant for maintaining regional biodiversity		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 5 - regularly supports 20,000 or more waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 1 - sites containing representative, rare or inique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 4 - supports plant/animal species at a critical tage in their life cycles, or provides refuge		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 6 - regularly supports 1% of the individuals in a opulation of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 8 - important source of food for fishes, spawning round, nursery and/or migration path		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Severn Estuary SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Dunlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Vaterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
undra swan (Cygnus columbianus bewickii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Gadwall (Anas strepera)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Greater white-fronted goose (Anser albifrons albifrons)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River Wye/ Afon Gwy SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Vater courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion egetation		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities ' or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
ransition mires and quaking bogs		Yes	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Vhite-clawed (or Atlantic stream) crayfish Austropotamobius pallipes)		Yes	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Sea lamprey (Petromyzon marinus)		No	No	No	No	Yes	Yes	Yes	Yes	
Brook lamprey (Lampetra planeri)		No	No	No	No	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		No	No	No	No	Yes	Yes	Yes	Yes	
Ilis shad (Alosa alosa)		No	No	No	No	Yes	Yes	Yes	Yes	
waite shad (Alosa fallax)		No	No	No	No	Yes	Yes	Yes	Yes	
tlantic salmon (Salmo salar)		No	No	No	No	Yes	Yes	Yes	Yes	
Bullhead (Cottus gobio)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Vye Valley Woodlands/ Coetiroedd Dyffryn Gwy SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so tha effects do not register at surface) are not considered likely to result in AEOI. With regard to activities '
sperulo-Fagetum beech forests		Yes	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
ilio-Acerion forests of slopes, screes and ravines		Yes	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
axus baccata woods of the British Isles		Yes	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the
esser horseshoe bat (Rhinolophus hipposideros)		No	No			Yes	Yes	Yes	Yes	licence' section (above) should be noted.

Assessment of Effects on										
Relevant European Sites										
	ls Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
10km)	WILLIN DIOCK?	lf é	activity is withi	n European s	ite?	lf a	ctivity is outsi	de European :	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Severn Estuary/Môr Hafren SAC	No		•	•			•	•	•	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Sandbanks which are slightly covered by sea water all the time		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Estuaries		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be holed.
Mudflats and sandflats not covered by seawater at low tide		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Reefs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae))	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Twaite shad (Alosa fallax)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Wye Valley and Forest of Dean Bat Sites/ Safleoedd Ystlumod Dyffryn Gwy a Fforest y Ddena SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at
Lesser horseshoe bat (Rhinolophus hipposideros)		No	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Greater horseshoe bat (Rhinolophus ferrumequinum)		No	No	No	No	Yes	Yes	Yes	Yes	- Stage A, b, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.

Licence block: SO60a

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Walmore Common Ramsar, Walmore Common SPA, Severn Estuary SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Severn Estuary/Môr Hafren SAC.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Wye/ Afon Gwy SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Wye/ Afon Gwy SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Wye Valley Woodlands/ Coetiroedd Dyffryn Gwy SAC, Wye Valley and Forest of Dean Bat Sites/ Safleoedd Ystlumod Dyffryn Gwy a Fforest y Ddena SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration affects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Severn Estuary Ramsar, Walmore Common Ramsar, Walmore Common SPA, Severn Estuary SPA, River Wye/ Afon Gwy SAC, Severn Estuary/Môr Hafren SAC.

More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	ls Euro. site within block?		Can S	tage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
10km)		lf a	ctivity is withi	n European si	ite?	lf ac	tivity is outsid	le European s	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

	Is Euro. site		Can	Stage A, B, C	or D activiti	es be carrie	d out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	activity is with	in European s	site?	lf a	activity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	-
Severn Estuary Ramsar	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so the second s
Criterion 3 - supports populations of plant/animal species mportant for maintaining regional biodiversity		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activitie or near the surface', the following should be noted:
Criterion 5 - regularly supports 20,000 or more waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
Criterion 1 - sites containing representative, rare or inique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	 - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 4 - supports plant/animal species at a critical tage in their life cycles, or provides refuge		Yes	No	No	No	Yes	Yes	Yes	Yes	
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	
Criterion 8 - important source of food for fishes, spawning pround, nursery and/or migration path		Yes	No	No	No	Yes	Yes	Yes	Yes	
	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activiti
Criterion 6 - regularly supports 1% of the individuals in a sopulation of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Valmore Common SPA Fundra swan (Cygnus columbianus bewickii)	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activit undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Severn Estuary SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so effects do not register at surface) are not considered likely to result in AEOI. With regard to activitie
Dunlin (Calidris alpina schinzii)		No	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted:
Vaterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to result in
lundra swan (Cygnus columbianus bewickii)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Gadwall (Anas strepera)		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Common redshank (Tringa totanus)		No	No	No	No	Yes	Yes	Yes	Yes	
Greater white-fronted goose (Anser albifrons albifrons)		No	No	No	No	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		No	No	No	No	Yes	Yes	Yes	Yes	
River Wye/ Afon Gwy SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activit
Vater courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion regetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
ransition mires and quaking bogs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
/hite-clawed (or Atlantic stream) crayfish Austropotamobius pallipes)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
rook lamprey (Lampetra planeri)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
liver lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ilis shad (Alosa alosa)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
waite shad (Alosa fallax)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
						Yes	Yes			
Atlantic salmon (Salmo salar)										
Atlantic salmon (Salmo salar) Bullhead (Cottus gobio)		n/a n/a	n/a n/a	n/a n/a	n/a n/a	Yes	Yes	Yes Yes	Yes Yes	

Relevant European Sites Designated Sites and Interest Features	Is Euro. site		Can	Stage A. B. C	or D activiti	ies be carried	d out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	If a	activity is with	-			activity is outs		site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
Wye Valley Woodlands/ Coetiroedd Dyffryn Gwy SAC	No			1						This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Asperulo-Fagetum beech forests		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Tilio-Acerion forests of slopes, screes and ravines		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Taxus baccata woods of the British Isles		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Lesser horseshoe bat (Rhinolophus hipposideros)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Severn Estuary/Môr Hafren SAC	Yes					100	100	100		This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Sandbanks which are slightly covered by sea water all the time		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities ' or near the surface', the following should be noted:
Estuaries		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
Mudflats and sandflats not covered by seawater at low tide		Yes	No	No	No	Yes	Yes	Yes	Yes	for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Reefs		Yes	No	No	No	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	Yes	No	No	No	Yes	Yes	Yes	Yes	
Sea lamprey (Petromyzon marinus)		No	No	No	No	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		No	No	No	No	Yes	Yes	Yes	Yes	
Twaite shad (Alosa fallax)		No	No	No	No	Yes	Yes	Yes	Yes	
Wye Valley and Forest of Dean Bat Sites/ Safleoedd Ystlumod Dyffryn Gwy a Fforest y Ddena SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so tha effects do not register at surface) are not considered likely to result in AEOI. With regard to activities a
Lesser horseshoe bat (Rhinolophus hipposideros)		No	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Greater horseshoe bat (Rhinolophus ferrumequinum)		No	No	No	No	Yes	Yes	Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result i AEOI – see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.

Licence block: SO60b

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Walmore Common Ramsar, Walmore SPA, Severn Estuary SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Severn Estuary/Môr Hafren SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Wye Valley and Forest of Dean Bat Sites/ Safleoedd Ystumod Dyffryn Gwy a Fforest y Ddena SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are Severn Estuary Ramsar, Walmore Common Ramsar, Walmore Common SPA, Severn Estuary SPA, Severn Estuary/Môr Hafren SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Relevant European Sites

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······································	ls Euro. site		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	activity is withi	n European s	ite?	lf a	ctivity is outsi	le European :	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Severn Estuary Ramsar	Yes				•		-			This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity		Yes	No	No	No	Yes	Yes	Yes	165	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Criterion 5 - regularly supports 20,000 or more waterbirds	;	No	No	No	No	Yes	Yes	Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		Yes	No	No	No	Yes	Yes	Yes	Yes	
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path	I	Yes	No	No	No	Yes	Yes	Yes	Yes	

Relevant European Sites										
Designated Sites and Interest Features	Is Euro. site		Can S	Stage A, B, C	c or D activiti	es be carried	l out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf é	activity is with	in European s	site?	lf a	ctivity is outsi	de European	site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Walmore Common Ramsar	No	<u> </u>	<u> </u>	<u> </u>					1	I This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activi
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' sectio (above) should be noted.
Walmore Common SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activi
Tundra swan (Cygnus columbianus bewickii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' sectio (above) should be noted.
Severn Estuary SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so
Dunlin (Calidris alpina schinzii)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activit or near the surface', the following should be noted:
Waterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result in
Tundra swan (Cygnus columbianus bewickii)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Gadwall (Anas strepera)		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Common redshank (Tringa totanus)		No	No	No	No	Yes	Yes	Yes	Yes	
Greater white-fronted goose (Anser albifrons albifrons)		No	No	No	No	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		No	No	No	No	Yes	Yes	Yes	Yes	
Severn Estuary/Môr Hafren SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so
Sandbanks which are slightly covered by sea water all he time		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activit or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Estuaries		Yes	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
Mudflats and sandflats not covered by seawater at low ide		Yes	No	No	No	Yes	Yes	Yes	Yes	 - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Reefs		Yes	No	No	No	Yes	Yes	Yes	Yes	
tlantic salt meadows (Glauco-Puccinellietalia maritimae))	Yes	No	No	No	Yes	Yes	Yes	Yes	
Sea lamprey (Petromyzon marinus)		No	No	No	No	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		No	No	No	No	Yes	Yes	Yes	Yes	
Twaite shad (Alosa fallax)		No	No	No	No	Yes	Yes	Yes	Yes	
Nye Valley and Forest of Dean Bat Sites/ Safleoedd Ystlumod Dyffryn Gwy a Fforest y Ddena SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activ undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Lesser horseshoe bat (Rhinolophus hipposideros)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' secti (above) should be noted.
Greater horseshoe bat (Rhinolophus ferrumequinum)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Licence block: SO61

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Walmore Common Ramsar, Walmore Common SPA, Severn Estuary SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Severn Estuary/Môr Hafren SAC.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Wye/ Afon Gwy SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Wye/ Afon Gwy SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Wye Valley Woodlands/ Coetiroedd Dyffryn Gwy SAC, Wye Valley and Forest of Dean Bat Sites/ Safleoedd Ystlumod Dyffryn Gwy a Fforest y Ddena SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration affects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Severn Estuary Ramsar, Walmore Common Ramsar, Walmore Common SPA, Severn Estuary SPA, River Wye/ Afon Gwy SAC, Severn Estuary/Môr Hafren SAC.

More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
10km)			ctivity is withi	n European s	ite?	lf ac	ctivity is outsid	le European s	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Designated Sites and Interest Features	ls Euro. site		Can	Stage A, B, C	or D activiti	es be carried	d out without		Notes	
(present within the Licence Block or within 10km)	within block?	lf a	activity is with	in European :	site?	lf a	activity is outsi	de European	site?	-
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	-
Severn Estuary Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Criterion 3 - supports populations of plant/animal species mportant for maintaining regional biodiversity		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 5 - regularly supports 20,000 or more waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 1 - sites containing representative, rare or inique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Nalmore Common Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 6 - regularly supports 1% of the individuals in a sopulation of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Valmore Common SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
undra swan (Cygnus columbianus bewickii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Severn Estuary SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Dunlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Vaterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
undra swan (Cygnus columbianus bewickii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
adwall (Anas strepera)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Greater white-fronted goose (Anser albifrons albifrons)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River Wye/ Afon Gwy SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so the
Vater courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion egetation		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activitie: or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
ransition mires and quaking bogs		Yes	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the
hite-clawed (or Atlantic stream) crayfish ustropotamobius pallipes)		Yes	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
ea lamprey (Petromyzon marinus)		No	No	No	No	Yes	Yes	Yes	Yes	
rook lamprey (Lampetra planeri)		No	No	No	No	Yes	Yes	Yes	Yes	
iver lamprey (Lampetra fluviatilis)		No	No	No	No	Yes	Yes	Yes	Yes	
llis shad (Alosa alosa)		No	No	No	No	Yes	Yes	Yes	Yes	
vaite shad (Alosa fallax)		No	No	No	No	Yes	Yes	Yes	Yes	
tlantic salmon (Salmo salar)		No	No	No	No	Yes	Yes	Yes	Yes	
ullhead (Cottus gobio)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		Yes	No	No	No	Yes	Yes	Yes	Yes	

Relevant European Sites Designated Sites and Interest Features	ls Euro. site		Can S	Stage A, B, C	or D activiti	ies be carried	l out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf á	activity is withi	n European s	site?	lf a	activity is outs	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Wye Valley Woodlands/ Coetiroedd Dyffryn Gwy SAC	No		1		1			1	1	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Asperulo-Fagetum beech forests		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Tilio-Acerion forests of slopes, screes and ravines		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Taxus baccata woods of the British Isles		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Lesser horseshoe bat (Rhinolophus hipposideros)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Severn Estuary/Môr Hafren SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Sandbanks which are slightly covered by sea water all the time		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Estuaries		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be hoted.
Mudflats and sandflats not covered by seawater at low tide		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Reefs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Twaite shad (Alosa fallax)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Wye Valley and Forest of Dean Bat Sites/ Safleoedd Ystlumod Dyffryn Gwy a Fforest y Ddena SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so the effects do not register at surface) are not considered likely to result in AEOI. With regard to activities
Lesser horseshoe bat (Rhinolophus hipposideros)		No	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Greater horseshoe bat (Rhinolophus ferrumequinum)		No	No	No	No	Yes	Yes	Yes	Yes	 Step A, B, C and D advines within the European site bolindary are considered likely to result AEOI – see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with th licence' section (above) should be noted.

Licence block: ST04

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Severn Estuary SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Severn Estuary/Môr Hafren SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Exmoor and Quantock Oakwoods SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Exmoor and Quantock Oakwoods SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are Severn Estuary Ramsar, Severn Estuary SPA, Severn Estuary/Môr Hafren SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Relevant European Sites										
•	ls Euro. site within block?		Can	Stage A, B, C	or D activiti	es be carried	d out without	AEOI?		Notes
10km)		lf a	activity is with	in European s	site?	lf a	activity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Severn Estuary Ramsar	No	•	•	•		•			•	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 5 - regularly supports 20,000 or more waterbirds	;	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path	I	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features	ls Euro, site	1	Can	Stago A B (or Dactiviti	es be carried	outwithout	AE0/2		Notes
pesignated Sites and interest Features (present within the Licence Block or within	within block?		Can	Stage А, В, С	, or D activiti	es de carried	out without	AEUI?		Notes
10km)		lf a	activity is with	in European :	site?	lf a	ctivity is outsi	de European	site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Severn Estuary SPA	No	1		•		•				This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activit
Dunlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Tundra swan (Cygnus columbianus bewickii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Gadwall (Anas strepera)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Greater white-fronted goose (Anser albifrons albifrons)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Severn Estuary/Môr Hafren SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activiti
Sandbanks which are slightly covered by sea water all the time		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Estuaries		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Mudflats and sandflats not covered by seawater at low ide		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Reefs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Twaite shad (Alosa fallax)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Exmoor Heaths SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activit
Vegetated sea cliffs of the Atlantic and Baltic Coasts		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Blanket bogs (priority feature if active bog)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Alkaline fens		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Old sessile oak woods with Ilex and Blechnum in the British Isles		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Exmoor and Quantock Oakwoods SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activit
Old sessile oak woods with Ilex and Blechnum in the British Isles		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (a super licence') and the licence' section (a super licence) and the surface is the surface section (a super licence) and the surface section (a super licence) and the super licence) are super licence.
Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Barbastelle (Barbastella barbastellus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bechstein`s bat (Myotis bechsteini)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Licence block: ST14

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Severn Estuary SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Severn Estuary/Môr Hafren SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Exmoor and Quantock Oakwoods SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Exmoor and Quantock Oakwoods SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Severn Estuary Ramsar, Severn Estuary SPA, Severn Estuary/Môr Hafren SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	tage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
		lf a	ctivity is withir	n European si	ite?	lf ac	ctivity is outsid	le European s	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf	activity is withi	n European s	site?	lf a	ctivity is outsi	de European :	site?	-
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Severn Estuary Ramsar	Yes		•		•					This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities ' or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Criterion 5 - regularly supports 20,000 or more waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		Yes	No	No	No	Yes	Yes	Yes	Yes	
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path		Yes	No	No	No	Yes	Yes	Yes	Yes	
Severn Estuary SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Dunlin (Calidris alpina schinzii)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a or near the surface', the following should be noted:
Waterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to result in
Tundra swan (Cygnus columbianus bewickii)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
Gadwall (Anas strepera)		No	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Common redshank (Tringa totanus)		No	No	No	No	Yes	Yes	Yes	Yes	
Greater white-fronted goose (Anser albifrons albifrons)		No	No	No	No	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		No	No	No	No	Yes	Yes	Yes	Yes	
Severn Estuary/Môr Hafren SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Sandbanks which are slightly covered by sea water all the time		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 's or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Estuaries		Yes	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
Mudflats and sandflats not covered by seawater at low tide		Yes	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Reefs		Yes	No	No	No	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Sea lamprey (Petromyzon marinus)		No	No	No	No	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		No	No	No	No	Yes	Yes	Yes	Yes	
Twaite shad (Alosa fallax)		No	No	No	No	Yes	Yes	Yes	Yes	
Exmoor and Quantock Oakwoods SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Old sessile oak woods with Ilex and Blechnum in the British Isles		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae)		Yes	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D advises within the European site both any are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Barbastelle (Barbastella barbastellus)		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Bechstein`s bat (Myotis bechsteini)		No	No	No	No	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		Yes	No	No	No	Yes	Yes	Yes	Yes	

Licence block: ST24

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Somerset Levels & Moors Ramsar, Somerset Levels and Moors SPA, Severn Estuary SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Severn Estuary/Môr Hafren SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Exmoor and Quantock Oakwoods SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Exmoor and Quantock Oakwoods SAC, Mendip Limestone Grasslands SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are Severn Estuary Ramsar, Somerset Levels & Moors Ramsar, Somerset Levels and Moors SPA, Severn Estuary SPA, Severn Estuary/Môr Hafren SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?							Notes	
		If activity is within European site?			If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site	1	Can S	Stage A. B. C	or D activitie	es be carried	out without	AEOI?		Notes
(present within the Licence Block or within	within block?			• • •						
10km)		lf é	activity is withi	n European s	site?	lf a	ctivity is outsid	le European s	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Severn Estuary Ramsar	Yes			1						This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Criterion 5 - regularly supports 20,000 or more waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		Yes	No	No	No	Yes	Yes	Yes	Yes	
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path		Yes	No	No	No	Yes	Yes	Yes	Yes	
Somerset Levels & Moors Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 5 - regularly supports 20,000 or more waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Somerset Levels and Moors SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Tundra swan (Cygnus columbianus bewickii)		n/a	n/a	n/a	n/a	Yes			Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Northern lapwing (Vanellus vanellus)		n/a	n/a	n/a	n/a	Yes			Yes	(above) should be noted.
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian teal (Anas crecca)		n/a	n/a	n/a	n/a	Yes		Yes	Yes	
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Severn Estuary SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at
Dunlin (Calidris alpina schinzii)		No	No	No	No	Yes			Yes	or near the surface', the following should be noted:
Waterfowl assemblage		No	No	No	No	Yes		Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
Tundra swan (Cygnus columbianus bewickii)		No	No	No	No	Yes	Yes		Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Gadwall (Anas strepera)		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Common redshank (Tringa totanus)		No	No	No	No	Yes			Yes	
Greater white-fronted goose (Anser albifrons albifrons) Common shelduck (Tadorna tadorna)		No No	No No	No No	No No	Yes Yes	Yes Yes	Yes Yes	Yes Yes	
		INU	INU	NU	INU	ies	ies	Tes	Tes	
Severn Estuary/Môr Hafren SAC Sandbanks which are slightly covered by sea water all the time	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Estuaries		Yes	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to result in
Mudflats and sandflats not covered by seawater at low tide		Yes	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Reefs		Yes	No	No	No	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Sea lamprey (Petromyzon marinus)		No	No	No	No	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		No	No	No	No	Yes	Yes	Yes	Yes	
Twaite shad (Alosa fallax)		No	No	No	No	Yes	Yes	Yes	Yes	

Assessment of Effects on										
Relevant European Sites										
•	Is Euro. site		Can S	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	activity is withi	in European s	site?	lf a	ctivity is outsid	le European s	site?	-
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Exmoor and Quantock Oakwoods SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Old sessile oak woods with Ilex and Blechnum in the British Isles		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Barbastelle (Barbastella barbastellus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bechstein`s bat (Myotis bechsteini)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Mendip Limestone Grasslands SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Caves not open to the public		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Tilio-Acerion forests of slopes, screes and ravines		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Greater horseshoe bat (Rhinolophus ferrumequinum)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Somerset Levels & Moors Ramsar, Somerset Levels and Moors SPA, Severn Estuary SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Severn Estuary/Môr Hafren SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are North Somerset and Mendip Bats SAC, Mendip Limestone Grasslands SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Severn Estuary Ramsar, Somerset Levels & Moors Ramsar, Somerset Levels and Moors SPA, Severn Estuary SPA, Severn Estuary/Môr Hafren SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on										
Relevant European Sites										
	ls Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
10km)	WILIIII DIOCK?	lf a	ctivity is withi	n European s	ite?	lf a	ctivity is outsid	de European s	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Criterion 5 - regularly supports 20,000 or more waterbirds	V	No	No	No	No	Yes	Yes	Yes		This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		Yes	No	No	No	Yes	Yes	Yes	Yes	 - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path		Yes	No	No	No	Yes	Yes	Yes	Yes	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site		Can	Stage A, B, C	or D activiti	es be carried	d out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	activity is with	in European s	site?	lf a	activity is outsi	de European	site?	4
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
Somerset Levels & Moors Ramsar	No		•	•		•	•	•	•	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 5 - regularly supports 20,000 or more waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	,	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Somerset Levels and Moors SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Tundra swan (Cygnus columbianus bewickii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Northern lapwing (Vanellus vanellus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian teal (Anas crecca)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Severn Estuary SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Dunlin (Calidris alpina schinzii)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a
Waterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Tundra swan (Cygnus columbianus bewickii)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
Gadwall (Anas strepera)		No	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Common redshank (Tringa totanus)		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Greater white-fronted goose (Anser albifrons albifrons)		No	No	No	No	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		No	No	No	No	Yes	Yes	Yes	Yes	
	Vee						100	100		This site is present within the license black. Glass A. D. C. and D. astivities undertaken at death (or the
Severn Estuary/Môr Hafren SAC Sandbanks which are slightly covered by sea water all the time	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Estuaries		Yes	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
Mudflats and sandflats not covered by seawater at low tide		Yes	No	No	No	Yes	Yes	Yes	Yes	 for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Reefs		Yes	No	No	No	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae))	Yes	No	No	No	Yes	Yes	Yes	Yes	
Sea lamprey (Petromyzon marinus)		No	No	No	No	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		No	No	No	No	Yes	Yes	Yes	Yes	
Twaite shad (Alosa fallax)		No	No	No	No	Yes	Yes	Yes	Yes	
North Somerset and Mendip Bats SAC Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	Νο	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Caves not open to the public		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Tilio-Acerion forests of slopes, screes and ravines		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Lesser horseshoe bat (Rhinolophus hipposideros)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Greater horseshoe bat (Rhinolophus ferrumequinum)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
European dry heaths		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		Yes	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Caves not open to the public		Yes	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Tilio-Acerion forests of slopes, screes and ravines		Yes	No	No	No	Yes	Yes	Yes	Yes	
Greater horseshoe bat (Rhinolophus ferrumequinum)		No	No	No	No	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Somerset Levels & Moors Ramsar, Somerset Levels and Moors SPA, Severn Estuary SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Severn Estuary/Môr Hafren SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are North Somerset and Mendip Bats SAC, Mendip Limestone Grasslands SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Severn Estuary Ramsar, Somerset Levels & Moors Ramsar, Somerset Levels and Moors SPA, Severn Estuary SPA, Severn Estuary/Môr Hafren SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on										
Relevant European Sites Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
10km)		lf a	ctivity is withi	n European s	ite?	lf ac	ctivity is outsid	le European s	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Assessment of Effects on												
Relevant European Sites												
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can	Stage A, B, C	c or D activiti	es be carried	l out without		Notes			
10km)	WILIIIII DIOCK?	lf a	activity is with	in European :	site?	lf a	ctivity is outsi	de European	site?	1		
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	-		
Severn Estuary Ramsar	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that		
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a or near the surface', the following should be noted:		
Criterion 5 - regularly supports 20,000 or more waterbirds	3	No	No	No	No	Yes	Yes	Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). 		
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	 - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted. 		
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	Yes			
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path	1	Yes	No	No	No	Yes	Yes	Yes	Yes			
Somerset Levels & Moors Ramsar	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that		
Criterion 5 - regularly supports 20,000 or more waterbirds	3	No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a or near the surface', the following should be noted:		
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	1	Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted. 		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	Yes			
Somerset Levels and Moors SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that		
Tundra swan (Cygnus columbianus bewickii)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a		
Northern lapwing (Vanellus vanellus)		No	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in		
European golden plover (Pluvialis apricaria)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).		
Eurasian teal (Anas crecca)		No	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the		
Waterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.		
Severn Estuary SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that		
Dunlin (Calidris alpina schinzii)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a or near the surface', the following should be noted:		
Waterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to result in		
Tundra swan (Cygnus columbianus bewickii)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the		
Gadwall (Anas strepera)		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.		
Common redshank (Tringa totanus)		No	No	No	No	Yes	Yes	Yes	Yes			
Greater white-fronted goose (Anser albifrons albifrons)		No	No	No	No	Yes	Yes	Yes	Yes			
Common shelduck (Tadorna tadorna)		No	No	No	No	Yes	Yes	Yes	Yes			
Severn Estuary/Môr Hafren SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a		
Sandbanks which are slightly covered by sea water all the time		Yes	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in		
Estuaries		Yes	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).		
Mudflats and sandflats not covered by seawater at low tide		Yes	No	No	No	Yes	Yes	Yes	Yes	 - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted. 		
Reefs		Yes	No	No	No	Yes	Yes	Yes	Yes			
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	Yes	No	No	No	Yes	Yes	Yes	Yes			
Sea lamprey (Petromyzon marinus)		No	No	No	No	Yes	Yes	Yes	Yes			
River lamprey (Lampetra fluviatilis)		No	No	No	No	Yes	Yes	Yes	Yes			
								100	100			

Relevant European Sites										
Designated Sites and Interest Features	Is Euro. site within block?		Can	Stage A, B, C	cor D activiti	ies be carriec	l out without	AEOI?		Notes
10km)	Willin Diock!	lf a	activity is with	in European :	site?	lf a	activity is outs	de European	site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
Mendip Woodlands SAC	No	•	•	•				1	•	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Tilio-Acerion forests of slopes, screes and ravines		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
North Somerset and Mendip Bats SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie:
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Caves not open to the public		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Tilio-Acerion forests of slopes, screes and ravines		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Lesser horseshoe bat (Rhinolophus hipposideros)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Greater horseshoe bat (Rhinolophus ferrumequinum)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Mendip Limestone Grasslands SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Caves not open to the public		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Tilio-Acerion forests of slopes, screes and ravines		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Greater horseshoe bat (Rhinolophus ferrumequinum)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Somerset Levels & Moors Ramsar, Somerset Levels and Moors SPA, Severn Estuary SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Severn Estuary/Môr Hafren SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are North Somerset and Mendip Bats SAC, Mendip Limestone Grasslands SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Severn Estuary Ramsar, Somerset Levels & Moors Ramsar, Somerset Levels and Moors SPA, Severn Estuary SPA, Severn Estuary/Môr Hafren SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on										
Relevant European Sites Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
10km)		lf a	ctivity is withi	n European s	ite?	lf ac	ctivity is outsid	le European s	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site	1	Can S	Stage A. B. C	or D activitie	es be carried	out without	AEOI?		Notes
(present within the Licence Block or within	within block?			• • •						
10km)		lf é	activity is withi	n European s	site?	lf a	ctivity is outsid	le European s	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Severn Estuary Ramsar	Yes			1						This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Criterion 5 - regularly supports 20,000 or more waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		Yes	No	No	No	Yes	Yes	Yes	Yes	
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path		Yes	No	No	No	Yes	Yes	Yes	Yes	
Somerset Levels & Moors Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 5 - regularly supports 20,000 or more waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Somerset Levels and Moors SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Tundra swan (Cygnus columbianus bewickii)		n/a	n/a	n/a	n/a	Yes			Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Northern lapwing (Vanellus vanellus)		n/a	n/a	n/a	n/a	Yes			Yes	(above) should be noted.
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian teal (Anas crecca)		n/a	n/a	n/a	n/a	Yes		Yes	Yes	
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Severn Estuary SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at
Dunlin (Calidris alpina schinzii)		No	No	No	No	Yes			Yes	or near the surface', the following should be noted:
Waterfowl assemblage		No	No	No	No	Yes		Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
Tundra swan (Cygnus columbianus bewickii)		No	No	No	No	Yes	Yes		Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Gadwall (Anas strepera)		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Common redshank (Tringa totanus)		No	No	No	No	Yes			Yes	
Greater white-fronted goose (Anser albifrons albifrons) Common shelduck (Tadorna tadorna)		No No	No No	No No	No No	Yes Yes	Yes Yes	Yes Yes	Yes Yes	
		INU	INU	NU	INU	ies	ies	Tes	Tes	
Severn Estuary/Môr Hafren SAC Sandbanks which are slightly covered by sea water all the time	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Estuaries		Yes	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to result in
Mudflats and sandflats not covered by seawater at low tide		Yes	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Reefs		Yes	No	No	No	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Sea lamprey (Petromyzon marinus)		No	No	No	No	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		No	No	No	No	Yes	Yes	Yes	Yes	
Twaite shad (Alosa fallax)		No	No	No	No	Yes	Yes	Yes	Yes	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can	Stage A, B, C	C or D activiti	ies be carried	l out without	AEOI?		Notes
10km)		lf a	activity is with	in European	site?	lf a	ctivity is outs	ide European	site?]
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Mendip Woodlands SAC	No					1				This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Tilio-Acerion forests of slopes, screes and ravines		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
North Somerset and Mendip Bats SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities ' or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
Caves not open to the public		Yes	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Tilio-Acerion forests of slopes, screes and ravines		Yes	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Lesser horseshoe bat (Rhinolophus hipposideros)		No	No	No	No	Yes	Yes	Yes	Yes	
Greater horseshoe bat (Rhinolophus ferrumequinum)		No	No	No	No	Yes	Yes	Yes	Yes	
Mendip Limestone Grasslands SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
European dry heaths		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a or near the surface', the following should be noted:
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Caves not open to the public		Yes	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Tilio-Acerion forests of slopes, screes and ravines		Yes	No	No	No	Yes	Yes	Yes	Yes	
Greater horseshoe bat (Rhinolophus ferrumequinum)		No	No	No	No	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Severn Estuary SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Severn Estuary/Môr Hafren SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are North Somerset and Mendip Bats SAC, Mendip Limestone Grasslands SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are Severn Estuary Ramsar, Severn Estuary SPA, Severn Estuary/Môr Hafren SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	tage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
10km)		lf a	ctivity is withi	n European s	ite?	lf ac	tivity is outsid	le European s	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Assessment of Effects on										
··· ·	ls Euro. site		Can	Stage A, B, C	or D activitie	es be carried	l out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	activity is with	in European s	ite?	lf a	ctivity is outsid	de European :	site?	-
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	-
Severn Estuary Ramsar	Yes			l						This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Criterion 5 - regularly supports 20,000 or more waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge		Yes	No	No	No	Yes	Yes	Yes	Yes	
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path		Yes	No	No	No	Yes	Yes	Yes	Yes	
Severn Estuary SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Dunlin (Calidris alpina schinzii)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at
Waterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Tundra swan (Cygnus columbianus bewickii)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
Gadwall (Anas strepera)		No	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Common redshank (Tringa totanus)		No	No	No	No	Yes	Yes	Yes	Yes	licence section (above) should be noted.
Greater white-fronted goose (Anser albifrons albifrons)		No	No	No	No	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		No	No	No	No	Yes	Yes	Yes	Yes	
	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Sandbanks which are slightly covered by sea water all the time	163	Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Estuaries		Yes	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
Mudflats and sandflats not covered by seawater at low tide		Yes	No	No	No	Yes	Yes	Yes	Yes	ALCI a see Containing proposed for the fuence (above). For activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Reefs		Yes	No	No	No	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Sea lamprey (Petromyzon marinus)		No	No	No	No	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		No	No	No	No	Yes	Yes	Yes	Yes	
Twaite shad (Alosa fallax)		No	No	No	No	Yes	Yes	Yes	Yes	
Mendip Woodlands SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Tilio-Acerion forests of slopes, screes and ravines		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
North Somerset and Mendip Bats SAC	No									This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Caves not open to the public		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Tilio-Acerion forests of slopes, screes and ravines		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Lesser horseshoe bat (Rhinolophus hipposideros)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Greater horseshoe bat (Rhinolophus ferrumequinum)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Designated Sites and Interest Features present within the Licence Block or within	Is Euro. site within block?			Stage A, B, C		es be carried	l out without	AEOI?		Notes
10km)		lf a	activity is with	in European s	site?	lf a	ctivity is outs	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Iendip Limestone Grasslands SAC	No		•	<u>.</u>		•		•	•	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activiti
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important rrchid sites)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Caves not open to the public		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ilio-Acerion forests of slopes, screes and ravines		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Greater horseshoe bat (Rhinolophus ferrumequinum)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in certain sites in which Stage A activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Salisbury Plain SPA, River Avon SAC.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Salisbury Plain SPA.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Avon SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Mells Valley SAC, Chilmark Quarries SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Salisbury Plain SPA, River Avon SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
10km)		lf e	activity is withi	n European s	site?	lf a	ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Salisbury Plain SPA	Yes			•	•					This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Eurasian hobby (Falco subbuteo)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a or near the surface', the following should be noted:
Common quail (Coturnix coturnix)		No	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to result in
Stone-curlew (Burhinus oedicnemus)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
Hen harrier (Circus cyaneus)		No	No	No	No	Yes	Yes	Yes	Yes	 - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Mells Valley SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Caves not open to the public		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Greater horseshoe bat (Rhinolophus ferrumequinum)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site		Can	Stage A, B, C	c or D activiti	es be carried	d out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	activity is with	nin European	site?	lf a	activity is outs	ide European	site?	-
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
Salisbury Plain SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Juniperus communis formations on heaths or calcareous grasslands		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities ' or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		Yes	No	No	No	Yes	Yes	Yes	Yes	 see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Marsh fritillary butterfly (Euphydryas (Eurodryas, Hypodryas) aurinia)		Yes	No	No	No	Yes	Yes	Yes	Yes	
River Avon SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so tha
Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities or near the surface, the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Desmoulin`s whorl snail (Vertigo moulinsiana)		Yes	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Sea lamprey (Petromyzon marinus)		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Brook lamprey (Lampetra planeri)		No	No	No	No	Yes	Yes	Yes	Yes	
Atlantic salmon (Salmo salar)		No	No	No	No	Yes	Yes	Yes	Yes	
Bullhead (Cottus gobio)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Chilmark Quarries SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Lesser horseshoe bat (Rhinolophus hipposideros)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Greater horseshoe bat (Rhinolophus ferrumequinum)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Barbastelle (Barbastella barbastellus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bechstein`s bat (Myotis bechsteini)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Mendip Woodlands SAC Tilio-Acerion forests of slopes, screes and ravines	Νο	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in certain sites in which Stage A activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Salisbury Plain SPA.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Salisbury Plain SPA.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Avon SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Bath and Bradford-on-Avon Bats SAC, Mells Valley SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are Salisbury Plain SPA, River Avon SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes					
		lf é	activity is withi	n European s	ite?	lfa	ctivity is outsi	de European	site?						
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D						
Salisbury Plain SPA	Yes	•						-		This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that					
Eurasian hobby (Falco subbuteo)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a or near the surface', the following should be noted:					
Common quail (Coturnix coturnix)		No	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to result in					
Stone-curlew (Burhinus oedicnemus)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).					
Hen harrier (Circus cyaneus)		No	No	No	No	Yes	Yes	Yes	Yes	 - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted. 					
Bath and Bradford-on-Avon Bats SAC	No									This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D					
Lesser horseshoe bat (Rhinolophus hipposideros)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence'					
Greater horseshoe bat (Rhinolophus ferrumequinum)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	section (above) should be noted.					
Bechstein`s bat (Myotis bechsteini)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes						

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features	Is Euro. site		Can	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	activity is with	in European s	site?	lf a	ctivity is outsi	de European	site?	-
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Mells Valley SAC	No							·		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Caves not open to the public		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Greater horseshoe bat (Rhinolophus ferrumequinum)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Salisbury Plain SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Juniperus communis formations on heaths or calcareous grasslands		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEO
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AEO see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Marsh fritillary butterfly (Euphydryas (Eurodryas, Hypodryas) aurinia)		Yes	No	No	No	Yes	Yes	Yes	Yes	
River Avon SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Desmoulin`s whorl snail (Vertigo moulinsiana)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Brook lamprey (Lampetra planeri)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic salmon (Salmo salar)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bullhead (Cottus gobio)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Mendip Woodlands SAC Tilio-Acerion forests of slopes, screes and ravines	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in certain sites in which Stage A activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Salisbury Plain SPA, River Avon SAC.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Salisbury Plain SPA.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Avon SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Chilmark Quarries SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are Salisbury Plain SPA, River Avon SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site		Can S	tage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
(present within the Licence Block or within	within block?					•				
10km)		lf a	ctivity is withii	n European si	ite?	lf ac	ctivity is outsid	le European s	site?	
					-					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site		Can S	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	activity is with	in European s	ite?	lf a	ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Salisbury Plain SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Eurasian hobby (Falco subbuteo)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a or near the surface', the following should be noted:
Common quail (Coturnix coturnix)		No	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to result in
Stone-curlew (Burhinus oedicnemus)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
Hen harrier (Circus cyaneus)		No	No	No	No	Yes	Yes	Yes	Yes	 - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Salisbury Plain SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Juniperus communis formations on heaths or calcareous grasslands		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities ' or near the surface', the following should be noted:
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AEOI see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Marsh fritillary butterfly (Euphydryas (Eurodryas, Hypodryas) aurinia)		Yes	No	No	No	Yes	Yes	Yes	Yes	
River Avon SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities ' or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI. and Vendities are supported (show liser and show likely to result in AEOI.
Desmoulin`s whorl snail (Vertigo moulinsiana)		Yes	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Sea lamprey (Petromyzon marinus)		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Brook lamprey (Lampetra planeri)		No	No	No	No	Yes	Yes	Yes	Yes	
Atlantic salmon (Salmo salar)		No	No	No	No	Yes	Yes	Yes	Yes	
Bullhead (Cottus gobio)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Chilmark Quarries SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Lesser horseshoe bat (Rhinolophus hipposideros)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Greater horseshoe bat (Rhinolophus ferrumequinum)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Barbastelle (Barbastella barbastellus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bechstein's bat (Myotis bechsteini)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Salisbury Plain SPA.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Salisbury Plain SPA.

Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Avon SAC.

Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Salisbury Plain SPA, River Avon SAC.

More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link; http://incc.defra.gov.uk/page-4

The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Relevant European Sites Designated Sites and Interest Features ls Euro, site Can Stage A, B, C or D activities be carried out without AEOI? Notes present within the Licence Block or within within block? If activity is within European site? If activity is outside European site? 10km) Stage D Stage D Stage A Stage B Stage C Stage A Stage B Stage C Salisbury Plain SPA Yes This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a Eurasian hobby (Falco subbuteo) No No No No Yes Yes Yes Yes or near the surface', the following should be noted: Common quail (Coturnix coturnix) No No No No Yes Yes Yes Yes - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI - see 'Conditions proposed for the licence' (above). Stone-curlew (Burhinus oedicnemus) No No No No Yes Yes Yes Yes - for activities occurring outside the boundary of the European site, the 'Advice proposed with the Hen harrier (Circus cyaneus) No No No No Yes Yes Yes Yes licence' section (above) should be noted. This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that Salisbury Plain SAC Yes effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a Juniperus communis formations on heaths or calcareous No Yes Yes Yes No No Yes Yes or near the surface', the following should be noted: grasslands - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI -Semi-natural dry grasslands and scrubland facies on Yes No No No Yes Yes Yes Yes see 'Conditions proposed for the licence' (above). calcareous substrates (Festuco-Brometalia) (* important - for activities occurring outside the boundary of the European site, the 'Advice proposed with the orchid sites) licence' section (above) should be noted. Marsh fritillary butterfly (Euphydryas (Eurodryas, Yes No No No Yes Yes Yes Yes Hypodryas) aurinia)

Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
10km)		lf a	activity is with	in European s	ite?	lf a	ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
River Avon SAC	No	•	•			•	•	•		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Nater courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion regetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Desmoulin`s whorl snail (Vertigo moulinsiana)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Brook lamprey (Lampetra planeri)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic salmon (Salmo salar)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bullhead (Cottus gobio)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Porton Down SPA, Salisbury Plain SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Porton Down SPA, Salisbury Plain SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on										
Relevant European Sites Designated Sites and Interest Features	ls Euro. site		Can Sta	ge A, B, C o	r D activitie	s be carried	l out withou	t AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf ac	tivity is withii	n European s	site?	If act	ivity is outsic	le European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Accession of Effects on										
Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	Is Euro. site		Can Sta	ige A, B, C c	or D activitie	ies be carried	d out withou	ut AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	If ac	activity is withi	in European	site?	If act	ivity is outsi	ide European	n site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Porton Down SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Stone-curlew (Burhinus oedicnemus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Salisbury Plain SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Eurasian hobby (Falco subbuteo)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
Common quail (Coturnix coturnix)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
Stone-curlew (Burhinus oedicnemus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Hen harrier (Circus cyaneus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Salisbury Plain SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Juniperus communis formations on heaths or calcareous grasslands		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
Marsh fritillary butterfly (Euphydryas (Eurodryas, Hypodryas) aurinia)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Itchen SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Itchen SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are River Itchen SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or	ls Euro. site within		Can Sta	ge A, B, C o	r D activitie	s be carried	l out withou	t AEOI?		Notes
within 10km)	block?	If ac	tivity is withir	n European s	site?	If act	ivity is outsic	le European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site within block?	lf ac	Can Stag		or D activitie site?		d out withou tivity is outsid			Notes
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
River Itchen SAC Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation			n/a	n/a	n/a		Yes	Yes	165	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Southern damselfly (Coenagrion mercuriale) White-clawed (or Atlantic stream) crayfish (Austropotamobius pallipes) Brook lamprey (Lampetra planeri)		n/a	n/a n/a n/a	n/a	n/a n/a n/a	Yes	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	
Atlantic salmon (Salmo salar) Bullhead (Cottus gobio) Otter (Lutra lutra)		n/a	n/a n/a n/a	n/a n/a n/a	n/a n/a n/a	Yes	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	

Licence block: SU81c

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Singleton and Cocking Tunnels SAC.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Chichester and Langstone Harbour Ramsar, Chichester and Langstone Harbours SPA, Wealden Heaths Phase 2 SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Chichester and Langstone Harbour Ramsar, Solent Maritime SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Ebernoe Common SAC, Singleton and Cocking Tunnels SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are Chichester and Langstone Harbour Ramsar, Chichester and Langstone Harbours SPA, Wealden Heaths Phase 2 SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site		Can S	tage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
(present within the Licence Block or within	within block?									
10km)		lf a	ctivity is withii	n European si	ite?	lf ac	ctivity is outsic	le European s	site?	
					-					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	ls Euro. site within block?		Can	Stage A, B, C	or D activitie	es be carried	l out without	AEOI?		Notes
10km)		lf é	activity is with	in European s	site?	lf a	activity is outsi	de European :	site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Chichester and Langstone Harbour Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 1 - sites containing representative, rare or unique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 5 - regularly supports 20,000 or more waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Chichester and Langstone Harbours SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Little tern (Sterna albifrons)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Common tern (Sterna hirundo)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Sandwich tern (Sterna sandvicensis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ruddy turnstone (Arenaria interpres)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey plover (Pluvialis squatarola)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bar-tailed godwit (Limosa lapponica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian curlew (Numenius arquata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sanderling (Calidris alba)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern shoveler (Anas clypeata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Red-breasted merganser (Mergus serrator)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Light-bellied brent goose (Branta bernicla hrota)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern pintail (Anas acuta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian teal (Anas crecca)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian wigeon (Anas penelope)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
· · ·	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
European nightjar (Caprimulgus europaeus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Wood lark (Lullula arborea)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Dartford warbler (Sylvia undata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Ebernoe Common SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Atlantic acidophilous beech forests with llex and sometimes also Taxus in the shrublayer (Quercion robori- petraeae or Ilici-Fagenion)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Barbastelle (Barbastella barbastellus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bechstein`s bat (Myotis bechsteini)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
East Hampshire Hangers SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Asperulo-Fagetum beech forests		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Tilio-Acerion forests of slopes, screes and ravines		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Taxus baccata woods of the British Isles		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Early gentian (Gentianella anglica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Assessment of Effects on										
Relevant European Sites Designated Sites and Interest Features	ls Euro, site	1	Can	Stamo A B C	or D activiti	es be carried	outwithout	AE0/2		Notes
present within the Licence Block or within	within block?		Can s	Бауе А, Б, С	or D activiti	es de carrieu	outwittout	AEUI?		
10km)		lf a	activity is withi	in European s	site?	lf a	ctivity is outsi	de European :	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Kingley Vale SAC	Yes	1		1				1	1	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so the second s
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activitie or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AE
Taxus baccata woods of the British Isles		Yes	No	No	No	Yes	Yes	Yes	Yes	see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Rook Clift SAC	Yes									This site is accord, within the linear black. Charge A. D. C. and D. asticities undertaken at death (as)
Tilio-Acerion forests of slopes, screes and ravines	165	Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so the effects do not register at surface) are not considered likely to result in AEOI. With regard to activities or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEO see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Solent Maritime SAC	No	n/a	- 1-			Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activit undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Sandbanks which are slightly covered by sea water all the time			n/a	n/a	n/a					AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Estuaries		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Mudflats and sandflats not covered by seawater at low tide		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Coastal lagoons		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Annual vegetation of drift lines		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Perennial vegetation of stony banks		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and sand		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Spartina swards (Spartinion maritimae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae))	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Desmoulin`s whorl snail (Vertigo moulinsiana)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Butser Hill SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activity
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' sectio (above) should be noted.
Taxus baccata woods of the British Isles		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
10km)	WILIIII DIOCK?	If activity is within European site?			lf a	ctivity is outsi	de European	site?		
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Duncton to Bignor Escarpment SAC Asperulo-Fagetum beech forests	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Singleton and Cocking Tunnels SAC Barbastelle (Barbastella barbastellus) Bechstein's bat (Myotis bechsteini)		No No	No No	No No	No No	Yes Yes	Yes Yes	Yes Yes	Yes Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so the effects do not register at surface) are not considered likely to result in AEOI. With regard to activities or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.

Licence block: SU90a

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Arun Valley Ramsar, Chichester and Langstone Harbour Ramsar, Pagham Harbour Ramsar, Chichester and Langstone Harbours SPA, Pagham Harbour SPA, Arun Valley SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Chichester and Langstone Harbour Ramsar, Solent Maritime SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Singleton and Cocking Tunnels SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Arun Valley Ramsar, Chichester and Langstone Harbour Ramsar, Pagham Harbour Ramsar, Chichester and Langstone Harbour SPA, Pagham Harbour SPA, Arun Valley SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	tage A, B, C	or D activitie	s be carried	Notes			
10km)		lf a	ctivity is withi	n European s	ite?	lf ac	ctivity is outsid	le European s	ite?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

•	ls Euro. site within block?		Can	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
lokm)	within block?	lf á	activity is with	in European s	ite?	lf a	ctivity is outsi	de European	site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
Arun Valley Ramsar	No					•	1			This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activ
Criterion 2 - supports vulnerable, endangered, or critically and angered species or threatened eco. communities		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' sectio (above) should be noted.
Criterion 3 - supports populations of plant/animal species mportant for maintaining regional biodiversity		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 5 - regularly supports 20,000 or more waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
v	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activ undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Criterion 1 - sites containing representative, rare or inique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Criterion 6 - regularly supports 1% of the individuals in a opulation of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Criterion 5 - regularly supports 20,000 or more waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Pagham Harbour Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activ
Zriterion 6 - regularly supports 1% of the individuals in a opulation of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Chichester and Langstone Harbours SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activ
ittle tern (Sterna albifrons)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section and the licence' section and the licence' section and a surface section and a surface section and a surface section and a surface section and a surface section and a surface section and a surface section and a surface section a surface section
Common tern (Sterna hirundo)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Sandwich tern (Sterna sandvicensis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ruddy turnstone (Arenaria interpres)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Brey plover (Pluvialis squatarola)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
3ar-tailed godwit (Limosa lapponica) Eurasian curlew (Numenius arquata)		n/a	n/a n/a	n/a n/a	n/a	Yes Yes	Yes Yes	Yes Yes	Yes Yes	
common redshank (Tringa totanus)		n/a n/a	n/a n/a	n/a n/a	n/a n/a	Yes	Yes	Yes	Yes	
Sanderling (Calidris alba)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
lorthern shoveler (Anas clypeata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
/aterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ed-breasted merganser (Mergus serrator)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ight-bellied brent goose (Branta bernicla hrota)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
orthern pintail (Anas acuta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
urasian teal (Anas crecca)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian wigeon (Anas penelope)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Designated Sites and Interest Features present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activitie	es be carried	l out without	AEOI?		Notes
present within the Licence Block of Within 10km)	within block?	lf a	ctivity is with	in European s	site?	lf a	ctivity is outsi	de European :	site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
agham Harbour SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activit
Common tern (Sterna hirundo)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in
ittle tern (Sterna albifrons)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
ight-bellied brent goose (Branta bernicla hrota)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ruff (Philomachus pugnax)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Arun Valley SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activit
Vaterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Fundra swan (Cygnus columbianus bewickii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Kingley Vale SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activit
Semi-natural dry grasslands and scrubland facies on alcareous substrates (Festuco-Brometalia) (* important rochid sites)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
axus baccata woods of the British Isles		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Solent Maritime SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activit
Sandbanks which are slightly covered by sea water all he time		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Estuaries		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ludflats and sandflats not covered by seawater at low de		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Coastal lagoons		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
nnual vegetation of drift lines		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Perennial vegetation of stony banks		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and sand		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Spartina swards (Spartinion maritimae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
esmoulin`s whorl snail (Vertigo moulinsiana)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Duncton to Bignor Escarpment SAC Asperulo-Fagetum beech forests	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activit undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
ingleton and Cocking Tunnels SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activ
arbastelle (Barbastella barbastellus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	If a	Can S activity is withi			es be carried		AEOI? de European		Notes
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Arun Valley SAC Ramshorn snail (Anisus vorticulus)	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site its lits. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Dorset Heathlands SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Dorset Heathlands SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on Relevant European Sites													
J	ls Euro. site		Can Sta	ge A, B, C o	r D activitie	s be carried	l out withou	Notes					
(present within the Licence Block or	within			_	<i>(</i>) 0								
within 10km)	block?	If ac	tivity is withii	n European s	site?	If act	ivity is outsid	ity is outside European site?					
		Otama A	Otoma D	Oterra O	Otoma D	Otere A	Otara D	Oteres O	Otara D				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D				

Assessment of Effects on Relevant European Sites													
Designated Sites and Interest Features	ls Euro, site	1	Can Sta	ae A. B. C a	or D activitie	es be carried	d out withou	It AEOI?		Notes			
(present within the Licence Block or	within												
within 10km)	block?	If ac	ctivity is withi	n European	site?	IT ACT	tivity is outsid	ie European	SITE?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D				
Dorset Heathlands Ramsar	No		1							This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.			
Criterion 1 - sites containing representative, rare or		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes				
unique wetland types Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes				
Dorset Heathlands SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and I			
Hen harrier (Circus cyaneus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed			
Wood lark (Lullula arborea)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.			
European nightjar (Caprimulgus europaeus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes				
Merlin (Falco columbarius)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes				
Dartford warbler (Sylvia undata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes				
Dorset Heaths SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and I			
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed			
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.			
Molinia meadows on calcareous, peaty or clayey-silt-		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes				
laden soils (Molinion caeruleae) Depressions on peat substrates of the Rhynchosporion		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes				
Calcareous fens with Cladium mariscus and species of the Caricion davallianae Alkaline fens		n/a n/a	n/a n/a	n/a n/a	n/a n/a	Yes	Yes	Yes	Yes				
Old acidophilous oak woods with Quercus robur on		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes				
sandy plains		1.0	100	1.0	1.0								
Southern damselfly (Coenagrion mercuriale)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes				
Great crested newt (Triturus cristatus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes				
Cerne and Sydling Downs SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and I activities undertaken at depth (so that effects do not register at surface) are not considered			
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.			
Marsh fritillary butterfly (Euphydryas (Eurodryas, Marsh fritillary butterfly (Euphydryas (Eurodryas, Hypodryas) aurinia)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes				
Holnest SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and			
Great crested newt (Triturus cristatus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.			

Licence block: SY88d

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Dorset Heathlands SPA.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Poole Harbour Ramsar, Dorset Heathlands SPA, Poole Harbour SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Poole Harbour Ramsar, Isle of Portland to Studland Cliffs SAC, Dorset Heaths (Purbeck and Wareham) and Studland Dunes SAC, Studland to Portland SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are St Albans Head to Durlston Head SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Poole Harbour Ramsar, Dorset Heathlands SPA, Poole Harbour SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	tage A, B, C	or D activitie	es be carried	out without		Notes	
10km)		lf a	ctivity is withi	n European s	ite?	lf ac	ctivity is outsid	le European s	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site		Can S	Stage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
	within block?			-		16 -	- 45 - 54 - 5 - 5 - 54 - 5		- ::- 0	4
10km)		l It a	activity is withi	n European s	site?	lf a	ctivity is outsi	de European s	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D]
Dorset Heathlands Ramsar	Yes						1			This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity		Yes	No	No	No	Yes	Yes	Yes	Yes	
Poole Harbour Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) dependent of the surface of the
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 5 - regularly supports 20,000 or more waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 1 - sites containing representative, rare or unique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dorset Heathlands SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Hen harrier (Circus cyaneus)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Wood lark (Lullula arborea)		No	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to result in
European nightjar (Caprimulgus europaeus)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
Merlin (Falco columbarius)		No	No	No	No	Yes	Yes	Yes	Yes	 - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Dartford warbler (Sylvia undata)		No	No	No	No	Yes	Yes	Yes	Yes	
Poole Harbour SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Pied avocet (Recurvirostra avosetta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Mediterranean gull (Larus melanocephalus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common tern (Sterna hirundo)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		n/a	n/a	n/a	n/a	Yes	Yes		Yes	
Black-tailed godwit (Limosa limosa islandica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Northern Atlantic wet heaths with Erica tetralix		Yes	No	No	No	Yes	Yes		Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
European dry heaths		Yes	No	No	No	Yes	Yes		Yes	- Stage B, C and D activities within the European site boundary are considered likely to result in AEOI -
Molinia meadows on calcareous, peaty or clayey-silt- laden soils (Molinion caeruleae)		Yes	No	No	No	Yes	Yes		Yes	see 'Conditions proposed for the licence' (above) for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Depressions on peat substrates of the Rhynchosporion		Yes	No	No	No	Yes	Yes		Yes	
Calcareous fens with Cladium mariscus and species of the Caricion davallianae		Yes	No	No	No	Yes	Yes	Yes	Yes	
Alkaline fens		Yes	No	No	No	Yes	Yes	Yes	Yes	
Old acidophilous oak woods with Quercus robur on sandy plains		Yes	No	No	No	Yes	Yes	Yes	Yes	
Southern damselfly (Coenagrion mercuriale)		Yes	No	No	No	Yes	Yes		Yes	
Great crested newt (Triturus cristatus)		Yes	No	No	No	Yes	Yes	Yes	Yes	

Assessment of Effects on										
Relevant European Sites Designated Sites and Interest Features	ls Euro. site		Can	Stage A, B, C	or D activiti	ies be carried	out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	activity is with	in European s	site?	lf a	ctivity is outsid	le European :	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Isle of Portland to Studland Cliffs SAC	Yes	1	1	1			I	I	1	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Annual vegetation of drift lines		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities
Vegetated sea cliffs of the Atlantic and Baltic Coasts		Yes	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		Yes	No	No	No	Yes	Yes	Yes	Yes	see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Early gentian (Gentianella anglica)		Yes	No	No	No	Yes	Yes	Yes	Yes	
St Albans Head to Duriston Head SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Vegetated sea cliffs of the Atlantic and Baltic Coasts		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Greater horseshoe bat (Rhinolophus ferrumequinum)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Early gentian (Gentianella anglica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dorset Heaths (Purbeck and Wareham) and Studland Dunes SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Embryonic shifting dunes		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Atlantic decalcified fixed dunes (Calluno-Ulicetea)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Humid dune slacks		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Oligotrophic waters containing very few minerals of sandy plains (Littorelletalia uniflorae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Temperate Atlantic wet heaths with Erica ciliaris and Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Molinia meadows on calcareous, peaty or clayey-silt- laden soils (Molinion caeruleae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Depressions on peat substrates of the Rhynchosporion		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Calcareous fens with Cladium mariscus and species of the Caricion davallianae		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Alkaline fens		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Old acidophilous oak woods with Quercus robur on sandy plains		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bog woodland		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Southern damselfly (Coenagrion mercuriale)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Great crested newt (Triturus cristatus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Relevant European Sites Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	lf e		Stage A, B, C in European s				AEOI? ide European :		Notes
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Studiand to Portland SAC Reefs	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI-see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Dorset Heathlands SPA.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Poole Harbour Ramsar, Dorset Heathlands SPA, Poole Harbour SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Poole Harbour Ramsar, Isle of Portland to Studland Cliffs SAC, Dorset Heaths (Purbeck and Wareham) and Studland Dunes SAC, Studland to Portland SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Poole Harbour Ramsar, Dorset Heathlands SPA, Poole Harbour SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or	ls Euro. site within		Can Sta	ge A, B, C o	r D activitie	s be carried	l out withou	t AEOI?		Notes
within 10km)	block?	lf ac	tivity is withii	n European s	site?	If act	ivity is outsia	e European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site		Can Sta	age A, B, C	or D activitie	es be carrie	d out withou	It AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	If a	ctivity is with	in European	site?	lf ac	tivity is outsid	le European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Dorset Heathlands Ramsar	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at dep
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		Yes	No	No	No	Yes	Yes	Yes	Yes	 (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: Stage B, C and D activities within the European site boundary are considered likely to result
Criterion 1 - sites containing representative, rare or		Yes	No	No	No	Yes	Yes	Yes	Yes	in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed wit
unique wetland types Criterion 3 - supports populations of plant/animal species important for maintaining regional piodiversity		Yes	No	No	No	Yes	Yes	Yes	Yes	the licence' section (above) should be noted.
Poole Harbour Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and I
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 6 - regularly supports 1% of the individuals n a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 5 - regularly supports 20,000 or more waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 1 - sites containing representative, rare or unique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dorset Heathlands SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at dep
Hen harrier (Circus cyaneus)		No	No	No	No	Yes	Yes	Yes	Yes	(so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Nood lark (Lullula arborea)		No	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to
European nightjar (Caprimulgus europaeus)		No	No	No	No	Yes	Yes	Yes	Yes	result in AEOI - see 'Conditions proposed for the licence' (above).
Merlin (Falco columbarius)		No	No	No	No	Yes	Yes	Yes	Yes	 - for activities occurring outside the boundary of the European site, the 'Advice proposed wit the licence' section (above) should be noted.
Dartford warbler (Sylvia undata)		No	No	No	No	Yes	Yes	Yes	Yes	
Poole Harbour SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and I activities undertaken at doubt log that effects do not register at surface) are not accepted.
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
Pied avocet (Recurvirostra avosetta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
Mediterranean gull (Larus melanocephalus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common tern (Sterna hirundo)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Black-tailed godwit (Limosa limosa islandica)	N	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dorset Heaths SAC	Yes	Vee	Na	Ne	Na	Vaa	Vee	Vaa	Vee	This site is present within the licence block. Stage A, B, C and D activities undertaken at dep (so that effects do not register at surface) are not considered likely to result in AEOI. With
Northern Atlantic wet heaths with Erica tetralix		Yes	No	No	No	Yes	Yes	Yes	Yes	regard to activities 'at or near the surface', the following should be noted:
European dry heaths Molinia meadows on calcareous, peaty or clayey-silt		Yes Yes	No No	No No	No No	Yes Yes	Yes Yes	Yes Yes	Yes Yes	 Stage B, C and D activities within the European site boundary are considered likely to resul in AEOI – see 'Conditions proposed for the licence' (above).
aden soils (Molinion caeruleae) Depressions on peat substrates of the	-	Yes	No	No	No	Yes	Yes	Yes	Yes	 - for activities occurring outside the boundary of the European site, the 'Advice proposed wit the licence' section (above) should be noted.
Rhynchosporion Calcareous fens with Cladium mariscus and species		Yes	No	No	No	Yes	Yes	Yes	Yes	
of the Caricion davallianae Alkaline fens		Yes	No	No	No	Yes	Yes	Yes	Yes	
Old acidophilous oak woods with Quercus robur on sandy plains		Yes	No	No	No	Yes	Yes	Yes	Yes	
Southern damselfly (Coenagrion mercuriale)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Great crested newt (Triturus cristatus)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Isle of Portland to Studland Cliffs SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and I activities undertaken at depth (so that effects do not register at surface) are not considered
Annual vegetation of drift lines		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
Vegetated sea cliffs of the Atlantic and Baltic		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.

Coasts

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site		Can Sta	age A, B, C	or D activitie	es be carrie	d out witho	ut AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	If ac	ctivity is with	in European	site?	If ac	tivity is outsi	de Europear	n site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* mportant orchid sites)	-	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Early gentian (Gentianella anglica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dorset Heaths (Purbeck and Wareham) and Studland Dunes SAC	No	- 1-	- 1-	- 1-	- 1-	Mar	Maa	Maa	Maa	This site is outside the licence block, but less than 1km from the block boundary. Stage A, C and D activities undertaken at depth (so that effects do not register at surface) are not
Embryonic shifting dunes		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	considered likely to result in AEOI. With regard to activities at or near the surface, the 'Adv proposed with the licence' section (above) should be noted.
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic decalcified fixed dunes (Calluno-Ulicetea)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Humid dune slacks		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Digotrophic waters containing very few minerals of		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
sandy plains (Littorelletalia uniflorae) Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Temperate Atlantic wet heaths with Erica ciliaris and		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Erica tetralix European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Luropean dry nearns Molinia meadows on calcareous, peaty or clayey-silt-		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
aden soils (Molinion caeruleae)	-	11/d	11/d	11/d	11/a	165	165	165	165	
Depressions on peat substrates of the Rhynchosporion		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Calcareous fens with Cladium mariscus and species of the Caricion davallianae		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Alkaline fens		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Old acidophilous oak woods with Quercus robur on		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
sandy plains Bog woodland		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Southern damselfly (Coenagrion mercuriale)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Great crested newt (Triturus cristatus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Studland to Portland SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C an
Reefs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considere likely to result in AEOI. With regard to activities at or near the surface, the 'Advice propos with the licence' section (above) should be noted.

Licence block: SY97b

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited to Durlston Head SAC.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Poole Harbour Ramsar, Dorset Heathlands SPA, Poole Harbour SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Poole Harbour Ramsar, Isle of Portland to Studland Cliffs SAC, Dorset Heaths (Purbeck and Wareham) and Studland Dunes SAC, Studland to Portland SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are St Albans Head to Durlston Head SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Poole Harbour Ramsar, Dorset Heathlands SPA, Poole Harbour SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	tage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
10km)		lf a	ctivity is withi	n European s	ite?	lf ac	tivity is outsid	le European s	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site		Can S	Stage A, B, C	or D activiti	es be carried	l out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	activity is with	in European :	site?	lf a	ctivity is outsi	de European :	site?	-
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	-
Dorset Heathlands Ramsar	No									This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	,	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Poole Harbour Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	,	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 5 - regularly supports 20,000 or more waterbirds	;	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 1 - sites containing representative, rare or unique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dorset Heathlands SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Hen harrier (Circus cyaneus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Wood lark (Lullula arborea)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
European nightjar (Caprimulgus europaeus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Merlin (Falco columbarius)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dartford warbler (Sylvia undata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Poole Harbour SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Pied avocet (Recurvirostra avosetta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Mediterranean gull (Larus melanocephalus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common tern (Sterna hirundo)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Black-tailed godwit (Limosa limosa islandica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dorset Heaths SAC	No									This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and I
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Molinia meadows on calcareous, peaty or clayey-silt- laden soils (Molinion caeruleae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Depressions on peat substrates of the Rhynchosporion		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Calcareous fens with Cladium mariscus and species of he Caricion davallianae		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Alkaline fens		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Old acidophilous oak woods with Quercus robur on sandy plains		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Southern damselfly (Coenagrion mercuriale)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Great crested newt (Triturus cristatus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Assessment of Effects on													
Relevant European Sites Designated Sites and Interest Features	ls Euro. site		Can	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes			
(present within the Licence Block or within 10km)	within block?	lf a	activity is with					de European :	site?				
, , , , , , , , , , , , , , , , , , , ,		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	-			
Isle of Portland to Studland Cliffs SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so the			
Annual vegetation of drift lines		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities			
Vegetated sea cliffs of the Atlantic and Baltic Coasts		Yes	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEC			
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		Yes	No	No	No	Yes	Yes	Yes	Yes	 see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted. 			
Early gentian (Gentianella anglica)		Yes	No	No	No	Yes	Yes	Yes	Yes				
St Albans Head to Duriston Head SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so th			
Vegetated sea cliffs of the Atlantic and Baltic Coasts		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities			
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		Yes	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the			
Greater horseshoe bat (Rhinolophus ferrumequinum)		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.			
Early gentian (Gentianella anglica)		Yes	No	No	No	Yes	Yes	Yes	Yes				
Dorset Heaths (Purbeck and Wareham) and Studland Dunes SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie undertaken at depth (so that effects do not register at surface) are not considered likely to result in			
Embryonic shifting dunes		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section			
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.			
Atlantic decalcified fixed dunes (Calluno-Ulicetea)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes				
Humid dune slacks		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes				
Oligotrophic waters containing very few minerals of sandy plains (Littorelletalia uniflorae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes				
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes				
Temperate Atlantic wet heaths with Erica ciliaris and Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes				
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes				
Molinia meadows on calcareous, peaty or clayey-silt- laden soils (Molinion caeruleae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes				
Depressions on peat substrates of the Rhynchosporion		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes				
Calcareous fens with Cladium mariscus and species of the Caricion davallianae		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes				
Alkaline fens		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes				
Old acidophilous oak woods with Quercus robur on sandy plains		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes				
Bog woodland		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes				
Southern damselfly (Coenagrion mercuriale)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes				
Great crested newt (Triturus cristatus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes				

Relevant European Sites Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	lf e		Stage A, B, C in European s				AEOI? ide European :		Notes
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Studiand to Portland SAC Reefs	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI-see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Dorset Heathlands SPA.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Poole Harbour Ramsar, Dorset Heathlands SPA, Poole Harbour SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Poole Harbour Ramsar, Isle of Portland to Studland Cliffs SAC, Dorset Heaths (Purbeck and Wareham) and Studland Dunes SAC, Studland to Portland SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Poole Harbour Ramsar, Dorset Heathlands SPA, Poole Harbour SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or	ls Euro. site within		Can Sta	ge A, B, C o	r D activitie	s be carried	l out withou	t AEOI?		Notes
within 10km)	block?	If act	tivity is withir	n European s	site?	lf acti	ivity is outsia	e European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Designated Sites and Interest Features	Is Euro. site		Can Sta	age A, B, C	or D activitie	es be carrie	ed out witho	ut AEOI?		Notes
present within the Licence Block or vithin 10km)	within block?	lf a	ctivity is with	in European	site?	lf ac	ctivity is outs	de European	n site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
orset Heathlands Ramsar	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at d
Criterion 2 - supports vulnerable, endangered, or ritically endangered species or threatened eco.		Yes	No	No	No	Yes	Yes	Yes	Yes	 (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: Stage B, C and D activities within the European site boundary are considered likely to result and the surface is a surface in the surface in the surface is a surface in the surface in the surface is a surface in the surface in the surface in the surface is a surface in the surface in the
ommunities Criterion 1 - sites containing representative, rare or nique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed
Criterion 3 - supports populations of plant/animal pecies important for maintaining regional		Yes	No	No	No	Yes	Yes	Yes	Yes	the licence' section (above) should be noted.
viodiversity										
Poole Harbour Ramsar Criterion 3 - supports populations of plant/animal pecies important for maintaining regional iodiversity	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, but less than 1km from the block boundary. Stage A, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Ad proposed with the licence' section (above) should be noted.
riterion 2 - supports vulnerable, endangered, or ritically endangered species or threatened eco. ommunities		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
riterion 6 - regularly supports 1% of the individuals a population of one species/subspecies of vaterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 5 - regularly supports 20,000 or more vaterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 1 - sites containing representative, rare or nique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
orset Heathlands SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at
en harrier (Circus cyaneus)		No	No	No	No	Yes	Yes	Yes	Yes	(so that effects do not register at surface) are not considered likely to result in AEOI. Wit
Vood lark (Lullula arborea)		No	No	No	No	Yes	Yes	Yes	Yes	regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to
uropean nightjar (Caprimulgus europaeus)		No	No	No	No	Yes	Yes	Yes	Yes	result in AEOI – see 'Conditions proposed for the licence' (above).
lerlin (Falco columbarius)		No	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed
Partford warbler (Sylvia undata)		No	No	No	No	Yes	Yes	Yes	Yes	the licence' section (above) should be noted.
Poole Harbour SPA	No									This site is outside the licence block, but less than 1km from the block boundary. Stage A
Vaterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Au
ied avocet (Recurvirostra avosetta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	proposed with the licence' section (above) should be noted.
lediterranean gull (Larus melanocephalus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
common tern (Sterna hirundo)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
lack-tailed godwit (Limosa limosa islandica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Porset Heaths SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at a
lorthern Atlantic wet heaths with Erica tetralix		Yes	No	No	No	Yes	Yes	Yes	Yes	(so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
European dry heaths		Yes	No	No	No	Yes	Yes	Yes	Yes	- Stage B, C and D activities within the European site boundary are considered likely to re
Iolinia meadows on calcareous, peaty or clayey-silt aden soils (Molinion caeruleae) repressions on peat substrates of the	-	Yes	No No	No No	No No	Yes Yes	Yes Yes	Yes Yes	Yes Yes	 in AEOI – see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed the licence' section (above) should be noted.
hynchosporion alcareous fens with Cladium mariscus and species		Yes Yes	No	No	No	Yes	Yes	Yes	Yes	
f the Caricion davallianae Ikaline fens		Yes	No	No	No	Yes	Yes	Yes	Yes	
Id acidophilous oak woods with Quercus robur on andy plains		Yes	No	No	No	Yes	Yes	Yes	Yes	
outhern damselfly (Coenagrion mercuriale)		Yes	No	No	No	Yes	Yes	Yes	Yes	
reat crested newt (Triturus cristatus)		Yes	No	No	No	Yes	Yes	Yes	Yes	
sle of Portland to Studland Cliffs SAC	No									This site is outside the licence block, but less than 1km from the block boundary. Stage A C and D activities undertaken at depth (so that effects do not register at surface) are not
nnual vegetation of drift lines		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	considered likely to result in AEOI. With regard to activities at or near the surface, the 'A
egetated sea cliffs of the Atlantic and Baltic		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	proposed with the licence' section (above) should be noted.

Coasts

0	ls Euro. site		Can Sta	ge A, B, C d	or D activitie	es be carrie	d out witho	ut AEOI?		Notes
	within block?	lf ac	ctivity is withi	n European	site?	lf ac	tivity is outsi	de European	site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
Semi-natural dry grasslands and scrubland facies		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
n calcareous substrates (Festuco-Brometalia) (*										
arly gentian (Gentianella anglica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
t Albans Head to Duriston Head SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and
egetated sea cliffs of the Atlantic and Baltic oasts		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice propose
emi-natural dry grasslands and scrubland facies n calcareous substrates (Festuco-Brometalia) (*		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
nportant orchid sites) reater horseshoe bat (Rhinolophus		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
errumequinum) arly gentian (Gentianella anglica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
orset Heaths (Purbeck and Wareham) and	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at de
tudland Dunes SAC mbryonic shifting dunes		Yes	No	No	No	Yes	Yes	Yes	Yes	(so that effects do not register at surface) are not considered likely to result in AEOI. With
hifting dunes along the shoreline with Ammophila		Yes	No	No	No	Yes	Yes	Yes	Yes	regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to resi in AEOI – see 'Conditions proposed for the licence' (above).
renaria ("white dunes")		res	NO	INU	INU	res	res	res	res	
tlantic decalcified fixed dunes (Calluno-Ulicetea)		Yes	No	No	No	Yes	Yes	Yes	Yes	 - for activities occurring outside the boundary of the European site, the 'Advice proposed v the licence' section (above) should be noted.
lumid dune slacks		Yes	No	No	No	Yes	Yes	Yes	Yes	
ligotrophic waters containing very few minerals of andy plains (Littorelletalia uniflorae)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Iorthern Atlantic wet heaths with Erica tetralix		Yes	No	No	No	Yes	Yes	Yes	Yes	
emperate Atlantic wet heaths with Erica ciliaris and rica tetralix		Yes	No	No	No	Yes	Yes	Yes	Yes	
uropean dry heaths		Yes	No	No	No	Yes	Yes	Yes	Yes	
lolinia meadows on calcareous, peaty or clayey-silt- den soils (Molinion caeruleae)		Yes	No	No	No	Yes	Yes	Yes	Yes	
epressions on peat substrates of the hynchosporion		Yes	No	No	No	Yes	Yes	Yes	Yes	
alcareous fens with Cladium mariscus and species f the Caricion davallianae		Yes	No	No	No	Yes	Yes	Yes	Yes	
Ikaline fens		Yes	No	No	No	Yes	Yes	Yes	Yes	
Id acidophilous oak woods with Quercus robur on and plains		Yes	No	No	No	Yes	Yes	Yes	Yes	
log woodland		Yes	No	No	No	Yes	Yes	Yes	Yes	
outhern damselfly (Coenagrion mercuriale)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Great crested newt (Triturus cristatus)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Studland to Portland SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and
Reefs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice propose with the licence' section (above) should be noted.

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Poole Harbour Ramsar, Dorset Heathlands SPA, Poole Harbour SPA.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Poole Harbour Ramsar, Dorset Heathlands SPA, Poole Harbour SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Poole Harbour Ramsar, Isle of Portland to Studland Cliffs SAC, Dorset Heaths (Purbeck and Wareham) and Studland Dunes SAC, Studland to Portland SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration affects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Poole Harbour Ramsar, Dorset Heathlands SPA, Poole Harbour SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	tage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
 10km)		lf a	ctivity is withi	n European s	ite?	lf ac	ctivity is outsid	le European s	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site	I	Can	Stage A B C	or D activitie	es he carrier	l out without			Notes
(present within the Licence Block or within	within block?		Guilt	nage A, D, C				ALON:		
		lf a	activity is with	n European s	site?	lf a	ctivity is outsi	de European s	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Dorset Heathlands Ramsar	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI - see 'Conditions proposed for the licence' (above).
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	 for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity		Yes	No	No	No	Yes	Yes	Yes	Yes	
Poole Harbour Ramsar	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		Yes	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	
Criterion 5 - regularly supports 20,000 or more waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	
Dorset Heathlands SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Hen harrier (Circus cyaneus)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a' or near the surface', the following should be noted:
Wood lark (Lullula arborea)		No	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to result in
European nightjar (Caprimulgus europaeus)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
Merlin (Falco columbarius)		No	No	No	No	Yes	Yes	Yes	Yes	 for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Dartford warbler (Sylvia undata)		No	No	No	No	Yes	Yes	Yes	Yes	
Poole Harbour SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Waterfowl assemblage	100	No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a
Pied avocet (Recurvirostra avosetta)		No	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted:
Mediterranean gull (Larus melanocephalus)		No	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
Common tern (Sterna hirundo)		No	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Common shelduck (Tadorna tadorna)		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Black-tailed godwit (Limosa limosa islandica)		No	No	No	No	Yes	Yes	Yes	Yes	
						100			100	
Dorset Heaths SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a
Northern Atlantic wet heaths with Erica tetralix		Yes	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted:
European dry heaths		Yes	No	No	No	Yes	Yes	Yes	Yes	- Stage B, C and D activities within the European site boundary are considered likely to result in AEOI -
Molinia meadows on calcareous, peaty or clayey-silt- aden soils (Molinion caeruleae)		Yes	No	No	No	Yes	Yes	Yes	Yes	see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Depressions on peat substrates of the Rhynchosporion		Yes	No	No	No	Yes	Yes	Yes	Yes	
Calcareous fens with Cladium mariscus and species of the Caricion davallianae		Yes	No	No	No	Yes	Yes	Yes	Yes	
Alkaline fens		Yes	No	No	No	Yes	Yes	Yes	Yes	
Old acidophilous oak woods with Quercus robur on sandy plains		Yes	No	No	No	Yes	Yes	Yes	Yes	
Southern damselfly (Coenagrion mercuriale)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Great crested newt (Triturus cristatus)		Yes	No	No	No	Yes	Yes	Yes	Yes	

Designated Sites and Interest Features	Is Euro. site		Can	Stage A, B, C	C or D activitie	es be carried	l out without	AEOI?		Notes
present within the Licence Block or within 10km)	within block?	If	activity is with	in European	site?	lf a	ctivity is outsi	de European site?		-
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
sle of Portland to Studland Cliffs SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activ
Annual vegetation of drift lines		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
egetated sea cliffs of the Atlantic and Baltic Coasts		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Semi-natural dry grasslands and scrubland facies on alcareous substrates (Festuco-Brometalia) (* important rchid sites)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Early gentian (Gentianella anglica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dorset Heaths (Purbeck and Wareham) and Studland Dunes SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so effects do not register at surface) are not considered likely to result in AEOI. With regard to activitie
mbryonic shifting dunes		Yes	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted:
hifting dunes along the shoreline with Ammophila renaria ("white dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AE see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Atlantic decalcified fixed dunes (Calluno-Ulicetea)		Yes	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
lumid dune slacks		Yes	No	No	No	Yes	Yes	Yes	Yes	
Digotrophic waters containing very few minerals of andy plains (Littorelletalia uniflorae)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Northern Atlantic wet heaths with Erica tetralix		Yes	No	No	No	Yes	Yes	Yes	Yes	
emperate Atlantic wet heaths with Erica ciliaris and Frica tetralix		Yes	No	No	No	Yes	Yes	Yes	Yes	
European dry heaths		Yes	No	No	No	Yes	Yes	Yes	Yes	
<i>I</i> olinia meadows on calcareous, peaty or clayey-silt- aden soils (Molinion caeruleae)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Depressions on peat substrates of the Rhynchosporion		Yes	No	No	No	Yes	Yes	Yes	Yes	
Calcareous fens with Cladium mariscus and species of he Caricion davallianae		Yes	No	No	No	Yes	Yes	Yes	Yes	
Alkaline fens		Yes	No	No	No	Yes	Yes	Yes	Yes	
Id acidophilous oak woods with Quercus robur on andy plains		Yes	No	No	No	Yes	Yes	Yes	Yes	
log woodland		Yes	No	No	No	Yes	Yes	Yes	Yes	
outhern damselfly (Coenagrion mercuriale)		Yes	No	No	No	Yes	Yes	Yes	Yes	
reat crested newt (Triturus cristatus)		Yes	No	No	No	Yes	Yes	Yes	Yes	
tudiand to Portland SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activ
Reefs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' secting (above) should be noted.

Licence block: SZ07

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: St Albans Head to Durlston Head SAC.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Poole Harbour Ramsar, Dorset Heathlands SPA, Poole Harbour SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Poole Harbour Ramsar, Isle of Portland to Studland Cliffs SAC, Dorset Heaths (Purbeck and Wareham) and Studland Dunes SAC, Studland to Portland SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are St Albans Head to Durlston Head SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Poole Harbour Ramsar, Dorset Heathlands SPA, Poole Harbour SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on Relevant European Sites Designated Sites and Interest Features Is Euro. site Can Stage A, B, C or D activities be carried out without AEOI? Notes present within the Licence Block or within within block? If activity is within European site? If activity is outside European site? 10km) Stage C Stage A Stage D Stage A Stage D Stage B Stage B Stage C

Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site within block?		Can S	Stage A, B, C	or D activitie	es be carried	l out without	AEOI?		Notes
lokm)	WILIIII DIOCK?	lf a	ctivity is with	in European s	site?	lf a	ctivity is outsi	de European	site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Oorset Heathlands Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activit
Criterion 2 - supports vulnerable, endangered, or critically indangered species or threatened eco. communities		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or inique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 3 - supports populations of plant/animal species mportant for maintaining regional biodiversity		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
oole Harbour Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Criterion 3 - supports populations of plant/animal species mportant for maintaining regional biodiversity		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 6 - regularly supports 1% of the individuals in a opulation of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 5 - regularly supports 20,000 or more waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 1 - sites containing representative, rare or inique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
orset Heathlands SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
len harrier (Circus cyaneus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Vood lark (Lullula arborea)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
European nightjar (Caprimulgus europaeus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
lerlin (Falco columbarius)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dartford warbler (Sylvia undata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Poole Harbour SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activiti
Vaterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Pied avocet (Recurvirostra avosetta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
lediterranean gull (Larus melanocephalus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common tern (Sterna hirundo)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Black-tailed godwit (Limosa limosa islandica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dorset Heaths SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Iorthern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in
uropean dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Aolinia meadows on calcareous, peaty or clayey-silt- aden soils (Molinion caeruleae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Depressions on peat substrates of the Rhynchosporion		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Calcareous fens with Cladium mariscus and species of ne Caricion davallianae		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ikaline fens		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
DId acidophilous oak woods with Quercus robur on andy plains		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Southern damselfly (Coenagrion mercuriale)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Great crested newt (Triturus cristatus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

	ls Euro. site		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
present within the Licence Block or within 10km)	within block?	lf a	activity is with	in European s	site?	lf a	ctivity is outsi	de European s	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
sle of Portland to Studland Cliffs SAC	Yes		1	1	I	1				This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (s
Annual vegetation of drift lines		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activ
/egetated sea cliffs of the Atlantic and Baltic Coasts		Yes	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in.
iemi-natural dry grasslands and scrubland facies on alcareous substrates (Festuco-Brometalia) (* important rchid sites)		Yes	No	No	No	Yes	Yes	Yes	Yes	see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
arly gentian (Gentianella anglica)		Yes	No	No	No	Yes	Yes	Yes	Yes	
it Albans Head to Duriston Head SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (s
/egetated sea cliffs of the Atlantic and Baltic Coasts		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activi
Semi-natural dry grasslands and scrubland facies on aclcareous substrates (Festuco-Brometalia) (* important prchid sites)		Yes	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with th
Greater horseshoe bat (Rhinolophus ferrumequinum)		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
arly gentian (Gentianella anglica)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Dorset Heaths (Purbeck and Wareham) and Studland Dunes SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D act undertaken at depth (so that effects do not register at surface) are not considered likely to result i
Embryonic shifting dunes		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' sect (above) should be noted.
Shifting dunes along the shoreline with Ammophila renaria ("white dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be hoted.
Atlantic decalcified fixed dunes (Calluno-Ulicetea)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
lumid dune slacks		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Digotrophic waters containing very few minerals of andy plains (Littorelletalia uniflorae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
emperate Atlantic wet heaths with Erica ciliaris and frica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Iolinia meadows on calcareous, peaty or clayey-silt- aden soils (Molinion caeruleae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Depressions on peat substrates of the Rhynchosporion		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
alcareous fens with Cladium mariscus and species of ne Caricion davallianae		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ikaline fens		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Id acidophilous oak woods with Quercus robur on andy plains		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bog woodland		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Southern damselfly (Coenagrion mercuriale)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Great crested newt (Triturus cristatus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	lf a		Stage A, B, C in European s		les be carried	ctivity is outsid			Notes
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Studland to Portland SAC Reefs	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Poole Harbour Ramsar, Dorset Heathlands SPA, Poole Harbour SPA.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Poole Harbour Ramsar, Dorset Heathlands SPA, Poole Harbour SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Poole Harbour Ramsar, Isle of Portland to Studland Cliffs SAC, Dorset Heaths (Purbeck and Wareham) and Studland Dunes SAC, Studland to Portland SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are St Albans Head to Durlston Head SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Poole Harbour Ramsar, Dorset Heathlands SPA, Poole Harbour SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	tage A, B, C	or D activitie	es be carried	out without	AEOI?		Notes
10km)		lf a	ctivity is withi	n European s	ite?	lf ac	ctivity is outsid	le European s	ite?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site	1	Can S	Stage A. B. C	or D activitie	es be carried	l out without	AEOI?		Notes
(present within the Licence Block or within	within block?			• • •						
10km)		lf a	activity is withi	in European s	site?	lf a	ctivity is outsid	de European s	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Dorset Heathlands Ramsar	Yes				1		•			This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity		Yes	No	No	No	Yes	Yes	Yes	Yes	
Poole Harbour Ramsar	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		Yes	No	No	No	Yes	Yes	Yes	Yes	- Grading and Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	
Criterion 5 - regularly supports 20,000 or more waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	
Dorset Heathlands SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Hen harrier (Circus cyaneus)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Wood lark (Lullula arborea)		No	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to result in
European nightjar (Caprimulgus europaeus)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
Merlin (Falco columbarius)		No	No	No	No	Yes	Yes	Yes	Yes	 for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Dartford warbler (Sylvia undata)		No	No	No	No	Yes	Yes	Yes	Yes	
Poole Harbour SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Waterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at
Pied avocet (Recurvirostra avosetta)		No	No	No	No	Yes	Yes		Yes	or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Mediterranean gull (Larus melanocephalus)		No	No	No	No	Yes	Yes		Yes	AEOI – see 'Conditions proposed for the licence' (above).
Common tern (Sterna hirundo)		No	No	No	No	Yes	Yes		Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Common shelduck (Tadorna tadorna)		No	No	No	No	Yes	Yes		Yes	licence' section (above) should be noted.
Black-tailed godwit (Limosa limosa islandica)		No	No	No	No	Yes	Yes		Yes	
Dorset Heaths SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes		Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Molinia meadows on calcareous, peaty or clayey-silt- laden soils (Molinion caeruleae)		n/a	n/a	n/a	n/a	Yes	Yes		Yes	(above) should be noted.
Depressions on peat substrates of the Rhynchosporion		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Calcareous fens with Cladium mariscus and species of the Caricion davallianae		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Alkaline fens		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Old acidophilous oak woods with Quercus robur on sandy plains		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Southern damselfly (Coenagrion mercuriale)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Great crested newt (Triturus cristatus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
1										

Assessment of Effects on										
Relevant European Sites						<u> </u>				
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
10km)		lf a	activity is with	in European s	site?	lf a	ctivity is outsi	de European	site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
Isle of Portland to Studland Cliffs SAC	Yes				•					This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Annual vegetation of drift lines		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities or near the surface', the following should be noted:
Vegetated sea cliffs of the Atlantic and Baltic Coasts		Yes	No	No	No	Yes	Yes	Yes	Yes	- Stage B, C and D activities within the European site boundary are considered likely to result in AEO
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		Yes	No	No	No	Yes	Yes	Yes	Yes	see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Early gentian (Gentianella anglica)		Yes	No	No	No	Yes	Yes	Yes	Yes	
St Albans Head to Duriston Head SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Vegetated sea cliffs of the Atlantic and Baltic Coasts		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Greater horseshoe bat (Rhinolophus ferrumequinum)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Early gentian (Gentianella anglica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dorset Heaths (Purbeck and Wareham) and Studland Dunes SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so tha effects do not register at surface) are not considered likely to result in AEOI. With regard to activities '
Embryonic shifting dunes		Yes	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted:
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AEO see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Atlantic decalcified fixed dunes (Calluno-Ulicetea)		Yes	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Humid dune slacks		Yes	No	No	No	Yes	Yes	Yes	Yes	
Oligotrophic waters containing very few minerals of sandy plains (Littorelletalia uniflorae)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Northern Atlantic wet heaths with Erica tetralix		Yes	No	No	No	Yes	Yes	Yes	Yes	
Temperate Atlantic wet heaths with Erica ciliaris and Erica tetralix		Yes	No	No	No	Yes	Yes	Yes	Yes	
European dry heaths		Yes	No	No	No	Yes	Yes	Yes	Yes	
Molinia meadows on calcareous, peaty or clayey-silt- laden soils (Molinion caeruleae)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Depressions on peat substrates of the Rhynchosporion		Yes	No	No	No	Yes	Yes	Yes	Yes	
Calcareous fens with Cladium mariscus and species of the Caricion davallianae		Yes	No	No	No	Yes	Yes	Yes	Yes	
Alkaline fens		Yes	No	No	No	Yes	Yes	Yes	Yes	
Old acidophilous oak woods with Quercus robur on sandy plains		Yes	No	No	No	Yes	Yes	Yes	Yes	
Bog woodland		Yes	No	No	No	Yes	Yes	Yes	Yes	
Southern damselfly (Coenagrion mercuriale)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Great crested newt (Triturus cristatus)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Studland to Portland SAC Reefs	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities ' or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI.

- Stage B, C and D activities within the European site boundary are considered likely to result in AEOI see 'Conditions proposed for the licence' (above).

- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Poole Harbour Ramsar, Dorset Heathlands SPA, Poole Harbour SPA.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Avon Valley Ramsar, Poole Harbour Ramsar, Dorset Heathlands SPA, Poole Harbour SPA, New Forest SPA, Avon Valley SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Poole Harbour Ramsar, Isle of Portland to Studland Cliffs SAC, Dorset Heaths (Purbeck and Wareham) and Studland Dunes SAC, Studland to Portland SAC.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Avon Valley Ramsar, River Avon SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Avon Valley Ramsar, Poole Harbour Ramsar, Dorset Heathlands SPA, Poole Harbour SPA, New Forest SPA, Avon Valley SPA, River Avon SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	tage A, B, C	or D activitie	s be carried	out without	AEOI?		Notes
		lf a	ctivity is within	n European s	ite?	lf ac	ctivity is outsid	le European s	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A Stage B Stage C Stage D				
		oldge A	Oldge D	olage o	oluge D	olage A	Oldge D	Oldge O	oluge D	

Assessment of Effects on										
Relevant European Sites		1			-	<u> </u>		15010		
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can	Stage A, B, C	or D activitie	es be carried	l out without	AEOI?		Notes
10km)		lf a	activity is with	in European s	site?	lf a	activity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Avon Valley Ramsar	No	•	•					•		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 1 - sites containing representative, rare or unique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	,	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dorset Heathlands Ramsar	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	,	Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI - see 'Conditions proposed for the licence' (above).
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	see Conditions proposed for the licence (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity		Yes	No	No	No	Yes	Yes	Yes	Yes	
Poole Harbour Ramsar	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a or near the surface', the following should be noted:
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	,	Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	
Criterion 5 - regularly supports 20,000 or more waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	
New Forest Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 1 - sites containing representative, rare or unique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 3 - supports populations of plant/animal species mportant for maintaining regional biodiversity		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	,	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dorset Heathlands SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Hen harrier (Circus cyaneus)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activiti or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Nood lark (Lullula arborea)		No	No	No	No	Yes	Yes	Yes	Yes	
European nightjar (Caprimulgus europaeus)		No	No	No	No	Yes	Yes	Yes	Yes	
Merlin (Falco columbarius)		No	No	No	No	Yes	Yes	Yes	Yes	
Dartford warbler (Sylvia undata)		No	No	No	No	Yes	Yes	Yes	Yes	

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can	Stage A, B, C	C or D activiti	ies be carried	l out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	activity is with	in European :	site?	lf a	ctivity is outsi	de European	site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
Poole Harbour SPA	Yes	I				1		I		This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so
Waterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activitie or near the surface', the following should be noted:
Pied avocet (Recurvirostra avosetta)		No	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to result in
Mediterranean gull (Larus melanocephalus)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
Common tern (Sterna hirundo)		No	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Common shelduck (Tadorna tadorna)		No	No	No	No	Yes	Yes	Yes	Yes	
Black-tailed godwit (Limosa limosa islandica)		No	No	No	No	Yes	Yes	Yes	Yes	
New Forest SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Wood warbler (Phylloscopus sibilatrix)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Eurasian hobby (Falco subbuteo)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Hen harrier (Circus cyaneus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European honey-buzzard (Pernis apivorus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European nightjar (Caprimulgus europaeus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dartford warbler (Sylvia undata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Wood lark (Lullula arborea)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Avon Valley SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Tundra swan (Cygnus columbianus bewickii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Gadwall (Anas strepera)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
The New Forest SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Oligotrophic waters containing very few minerals of sandy plains (Littorelletalia uniflorae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Oligotrophic to mesotrophic standing waters with vegetation of the Littorelletea uniflorae and/or of the lsoëto-Nanojuncetea		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Molinia meadows on calcareous, peaty or clayey-silt- laden soils (Molinion caeruleae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Transition mires and quaking bogs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Depressions on peat substrates of the Rhynchosporion		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Alkaline fens		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic acidophilous beech forests with llex and sometimes also Taxus in the shrublayer (Quercion robori petraeae or Ilici-Fagenion)	-	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Asperulo-Fagetum beech forests		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Old acidophilous oak woods with Quercus robur on sandy plains		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bog woodland		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Southern damselfly (Coenagrion mercuriale)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Stag beetle (Lucanus cervus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Great crested newt (Triturus cristatus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site		Can	Stage A, B, C	or D activiti	es be carried	l out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf a	activity is with	in European :	site?	lf a	ctivity is outsi	de European :	site?	-
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
River Avon SAC	No				<u>.</u>	•	•	•		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie
Water courses of plain to montane levels with the Ranunculion fluitantis and Callitricho-Batrachion vegetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Desmoulin`s whorl snail (Vertigo moulinsiana)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Brook lamprey (Lampetra planeri)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic salmon (Salmo salar)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bullhead (Cottus gobio)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dorset Heaths SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Northern Atlantic wet heaths with Erica tetralix		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities ' or near the surface', the following should be noted:
European dry heaths		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AEOI
Molinia meadows on calcareous, peaty or clayey-silt- laden soils (Molinion caeruleae)		Yes	No	No	No	Yes	Yes	Yes	Yes	see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Depressions on peat substrates of the Rhynchosporion		Yes	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Calcareous fens with Cladium mariscus and species of the Caricion davallianae		Yes	No	No	No	Yes	Yes	Yes	Yes	
Alkaline fens		Yes	No	No	No	Yes	Yes	Yes	Yes	
Old acidophilous oak woods with Quercus robur on sandy plains		Yes	No	No	No	Yes	Yes	Yes	Yes	
Southern damselfly (Coenagrion mercuriale)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Great crested newt (Triturus cristatus)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Isle of Portland to Studland Cliffs SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Annual vegetation of drift lines		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Vegetated sea cliffs of the Atlantic and Baltic Coasts		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Early gentian (Gentianella anglica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dorset Heaths (Purbeck and Wareham) and Studiand	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Dunes SAC		2/2	2/2	nlo	2/2	Vee	Vaa	Vee	Vee	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Embryonic shifting dunes Shifting dunes along the shoreline with Ammophila		n/a n/a	n/a n/a	n/a n/a	n/a n/a	Yes Yes	Yes Yes	Yes Yes	Yes Yes	(above) should be noted.
arenaria ("white dunes")		- 1-			- 1-	Mar	Mar	Mar		
Atlantic decalcified fixed dunes (Calluno-Ulicetea)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Humid dune slacks		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Oligotrophic waters containing very few minerals of sandy plains (Littorelletalia uniflorae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Temperate Atlantic wet heaths with Erica ciliaris and Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Molinia meadows on calcareous, peaty or clayey-silt- laden soils (Molinion caeruleae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Depressions on peat substrates of the Rhynchosporion		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Calcareous fens with Cladium mariscus and species of the Caricion davallianae		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Alkaline fens		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Old acidophilous oak woods with Quercus robur on sandy plains		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bog woodland		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Southern damselfly (Coenagrion mercuriale)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Great crested newt (Triturus cristatus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	lf e	Can S activity is withi	• • •		es be carried		AEOI? de European s	site?	Notes
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Studiand to Portland SAC Reefs	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Solent & Southampton Water Ramsar, Solent and Southampton Water SPA.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Solent & Southampton Water Ramsar, New Forest SPA, Solent and Southampton Water SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Solent & Southampton Water Ramsar, Solent and Isle of Wight Lagoons SAC, Solent Maritime SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Solent & Southampton Water Ramsar, New Forest SPA, Solent and Southampton Water SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activitie	es be carried	l out without	AEOI?		Notes
		lf	If activity is within European site?				ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Solent & Southampton Water Ramsar	Yes		-				-			This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes		effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes		AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	/	Yes	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Criterion 5 - regularly supports 20,000 or more waterbirds	6	No	No	No	No	Yes	Yes	Yes	Yes	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site		Can	Stage A, B, C	or D activiti	es be carried	d out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf	activity is with	in European s	site?	lf a	activity is outsi	de European	site?	-
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
New Forest Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 1 - sites containing representative, rare or unique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (then be the defined at the surface) are not activities at or near the surface.
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically	/	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
endangered species or threatened eco. communities										
New Forest SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Wood warbler (Phylloscopus sibilatrix)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Eurasian hobby (Falco subbuteo)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Hen harrier (Circus cyaneus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European honey-buzzard (Pernis apivorus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European nightjar (Caprimulgus europaeus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dartford warbler (Sylvia undata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Wood lark (Lullula arborea)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Solent and Southampton Water SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Sandwich tern (Sterna sandvicensis)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a
Ringed plover (Charadrius hiaticula)		No	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted:
Black-tailed godwit (Limosa limosa islandica)		No	No	No	No	Yes	Yes	Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
o (No	No	No						- for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Mediterranean gull (Larus melanocephalus)					No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Light-bellied brent goose (Branta bernicla hrota)		No	No	No	No	Yes	Yes	Yes	Yes	
Eurasian teal (Anas crecca)		No	No	No	No	Yes	Yes	Yes	Yes	
Little tern (Sterna albifrons)		No	No	No	No	Yes	Yes	Yes	Yes	
Common tern (Sterna hirundo)		No	No	No	No	Yes	Yes	Yes	Yes	
Roseate tern (Sterna dougallii)		No	No	No	No	Yes	Yes	Yes	Yes	
Waterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	
The New Forest SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Oligotrophic waters containing very few minerals of sandy plains (Littorelletalia uniflorae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Oligotrophic to mesotrophic standing waters with vegetation of the Littorelletea uniflorae and/or of the lsoëto-Nanojuncetea		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Molinia meadows on calcareous, peaty or clayey-silt- laden soils (Molinion caeruleae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Transition mires and quaking bogs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Depressions on peat substrates of the Rhynchosporion		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Alkaline fens		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic acidophilous beech forests with llex and sometimes also Taxus in the shrublayer (Quercion robori- petraeae or llici-Fagenion)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Asperulo-Fagetum beech forests		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Old acidophilous oak woods with Quercus robur on sandy plains		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bog woodland		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Southern damselfly (Coenagrion mercuriale)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Stag beetle (Lucanus cervus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Great crested newt (Triturus cristatus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
							100	.00	100	

Designated Sites and Interest Features	ls Euro. site		Can S	Stage A, B, C	or D activiti	es be carried	out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf é	activity is with	in European s	site?	lf a	ctivity is outsid	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
sle of Wight Downs SAC	Yes	1	<u>I</u>	1	1	1	<u>I</u>	1	1	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so
Vegetated sea cliffs of the Atlantic and Baltic Coasts		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activitie or near the surface', the following should be noted:
European dry heaths		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AE
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		Yes	No	No	No	Yes	Yes	Yes	Yes	see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Early gentian (Gentianella anglica)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Solent and Isle of Wight Lagoons SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activiti
Coastal lagoons		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Solent Maritime SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so t effects do not register at surface) are not considered likely to result in AEOI. With regard to activitie
Sandbanks which are slightly covered by sea water all the time		Yes	No	No	No	Yes	Yes	Yes	Yes	 or near the surface', the following should be noted: Stage B, C and D activities within the European site boundary are considered likely to result in AEI
Estuaries		Yes	No	No	No	Yes	Yes	Yes	Yes	see 'Conditions proposed for the licence' (above).
Mudflats and sandflats not covered by seawater at low ide		Yes	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Coastal lagoons		Yes	No	No	No	Yes	Yes	Yes	Yes	
Annual vegetation of drift lines		Yes	No	No	No	Yes	Yes	Yes	Yes	
Perennial vegetation of stony banks		Yes	No	No	No	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and sand		Yes	No	No	No	Yes	Yes	Yes	Yes	
Spartina swards (Spartinion maritimae)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	Yes	No	No	No	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	
Desmoulin`s whorl snail (Vertigo moulinsiana)		Yes	No	No	No	Yes	Yes	Yes	Yes	
South Wight Maritime SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so t
Reefs		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activiti or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AE see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
/egetated sea cliffs of the Atlantic and Baltic Coasts		Yes	No	No	No	Yes	Yes	Yes	Yes	
			No	No	No	Yes	Yes	Yes	Yes	

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Solent & Southampton Water Ramsar, Solent and Southampton Water SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Solent & Southampton Water Ramsar, Solent Maritime SAC, South Wight Maritime SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Briddlesford Copses SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Solent & Southampton Water Ramsar, Solent and Southampton Water SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or	ls Euro. site within		Can Sta	ge A, B, C o		Notes				
within 10km)	block?	lf ac	tivity is withiı	n European s	site?	lf acti	ivity is outsic			
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Assessment of Effects on										
Relevant European Sites	La Euro alta		Con St	ARC		te he perrie	-1t -withe	145012		
Designated Sites and Interest Features present within the Licence Block or	ls Euro. site within			• • •		-	ed out withou			Notes
within 10km)	block?	lf ac	activity is withi	in European	site?	If act	ctivity is outsic	de European	ı site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
Solent & Southampton Water Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and
Criterion 6 - regularly supports 1% of the individuals n a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice propose with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
unique wetland types Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco.		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
communities Criterion 5 - regularly supports 20,000 or more waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Solent and Southampton Water SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and activities undertaken at depth (so that effects do not register at surface) are not considered
Sandwich tern (Sterna sandvicensis)		n/a	n/a	n/a	n/a	Yes			Yes	likely to result in AEOI. With regard to activities at or near the surface, the 'Advice propose
Ringed plover (Charadrius hiaticula)		n/a	n/a	n/a	n/a	Yes		Yes	Yes	with the licence' section (above) should be noted.
Black-tailed godwit (Limosa limosa islandica)		n/a n/a	n/a n/a	n/a n/a	n/a	Yes		Yes	Yes	
Mediterranean gull (Larus melanocephalus)		n/a n/a	n/a n/a	n/a n/a	n/a n/a	Yes		Yes	Yes	
Light-bellied brent goose (Branta bernicla hrota) Eurasian teal (Anas crecca)		n/a n/a	n/a n/a	n/a n/a	n/a n/a	Yes Yes		Yes Yes	Yes Yes	
Little tern (Sterna albifrons)		n/a n/a	n/a n/a	n/a n/a	n/a n/a	Yes		Yes	Yes	
Common tern (Sterna hirundo)		n/a	n/a	n/a	n/a	Yes		Yes	Yes	
Roseate tern (Sterna dougallii)		n/a	n/a	n/a	n/a	Yes		Yes	Yes	
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes		Yes	Yes	
Isle of Wight Downs SAC	No	100	11/4	11/4	11/G	TOO	100	100	100	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and
Vegetated sea cliffs of the Atlantic and Baltic Coasts	110	n/a	n/a	n/a	n/a	Yes		Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considere likely to result in AEOI. With regard to activities at or near the surface, the 'Advice propos
European dry heaths		n/a	n/a	n/a	n/a	Yes			Yes	with the licence' section (above) should be noted.
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites) Farly gentian (Gentianella anglica)		n/a	n/a	n/a	n/a	Yes		Yes	Yes	
Early gentian (Gentianella anglica)		n/a	n/a	n/a	n/a	res	res	res	res	
Solent Maritime SAC Sandbanks which are slightly covered by sea water	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C at activities undertaken at depth (so that effects do not register at surface) are not consider licente activities to the second to activities and the second
all the time						New York			N	likely to result in AEOI. With regard to activities at or near the surface, the 'Advice propo with the licence' section (above) should be noted.
Estuaries Mudflats and sandflats not covered by seawater at		n/a n/a	n/a n/a	n/a n/a	n/a n/a	Yes		Yes Yes	Yes Yes	
Mudflats and sandflats not covered by seawater at low tide Coastal lagoons		n/a n/a	n/a n/a	n/a n/a	n/a n/a	Yes Yes		Yes	Yes	
Annual vegetation of drift lines		n/a	n/a	n/a	n/a	Yes		Yes	Yes	
Perennial vegetation of stony banks		n/a	n/a	n/a	n/a	Yes		Yes	Yes	
Salicornia and other annuals colonizing mud and sand		n/a	n/a	n/a	n/a	Yes		Yes	Yes	
Spartina swards (Spartinion maritimae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)		n/a	n/a	n/a	n/a	Yes		Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes") Desmoulin's whorl snail (Vertigo moulingiana)		n/a	n/a	n/a	n/a	Yes Yes			Yes Yes	
Desmoulin`s whorl snail (Vertigo moulinsiana)	Vee	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is present within the license black. Stage A. P. C and D pativities undertaken of
South Wight Maritime SAC Reefs	Yes	Voo	No	No	No	Voc	Voc	Vac	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at (so that effects do not register at surface) are not considered likely to result in AEOI. W.
Vegetated sea cliffs of the Atlantic and Baltic		Yes Yes	No No	No No	No No	Yes Yes			Yes	 regard to activities 'at or near the surface', the following should be noted: Stage B, C and D activities within the European site boundary are considered likely to res in AEOI – see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed v the licence' section (above) should be noted.
Coasts Submerged or partially submerged sea caves		Yes	No	No	No	Yes	Yes	Yes	Yes	

Assessment of Effects on										
Relevant European Sites										
······································	ls Euro. site		Can Sta	ge A, B, C o	r D activitie	s be carried	l out withou	t AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	If ac	ctivity is withir	n European s	site?	If act	ivity is outsic	site?		
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Briddlesford Copses SAC	No								•	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Bechstein`s bat (Myotis bechsteini)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	res	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Solent & Solent and Southampton Water Ramsar, Solent and Southampton Water SPA.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Solent & Southampton Water Ramsar, New Forest SPA, Solent and Southampton Water SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Solent & Southampton Water Ramsar, Solent and Isle of Wight Lagoons SAC, Solent Maritime SAC, South Wight Maritime SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Briddlesford Copses SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Solent & Southampton Water Ramsar, New Forest SPA, Solent and Southampton Water SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Relevant European Sites Designated Sites and Interest Features Can Stage A, B, C or D activities be carried out without AEOI? Is Euro. site Notes (present within the Licence Block or within within block? If activity is within European site? If activity is outside European site? 10km) Stage D Stage A Stage B Stage C Stage D Stage A Stage B Stage C Solent & Southampton Water Ramsar Yes This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at Criterion 6 - regularly supports 1% of the individuals in a No No No No Yes Yes Yes Yes or near the surface', the following should be noted: oopulation of one species/subspecies of waterbirds - Stage A, B, C and D activities within the European site boundary are considered likely to result in Criterion 1 - sites containing representative, rare or No No Yes Yes No Yes Yes Yes AEOI - see 'Conditions proposed for the licence' (above). inique wetland types - for activities occurring outside the boundary of the European site, the 'Advice proposed with the Criterion 2 - supports vulnerable, endangered, or critically Yes No No No Yes Yes Yes Yes licence' section (above) should be noted endangered species or threatened eco, communities Criterion 5 - regularly supports 20,000 or more waterbirds No No Yes Yes Yes No No Yes

Assessment of Effects on

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site		Can	Stage A, B, C	or D activiti	es be carried	d out without	AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf	activity is with	in European s	site?	lf a	activity is outsi	de European	site?	-
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
New Forest Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Criterion 1 - sites containing representative, rare or unique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (then be the defined at the surface) are not activities at or near the surface.
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically	/	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
endangered species or threatened eco. communities										
New Forest SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Wood warbler (Phylloscopus sibilatrix)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Eurasian hobby (Falco subbuteo)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Hen harrier (Circus cyaneus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European honey-buzzard (Pernis apivorus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European nightjar (Caprimulgus europaeus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dartford warbler (Sylvia undata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Wood lark (Lullula arborea)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Solent and Southampton Water SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Sandwich tern (Sterna sandvicensis)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'a
Ringed plover (Charadrius hiaticula)		No	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted:
Black-tailed godwit (Limosa limosa islandica)		No	No	No	No	Yes	Yes	Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
o (No	No	No						- for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Mediterranean gull (Larus melanocephalus)					No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Light-bellied brent goose (Branta bernicla hrota)		No	No	No	No	Yes	Yes	Yes	Yes	
Eurasian teal (Anas crecca)		No	No	No	No	Yes	Yes	Yes	Yes	
Little tern (Sterna albifrons)		No	No	No	No	Yes	Yes	Yes	Yes	
Common tern (Sterna hirundo)		No	No	No	No	Yes	Yes	Yes	Yes	
Roseate tern (Sterna dougallii)		No	No	No	No	Yes	Yes	Yes	Yes	
Waterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	
The New Forest SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Oligotrophic waters containing very few minerals of sandy plains (Littorelletalia uniflorae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Oligotrophic to mesotrophic standing waters with vegetation of the Littorelletea uniflorae and/or of the lsoëto-Nanojuncetea		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Molinia meadows on calcareous, peaty or clayey-silt- laden soils (Molinion caeruleae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Transition mires and quaking bogs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Depressions on peat substrates of the Rhynchosporion		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Alkaline fens		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic acidophilous beech forests with llex and sometimes also Taxus in the shrublayer (Quercion robori- petraeae or llici-Fagenion)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Asperulo-Fagetum beech forests		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Old acidophilous oak woods with Quercus robur on sandy plains		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bog woodland		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Southern damselfly (Coenagrion mercuriale)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Stag beetle (Lucanus cervus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Great crested newt (Triturus cristatus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
							100	.00	100	

Assessment of Effects on Relevant European Sites										
•	ls Euro. site	1	Can	Stage A. B. C	or D activitie	es be carried	out without	AEOI?		Notes
	within block?									
		lf a	activity is with	in European s	site?	lf a	ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D]
sle of Wight Downs SAC	Yes	•		•	•					This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so
Vegetated sea cliffs of the Atlantic and Baltic Coasts		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activitie or near the surface', the following should be noted:
European dry heaths		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AE
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		Yes	No	No	No	Yes	Yes	Yes	Yes	see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Early gentian (Gentianella anglica)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Solent and Isle of Wight Lagoons SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activit
Coastal lagoons		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
	Yes		Ne	Ne	Ne	No	Ma a	No. a	Me e	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so effects do not register at surface) are not considered likely to result in AEOI. With regard to activitie
Sandbanks which are slightly covered by sea water all the time		Yes	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AE
Estuaries		Yes	No	No	No	Yes	Yes	Yes	Yes	see 'Conditions proposed for the licence' (above).
Mudflats and sandflats not covered by seawater at low tide		Yes	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Coastal lagoons		Yes	No	No	No	Yes	Yes	Yes	Yes	
Annual vegetation of drift lines		Yes	No	No	No	Yes	Yes	Yes	Yes	
Perennial vegetation of stony banks		Yes	No	No	No	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and sand		Yes	No	No	No	Yes	Yes	Yes	Yes	
Spartina swards (Spartinion maritimae)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae))	Yes	No	No	No	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	
Desmoulin`s whorl snail (Vertigo moulinsiana)		Yes	No	No	No	Yes	Yes	Yes	Yes	
South Wight Maritime SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so
Reefs		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activitie or near the surface', the following should be noted:
Vegetated sea cliffs of the Atlantic and Baltic Coasts		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AE
Submerged or partially submerged sea caves		Yes	No	No	No	Yes	Yes	Yes	Yes	see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Briddlesford Copses SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activity
Bechstein`s bat (Myotis bechsteini)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' sectior (above) should be noted.

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site its lits. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Solent & Southampton Water Ramsar, Solent and Southampton Water SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Solent & Southampton Water Ramsar, Solent and Isle of Wight Lagoons SAC, Solent Maritime SAC, South Wight Maritime SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Solent & Southampton Water Ramsar, Solent and Southampton Water SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or	ls Euro. site within		Can Sta	ge A, B, C o	r D activitie	s be carried	out withou	t AEOI?		Notes
within 10km)	block?	If ac	tivity is withii	site?						
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site	I	Can Sta	age A, B, C d	or D activitie	es be carrie	d out withou	It AEOI?		Notes
(present within the Licence Block or within 10km)	within	lf au	ctivitv is with	in European	site?	If ac	tivity is outsid	le European	site?	-
within tokinj	block?		-	-			-			
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Solent & Southampton Water Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 5 - regularly supports 20,000 or more waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Solent and Southampton Water SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Sandwich tern (Sterna sandvicensis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered
Ringed plover (Charadrius hiaticula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Black-tailed godwit (Limosa limosa islandica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Mediterranean gull (Larus melanocephalus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Light-bellied brent goose (Branta bernicla hrota)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian teal (Anas crecca)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Little tern (Sterna albifrons)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common tern (Sterna hirundo)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Roseate tern (Sterna dougallii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Isle of Wight Downs SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth
Vegetated sea cliffs of the Atlantic and Baltic Coasts		Yes	No	No	No	Yes	Yes	Yes	Yes	(so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
European dry heaths		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		Yes	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Early gentian (Gentianella anglica)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Solent and Isle of Wight Lagoons SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Coastal lagoons		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Solent Maritime SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Sandbanks which are slightly covered by sea water all the time		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
Estuaries		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
Mudflats and sandflats not covered by seawater at		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
low tide Coastal lagoons		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Annual vegetation of drift lines		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Perennial vegetation of stony banks		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
sand										
Spartina swards (Spartinion maritimae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site within block?	If ac	Can Sta			es be carried If act	ivity is outsic		site?	Notes
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Desmoulin`s whorl snail (Vertigo moulinsiana)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
South Wight Maritime SAC Reefs Vegetated sea cliffs of the Atlantic and Baltic Coasts Submerged or partially submerged sea caves		Yes Yes Yes	No No No	No No No	No No No	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Briddlesford Copses SAC Bechstein`s bat (Myotis bechsteini)	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Solent & Southampton Water Ramsar, Solent and Southampton Water SPA, Briddlesford Copses SAC.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Portsmouth Harbour Ramsar, Solent & Southampton Water Ramsar, Portsmouth Harbour SPA, Solent and Southampton Water SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Portsmouth Harbour Ramsar, Solent & Southampton Water Ramsar, Solent and Isle of Wight Lagoons SAC, Solent Maritime SAC, South Wight Maritime SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Briddlesford Copses SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Portsmouth Harbour Ramsar, Solent & Southampton Water Ramsar, Portsmouth Harbour SPA, Solent and Southampton Water SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on Relevant European Sites Designated Sites and Interest Features Is Euro, site Can Stage A. B. C or D activities be carried out without AEOI? Notes present within the Licence Block or within within block? If activity is outside European site? If activity is within European site? Stage A Stage B Stage C Stage D Stage A Stage B Stage C Stage D This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activiti Portsmouth Harbour Ramsar No undertaken at depth (so that effects do not register at surface) are not considered likely to result in Criterion 6 - regularly supports 1% of the individuals in a n/a n/a n/a n/a Yes Yes Yes Yes AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section population of one species/subspecies of waterbirds (above) should be noted. Criterion 3 - supports populations of plant/animal species n/a n/a n/a n/a Yes Yes Yes Yes mportant for maintaining regional biodiversity

Assessment of Effects on Relevant European Sites										
•	ls Euro. site		Can	Stage A, B, C	or D activitie	es be carried	l out without	AEOI?		Notes
0	within block?			• • •						
10km)		lt a	activity is with	in European s	ite?	lta	activity is outsi	de European s	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Solent & Southampton Water Ramsar	Yes		•	•		•	•	1	•	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	- Stage A, D, C and D activities within the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities		Yes	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
Criterion 5 - regularly supports 20,000 or more waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	
Portsmouth Harbour SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Black-tailed godwit (Limosa limosa islandica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Dunlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Red-breasted merganser (Mergus serrator)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Light-bellied brent goose (Branta bernicla hrota)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Solent and Southampton Water SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Sandwich tern (Sterna sandvicensis)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Ringed plover (Charadrius hiaticula)		No	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to result in
Black-tailed godwit (Limosa limosa islandica)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
Mediterranean gull (Larus melanocephalus)		No	No	No	No	Yes	Yes	Yes	Yes	 - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Light-bellied brent goose (Branta bernicla hrota)		No	No	No	No	Yes	Yes	Yes	Yes	
Eurasian teal (Anas crecca)		No	No	No	No	Yes	Yes	Yes	Yes	
Little tern (Sterna albifrons)		No	No	No	No	Yes	Yes	Yes	Yes	
Common tern (Sterna hirundo)		No	No	No	No	Yes	Yes	Yes	Yes	
Roseate tern (Sterna dougallii)		No	No	No	No	Yes	Yes	Yes	Yes	
Waterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	
···· • • • • • • • • • • • • • • • • •	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Vegetated sea cliffs of the Atlantic and Baltic Coasts		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Early gentian (Gentianella anglica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Designated Sites and Interest Features	Is Euro. site		Can	Stage A, B, C	or D activiti	es be carried	l out without	AEOI?		Notes	
(present within the Licence Block or within 10km)	within block?	lf a	activity is with	in European s	ite?	lf a	ctivity is outsid	de European :	site?	-	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
Solent and Isle of Wight Lagoons SAC	No	1	1	1	I	<u> </u>				This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activit	
Coastal lagoons		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' sectior (above) should be noted.	
Solent Maritime SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so the	
Sandbanks which are slightly covered by sea water all the time		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEO	
Estuaries		Yes	No	No	No	Yes	Yes	Yes	Yes	see 'Conditions proposed for the licence' (above).	
Nudflats and sandflats not covered by seawater at low ide		Yes	No	No	No	Yes	Yes	Yes	Yes	 - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted. 	
Coastal lagoons		Yes	No	No	No	Yes	Yes	Yes	Yes		
Annual vegetation of drift lines		Yes	No	No	No	Yes	Yes	Yes	Yes		
Perennial vegetation of stony banks		Yes	No	No	No	Yes	Yes	Yes	Yes		
Salicornia and other annuals colonizing mud and sand		Yes	No	No	No	Yes	Yes	Yes	Yes		
Spartina swards (Spartinion maritimae)		Yes	No	No	No	Yes	Yes	Yes	Yes		
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)		Yes	No	No	No	Yes	Yes	Yes	Yes		
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes		
Desmoulin`s whorl snail (Vertigo moulinsiana)		Yes	No	No	No	Yes	Yes	Yes	Yes		
South Wight Maritime SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so	
Reefs		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activiti or near the surface', the following should be noted:	
/egetated sea cliffs of the Atlantic and Baltic Coasts		Yes	No	No	No	Yes	Yes	Yes	Yes	- Stage B, C and D activities within the European site boundary are considered likely to result in A	
Submerged or partially submerged sea caves		Yes	No	No	No	Yes	Yes	Yes	Yes	see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Briddlesford Copses SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so effects do not register at surface) are not considered likely to result in AEOI. With regard to activitie	
Bechstein's bat (Myotis bechsteini)		No	No	Νο	No	Yes	Yes	Yes	Yes	 or near the surface', the following should be noted: Stage A, B, C and D activities within the European site boundary are considered likely to result i AEOI – see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted. 	

Granting of licence proposed?: Yes

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Hornsea Mere SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features with features potentially vulnerable to this in or near this block are Hornsea Mere SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	cor D activiti	es be carried	out without	AEOI?		Notes
10km)		lf a	activity is with	n European s	site?	lf a	ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Hornsea Mere SPA	No			•		•				This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities
Gadwall (Anas strepera)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section
Mute swan (Cygnus olor)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	(above) should be noted.

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Flamborough Head and Bempton Cliffs SPA; Flamborough and Filey Coast pSPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Flamborough Head SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Flamborough Head and Bempton Cliffs SPA; Flamborough and Filey Coast pSPA.

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- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Designated Sites and Interest Features (present within the Licence Block or	ls Euro. site within		Can Sta	ige A, B, C d	or D activitie	s be carried	d out withou	t AEOI?		Notes	
within 10km)	block?	lf ac	tivity is withii	n European :	site?	If act	ivity is outsic	site?			
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
Flamborough Head and Bempton Cliffs SPA Black-legged kittiwake (Rissa tridactyla)	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Flamborough Head SAC Reefs Vegetated sea cliffs of the Atlantic and Baltic Coasts		n/a n/a		n/a n/a	n/a n/a	Yes Yes		Yes Yes		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and C activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Submerged or partially submerged sea caves		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

Assessment of Effects on Relevant European Sites										
(present within the Licence Block or	ls Euro. site within block?	If ac	Can Sta	• • •	or D activitie site?			u t AEOI? de European		Notes
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Flamborough and Filey Coast pSPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Black-legged kittiwake (Rissa tridactyla)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	res	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
Gannet (Morus bassanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	V	with the licence' section (above) should be noted.
Common guillemot (Uria aalge albionis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Razorbill (Alca torda islandica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Seabird assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Flamborough Head and Bempton Cliffs SPA; Flamborough and Filey Coast pSPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Flamborough Head SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Flamborough Head and Bempton Cliffs SPA; Flamborough and Filey Coast pSPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Designated Sites and Interest Features (present within the Licence Block or	ls Euro. site within		Can Sta	ge A, B, C o	or D activitie	es be carried	d out withou	It AEOI?		Notes
within 10km)	block?	lf ac	tivity is within	n European	site?	If act	ivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Flamborough Head and Bempton Cliffs SPA Black-legged kittiwake (Rissa tridactyla)	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Designated Sites and Interest Features (present within the Licence Block or	ls Euro. site within		Can Sta	ge A, B, C c	or D activitie	es be carrie	d out withou	t AEOI?		Notes
within 10km)	block?	lf ac	ctivity is withi	n European :	site?	If act	tivity is outsic	le European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Flamborough Head SAC	No			-	-	-	-		-	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Reefs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
Vegetated sea cliffs of the Atlantic and Baltic Coasts		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
Submerged or partially submerged sea caves		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Flamborough and Filey Coast pSPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Black-legged kittiwake (Rissa tridactyla)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
Gannet (Morus bassanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
Common guillemot (Uria aalge albionis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Razorbill (Alca torda islandica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Seabird assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Flamborough and Filey Coast pSPA.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Flamborough Head and Bempton Cliffs SPA, North York Moors SPA; Flamborough and Filey Coast pSPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Flamborough Head SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Flamborough Head and Bempton Cliffs SPA, North York Moors SPA; Flamborough and Filey Coast pSPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Designated Sites and Interest Features (present within the Licence Block or	ls Euro. site within		Can Sta	ge A, B, C d	or D activitie	es be carried	d out withou	t AEOI?		Notes
within 10km)	block?	lf ac	tivity is withi	n European	site?	If act	ivity is outsid	le European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Flamborough and Filey Coast pSPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth
Black-legged kittiwake (Rissa tridactyla)		No	No	No	No	Yes	Yes	Yes	res	(so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Gannet (Morus bassanus)		No	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to
Common guillemot (Uria aalge albionis)		No	No	No	No	Yes	Yes	Yes		result in AEOI – see 'Conditions proposed for the licence' (above).
Razorbill (Alca torda islandica)		No	No	No	No	Yes	Yes	Yes		- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Seabird assemblage		No	No	No	No	Yes	Yes	Yes	Yes	

Designated Sites and Interest Features (present within the Licence Block or	ls Euro. site within		Can Sta	age A, B, C d	or D activitie	es be carrie	d out withou	It AEOI?		Notes
within 10km)	block?	lf ac	ctivity is with	in European	site?	lf ac	tivity is outsi	de European	n site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Flamborough Head and Bempton Cliffs SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Black-legged kittiwake (Rissa tridactyla)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
North York Moors SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered
Merlin (Falco columbarius)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
Flamborough Head SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Reefs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
Vegetated sea cliffs of the Atlantic and Baltic Coasts	;	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
Submerged or partially submerged sea caves		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Beast Cliff – Whitby (Robin Hood`s Bay) SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Vegetated sea cliffs of the Atlantic and Baltic Coasts	;	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
North York Moors SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
Blanket bogs (priority feature if active bog)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are North York Moors SPA; Flamborough and Filey Coast pSPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are North York Moors SPA; Flamborough and Filey Coast pSPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Designated Sites and Interest Features (present within the Licence Block or	ls Euro. site within		Can Sta	nge A, B, C d	or D activitie	es be carrie	d out witho	It AEOI?		Notes
	block?	lf ad	ctivity is withi	n European	site?	lf ac	tivity is outsi	de Europear	n site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
North York Moors SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Merlin (Falco columbarius)		n/a	/a n/a n/a n/a				Yes	Yes		activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes			with the licence' section (above) should be noted.

Assessment of Effects on Relevant European Sites										
(present within the Licence Block or	ls Euro. site within block?		tivity is withi	n European	site?	lf act	d out withou	de European		Notes
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Beast Cliff – Whitby (Robin Hood's Bay) SAC Vegetated sea cliffs of the Atlantic and Baltic Coasts	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
North York Moors SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
Blanket bogs (priority feature if active bog)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Flamborough and Filey Coast pSPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Black-legged kittiwake (Rissa tridactyla)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered
Gannet (Morus bassanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Common guillemot (Uria aalge albionis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Razorbill (Alca torda islandica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Seabird assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Hornsea Mere SPA; Flamborough and Filey Coast pSPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Flamborough Head SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Hornsea Mere SPA; Flamborough and Filey Coast pSPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Designated Sites and Interest Features (present within the Licence Block or	ls Euro. site within			<u> </u>	or D activitie	-				Notes
within 10km)	block?	lf a	ctivity is withi	n European	site?	If act	tivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Hornsea Mere SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Gadwall (Anas strepera)		n/a	n/a	n/a	n/a	Yes			activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed	
Mute swan (Cygnus olor)		n/a	n/a	n/a	n/a	Yes	Yes	Yes		with the licence' section (above) should be noted.

Designated Sites and Interest Features (present within the Licence Block or	ls Euro. site within		Can Sta	ige A, B, C d	or D activitie	es be carrie	d out withou	It AEOI?		Notes
within 10km)	block?	lf ac	ctivity is withi	n European :	site?	If ac	tivity is outsic	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Flamborough Head SAC	No	-			-	-				This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Reefs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
Vegetated sea cliffs of the Atlantic and Baltic Coasts		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
Submerged or partially submerged sea caves		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Flamborough and Filey Coast pSPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Black-legged kittiwake (Rissa tridactyla)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
Gannet (Morus bassanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
Common guillemot (Uria aalge albionis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Razorbill (Alca torda islandica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Seabird assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Flamborough Head and Bempton Cliffs SPA; Flamborough and Filey Coast pSPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Flamborough Head SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Flamborough Head and Bempton Cliffs SPA; Flamborough and Filey Coast pSPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

(present within the Licence Block or	ls Euro. site within			age A, B, C c		-				Notes
within 10km)	block?	li ac	ctivity is withi	n European :	Sile ?	n aci	ivity is outsit	de European	Sile?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Flamborough Head and Bempton Cliffs SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered
Black-legged kittiwake (Rissa tridactyla)		n/a	n/a	n/a	n/a	Yes	Yes	Yes		likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Designated Sites and Interest Features (present within the Licence Block or	ls Euro. site within		Can Sta	nge A, B, C d	or D activitie	es be carrie	d out withou	It AEOI?		Notes
within 10km)	block?	lf ac	ctivity is withi	n European	site?	If ac	tivity is outsid	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Flamborough Head SAC	Yes			-	-				-	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth
Reefs		Yes	No	No	No	Yes	Yes	Yes	Yes	(so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Vegetated sea cliffs of the Atlantic and Baltic Coasts		Yes	No	No	No	Yes	Yes	Yes	Yes	- Stage B, C and D activities within the European site boundary are considered likely to result
Submerged or partially submerged sea caves		Yes	No	No	No	Yes	Yes	Yes	Yes	in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Flamborough and Filey Coast pSPA	No									This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C
Black-legged kittiwake (Rissa tridactyla)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	and D activities undertaken at depth (so that effects do not register at surface) are not
Gannet (Morus bassanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Common guillemot (Uria aalge albionis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Razorbill (Alca torda islandica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Seabird assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Flamborough Head and Bempton Cliffs SPA; Flamborough and Filey Coast pSPA.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Flamborough Head and Bempton Cliffs SPA; Flamborough and Filey Coast pSPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Flamborough Head SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Flamborough Head and Bempton Cliffs SPA; Flamborough and Filey Coast pSPA.

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The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Designated Sites and Interest Features (present within the Licence Block or	ls Euro. site within		Can Sta	ge A, B, C c	or D activitie	s be carried	l out withou	t AEOI?		Notes
within 10km)	block?	lf ac	tivity is withii	n European s	site?	lf acti	ivity is outsic	le European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site within		Can Sta	age A, B, C o	or D activitie	es be carrie	d out withou	It AEOI?		Notes
(present within the Licence Block or within 10km)	block?	lf ac	ctivity is withi	in European	site?	If act	tivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Flamborough Head and Bempton Cliffs SPA Black-legged kittiwake (Rissa tridactyla)	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Flamborough Head SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth
Reefs		Yes	No	No	No	Yes	Yes	Yes	Yes	(so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Vegetated sea cliffs of the Atlantic and Baltic Coasts		Yes	No	No	No	Yes	Yes	Yes	Yes	- Stage B, C and D activities within the European site boundary are considered likely to result
Submerged or partially submerged sea caves		Yes	No	No	No	Yes	Yes	Yes	Yes	in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Flamborough and Filey Coast pSPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth
Black-legged kittiwake (Rissa tridactyla)		No	No	No	No	Yes	Yes	Yes	Yes	 (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed wit the licence' section (above) should be noted.
Gannet (Morus bassanus)		No	No	No	No	Yes	Yes	Yes	Yes	
Common guillemot (Uria aalge albionis)		No	No	No	No	Yes	Yes	Yes	Yes	
Razorbill (Alca torda islandica)		No	No	No	No	Yes	Yes	Yes	Yes	
Seabird assemblage		No	No	No	No	Yes	Yes	Yes	Yes	

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Flamborough and Filey Coast pSPA.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Flamborough Head and Bempton Cliffs SPA, Flamborough and Filey Coast pSPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Flamborough Head SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Flamborough Head and Bempton Cliffs SPA, Flamborough and Filey Coast pSPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

	ls Euro. site within				or D activitie	1				Notes
within 10km)	block?	lf ac	ctivity is withi	in European	site?	If act	ivity is outsid	le European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Flamborough Head and Bempton Cliffs SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered
Black-legged kittiwake (Rissa tridactyla)		n/a	n/a	n/a	n/a	Yes	Yes	Yes		likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Designated Sites and Interest Features (present within the Licence Block or	ls Euro. site within		Can Sta	ge A, B, C d	or D activitie	s be carried	d out withou	It AEOI?		Notes
	block?	lf ac	ctivity is within	n European	site?	If act	tivity is outsid	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Flamborough Head SAC	No		-			-		-	-	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Reefs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
Vegetated sea cliffs of the Atlantic and Baltic Coasts		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
Submerged or partially submerged sea caves		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Flamborough and Filey Coast pSPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth
Black-legged kittiwake (Rissa tridactyla)		No	No	No	No	Yes	Yes	Yes	Yes	(so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Gannet (Morus bassanus)		No	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to
Common guillemot (Uria aalge albionis)		No	No	No	No	Yes	Yes	Yes	Yes	result in AEOI – see 'Conditions proposed for the licence' (above).
Razorbill (Alca torda islandica)		No	No	No	No	Yes	Yes	Yes	Yes	 for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Seabird assemblage		No	No	No	No	Yes	Yes	Yes	Yes	

Granting of licence proposed?: Yes

Conditions proposed for the licence

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Humber Estuary Ramsar, Humber Estuary SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Humber Estuary Ramsar, Humber Estuary SAC, Saltfleetby–Theddlethorpe Dunes and Gibraltar Point SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration affects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Humber Estuary Ramsar, Humber Estuary SPA, Humber Estuary SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on

Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within	Is Euro. site within block?		Can S	Stage A, B, C	or D activiti	es be carried	l out without	AEOI?		Notes
10km)		lf a	activity is with	in European s	site?	lf a	ctivity is outsi	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Humber Estuary Ramsar	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that
Criterion 5 - regularly supports 20,000 or more waterbirds	6	No	No	No	No	Yes	Yes	Yes	Tes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Criterion 1 - sites containing representative, rare or unique wetland types		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). for activities occurring outside the boundary of the European site, the 'Advice proposed with the
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity		Yes	No	No	No	Yes	Yes	Yes		licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		No	No	No	No	Yes	Yes	Yes	Yes	
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path)	Yes	No	No	No	Yes	Yes	Yes	Yes	

Designated Sites and Interest Features Dresent within the Licence Block or within	Is Euro. site within block?		Can	Stage A, B, C	or D activitie	es be carried	l out without	AEOI?		Notes
Okm)	within block?	lf a	activity is with	in European s	site?	lf a	ctivity is outsi	de European	site?	-
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
umber Estuary SPA	Yes	1				1		1		This site is present within the licence block. Stage A, B, C and D activities undertaken
reat bittern (Botaurus stellaris)		No	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With register at surface, the following about the pater.
reat bittern (Botaurus stellaris)		No	No	No	No	Yes	Yes	Yes	Yes	or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likel
reater scaup (Aythya marila)		No	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
allard (Anas platyrhynchos)		No	No	No	No	Yes	Yes	Yes	Yes	 - for activities occurring outside the boundary of the European site, the 'Advice propose licenses' section (above) should be noted
rey plover (Pluvialis squatarola)		No	No	No	No	Yes	Yes	Yes	Yes	licence' section (above) should be noted.
orthern lapwing (Vanellus vanellus)		No	No	No	No	Yes	Yes	Yes	Yes	
ed knot (Calidris canutus)		No	No	No	No	Yes	Yes	Yes	Yes	
ed knot (Calidris canutus)		No	No	No	No	Yes	Yes	Yes	Yes	
anderling (Calidris alba)		No	No	No	No	Yes	Yes	Yes	Yes	
anderling (Calidris alba)		No	No	No	No	Yes	Yes	Yes	Yes	
unlin (Calidris alpina schinzii)		No	No	No	No	Yes	Yes	Yes	Yes	
unlin (Calidris alpina schinzii)		No	No	No	No	Yes	Yes	Yes	Yes	
		No	No	No	No		Yes		Yes	
uff (Philomachus pugnax)						Yes		Yes		
ey plover (Pluvialis squatarola)		No	No	No	No	Yes	Yes	Yes	Yes	
aterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	
ack-tailed godwit (Limosa limosa islandica)		No	No	No	No	Yes	Yes	Yes	Yes	
ack-tailed godwit (Limosa limosa islandica)		No	No	No	No	Yes	Yes	Yes	Yes	
ar-tailed godwit (Limosa lapponica)		No	No	No	No	Yes	Yes	Yes	Yes	
himbrel (Numenius phaeopus)		No	No	No	No	Yes	Yes	Yes	Yes	
urasian curlew (Numenius arquata)		No	No	No	No	Yes	Yes	Yes	Yes	
ommon redshank (Tringa totanus)		No	No	No	No	Yes	Yes	Yes	Yes	
ommon redshank (Tringa totanus)		No	No	No	No	Yes	Yes	Yes	Yes	
ommon greenshank (Tringa nebularia)		No	No	No	No	Yes	Yes	Yes	Yes	
uddy turnstone (Arenaria interpres)		No	No	No	No	Yes	Yes	Yes	Yes	
ittle tern (Sterna albifrons)		No	No	No	No	Yes	Yes	Yes	Yes	
ght-bellied brent goose (Branta bernicla hrota)		No	No	No	No	Yes	Yes	Yes	Yes	
ommon shelduck (Tadorna tadorna)		No	No	No	No	Yes	Yes	Yes	Yes	
uropean golden plover (Pluvialis apricaria)		No	No	No	No	Yes	Yes	Yes	Yes	
urasian marsh harrier (Circus aeruginosus)		No	No	No	No	Yes	Yes	Yes	Yes	
ommon goldeneye (Bucephala clangula)		No	No	No	No	Yes	Yes	Yes	Yes	
urasian oystercatcher (Haematopus ostralegus)		No	No	No	No	Yes	Yes	Yes	Yes	
ed avocet (Recurvirostra avosetta)		No	No	No	No	Yes	Yes	Yes	Yes	
urasian wigeon (Anas penelope)		No	No	No	No	Yes	Yes	Yes	Yes	
Irasian teal (Anas crecca)		No	No	No	No	Yes	Yes	Yes	Yes	
ommon pochard (Aythya ferina)		No	No	No	No	Yes	Yes	Yes	Yes	
ied avocet (Recurvirostra avosetta)		No	No	No	No	Yes	Yes	Yes	Yes	
inged plover (Charadrius hiaticula)		No	No	No	No	Yes	Yes	Yes	Yes	
• • • •		No	No	No	No	Yes	Yes	Yes	Yes	
inged plover (Charadrius hiaticula) en harrier (Circus cyaneus)		NO	NO	NO NO	NU	165	165	165	165	

	ls Euro. site within block?		Can	Stage A, B, C	cor D activiti	ies be carried	l out without	AEOI?		Notes
10km)	WILIIIII DIOCK?	lf	activity is with	in European :	site?	lf a	activity is outs	ide European	site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
Humber Estuary SAC	Yes	•						•		This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so the
Sandbanks which are slightly covered by sea water all the time		Yes	No	No	No	Yes	Yes	Yes	Yes	effects do not register at surface) are not considered likely to result in AEOI. With regard to activities or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in
Estuaries		Yes	No	No	No	Yes	Yes	Yes	Yes	AEOI – see 'Conditions proposed for the licence' (above).
Mudflats and sandflats not covered by seawater at low tide		Yes	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Coastal lagoons		Yes	No	No	No	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and sand		Yes	No	No	No	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Embryonic shifting dunes		Yes	No	No	No	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	
Dunes with Hippopha rhamnoides		Yes	No	No	No	Yes	Yes	Yes	Yes	
Sea lamprey (Petromyzon marinus)		No	No	No	No	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		No	No	No	No	Yes	Yes	Yes	Yes	
Grey seal (Halichoerus grypus)		No	No	No	No	Yes	Yes	Yes	Yes	
Saltfleetby–Theddlethorpe Dunes and Gibraltar Point SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activitie undertaken at depth (so that effects do not register at surface) are not considered likely to result in
Embryonic shifting dunes		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunes with Hippopha rhamnoides		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Humid dune slacks		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Licence block: TF06										
Granting of Licence Proposed?: Ye	es									
Condtions proposed for the										
Advice proposed for the licence										
Assessment of Effects on Relevan	t Europ	ean Sit	tes							
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site		Can Stag	е А, В, С о	r D activitie	es be carrie	ed out with	out AEOI?)	Notes
	within	If act	tivity is with	in Europea	n site?	lf acti	vity is outsi	de Europea	n site?	
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
						none				

Licence block: TF07e										
Granting of Licence Proposed?: Ye	es									
Condtions proposed for the										
Advice proposed for the licence										
Assessment of Effects on Relevan	t Europ	ean Sit	tes							
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site		Can Stag	е А, В, С о	r D activitie	es be carrie	ed out with	out AEOI?)	Notes
	within	If act	tivity is with	in Europea	n site?	lf acti	ivity is outsi	de Europea	n site?	
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
						none				

Licence block: TF07f										
Granting of Licence Proposed?: Ye	es									
Condtions proposed for the										
Advice proposed for the licence										
Assessment of Effects on Relevan	t Europ	ean Sit	tes							
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site		Can Stag	е А, В, С о	r D activitie	es be carrie	ed out with	out AEOI?)	Notes
	within	If act	tivity is with	in Europea	n site?	lf acti	vity is outsi	de Europea	n site?	
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
						none				

Licence block: TF17										
Granting of Licence Proposed?: Ye	es									
Condtions proposed for the										
Advice proposed for the licence										
Assessment of Effects on Relevan	t Europ	ean Sit	tes							
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site		Can Stag	е А, В, С о	r D activitie	es be carrie	ed out with	out AEOI?)	Notes
	within	If act	tivity is with	in Europea	n site?	lf acti	vity is outsi	de Europea	n site?	
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
						none				

Licence block: TF18b										
Granting of Licence Proposed?: Ye	es									
Condtions proposed for the										
Advice proposed for the licence										
Assessment of Effects on Relevan	t Europ	ean Sit	tes							
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site		Can Stag	е А, В, С о	or D activitie	es be carrie	ed out with	out AEOI?	,	Notes
	within	If act	tivity is with	in Europea	n site?	If acti	vity is outsi	de Europea	n site?	
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
						none				

Licence block: TF36										
Granting of Licence Proposed?: Ye	es									
Condtions proposed for the										
Advice proposed for the licence										
Assessment of Effects on Relevan	t Europ	ean Sit	tes							
Designated Sites and Interest Features (present within the Licence Block or within 10km)	ls Euro. site		Can Stag	е А, В, С о	or D activitie	es be carrie	ed out with	out AEOI?		Notes
	within	If act	tivity is with	in Europea	n site?	If acti	vity is outsi	de Europea	in site?	
	block?	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D]
						none				

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site its lits. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Humber Estuary Ramsar, Humber Estuary SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Humber Estuary Ramsar, Humber Estuary SAC, Saltfleetby–Theddlethorpe Dunes and Gibraltar Point SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Humber Estuary Ramsar, Humber Estuary SPA, Humber Estuary SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features	Is Euro. site		Can Sta	ge A, B, C o	r D activitie	s be carried	l out withou	t AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf ac	tivity is withi	n European s	site?	If act	ivity is outsic	le European	site?	
within Tokin)	DIOCK ?									
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Designated Sites and Interest Features present within the Licence Block or	ls Euro. site within		Can Sta	age A, B, C	or D activiti	es be carrie	d out witho	ut AEOI?		Notes
•	block?	lf a	ctivity is with	in European	site?	lf ac	tivity is outs	de Europear	n site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	7
lumber Estuary Ramsar	No				- -				- -	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and
Criterion 5 - regularly supports 20,000 or more		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice propose
vaterbirds Criterion 1 - sites containing representative, rare or nique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
Priterion 3 - supports populations of plant/animal pecies important for maintaining regional		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
oritorion 6 - regularly supports 1% of the individuals		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
n a population of one species/subspecies of vaterbirds		- 1-	- 1-	. 1.	- 1-	Maa	Mar	Maa	Maa	
Criterion 8 - important source of food for fishes, pawning ground, nursery and/or migration path		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
lumber Estuary SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and
Freat bittern (Botaurus stellaris)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice propose
Freat bittern (Botaurus stellaris)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
reater scaup (Aythya marila)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
lallard (Anas platyrhynchos)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
rey plover (Pluvialis squatarola)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
orthern lapwing (Vanellus vanellus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ed knot (Calidris canutus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ed knot (Calidris canutus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
anderling (Calidris alba)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
anderling (Calidris alba)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
unlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
unlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
uff (Philomachus pugnax)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
rey plover (Pluvialis squatarola)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
/aterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
•									Yes	
lack-tailed godwit (Limosa limosa islandica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes		
lack-tailed godwit (Limosa limosa islandica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ar-tailed godwit (Limosa lapponica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
/himbrel (Numenius phaeopus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
urasian curlew (Numenius arquata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ommon greenshank (Tringa nebularia)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
uddy turnstone (Arenaria interpres)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ttle tern (Sterna albifrons)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ght-bellied brent goose (Branta bernicla hrota)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ommon shelduck (Tadorna tadorna)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
uropean golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
urasian marsh harrier (Circus aeruginosus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ommon goldeneye (Bucephala clangula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
urasian oystercatcher (Haematopus ostralegus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ed avocet (Recurvirostra avosetta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
urasian wigeon (Anas penelope)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian teal (Anas crecca)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common pochard (Aythya ferina)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site		Can Sta	ge A, B, C d	or D activitie	es be carrie	d out witho	It AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	If ac	ctivity is withi	n European	site?	If ac	tivity is outsi	de European	site?	•
	Diooni	Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Pied avocet (Recurvirostra avosetta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	L
Ringed plover (Charadrius hiaticula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
len harrier (Circus cyaneus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
lumber Estuary SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B,
andbanks which are slightly covered by sea water II the time		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not cons likely to result in AEOI. With regard to activities at or near the surface, the 'Advice pr
stuaries		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
/ludflats and sandflats not covered by seawater at ow tide		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Coastal lagoons		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and and and		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
itlantic salt meadows (Glauco-Puccinellietalia naritimae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Embryonic shifting dunes		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
hifting dunes along the shoreline with Ammophila renaria ("white dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Fixed coastal dunes with herbaceous vegetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunes with Hippopha•rhamnoides		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey seal (Halichoerus grypus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Saltfleetby–Theddlethorpe Dunes and Gibraltar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B,
Point SAC Embryonic shifting dunes		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not cons likely to result in AEOI. With regard to activities at or near the surface, the 'Advice pr
hifting dunes along the shoreline with Ammophila		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
renaria ("white dunes") ixed coastal dunes with herbaceous vegetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
"grey dunes") Dunes with Hippopha•rhamnoides		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Humid dune slacks		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site its lits. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Humber Estuary Ramsar, Humber Estuary SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Humber Estuary Ramsar, Humber Estuary SAC, Saltfleetby–Theddlethorpe Dunes and Gibraltar Point SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Humber Estuary Ramsar, Humber Estuary SPA, Humber Estuary SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or	ls Euro. site within		Can Sta	ge A, B, C o	r D activitie	s be carried	l out withou	t AEOI?		Notes
within 10km)	block?	lf ac	tivity is withir	n European s	site?	If acti	ivity is outsic	le European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Designated Sites and Interest Features present within the Licence Block or	ls Euro. site within		Can Sta	age A, B, C	or D activitie	es be carrie	ed out witho	ut AEOI?		Notes
vithin 10km)	block?	lf a	ctivity is with	in European	site?	lf ac	ctivity is outs	ide Europear	n site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
lumber Estuary Ramsar	No		- -							This site is outside the licence block, but less than 1km from the block boundary. Stage A,
Criterion 5 - regularly supports 20,000 or more		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Ac
vaterbirds Criterion 1 - sites containing representative, rare or		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	proposed with the licence' section (above) should be noted.
inique wetland types Criterion 3 - supports populations of plant/animal		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
pecies important for maintaining regional piodiversity										
Criterion 6 - regularly supports 1% of the individuals a population of one species/subspecies of		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
vaterbirds										
Criterion 8 - important source of food for fishes,		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
pawning ground, nursery and/or migration path Iumber Estuary SPA	No									This site is outside the licence block, but less than 1km from the block boundary. Stage A
Great bittern (Botaurus stellaris)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	C and D activities undertaken at depth (so that effects do not register at surface) are not
Great bittern (Botaurus stellaris)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	considered likely to result in AEOI. With regard to activities at or near the surface, the 'Au proposed with the licence' section (above) should be noted.
Greater scaup (Aythya marila)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
fallard (Anas platyrhynchos)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey plover (Pluvialis squatarola)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
orthern lapwing (Vanellus vanellus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ed knot (Calidris canutus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ed knot (Calidris canutus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
anderling (Calidris alba)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
anderling (Calidris alba)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
unlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
unlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
uff (Philomachus pugnax)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
irey plover (Pluvialis squatarola)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
/aterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ack-tailed godwit (Limosa limosa islandica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
lack-tailed godwit (Limosa limosa islandica)		n/a	n/a	n/a	n/a n/a	Yes	Yes	Yes	Yes	
ar-tailed godwit (Limosa lapponica)		n/a	n/a n/a	n/a n/a	n/a n/a	Yes	Yes	Yes	Yes	
/himbrel (Numenius phaeopus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
urasian curlew (Numenius arquata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ommon redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ommon redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ommon greenshank (Tringa nebularia)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
uddy turnstone (Arenaria interpres)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ttle tern (Sterna albifrons)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ght-bellied brent goose (Branta bernicla hrota)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ommon shelduck (Tadorna tadorna)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
uropean golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
urasian marsh harrier (Circus aeruginosus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ommon goldeneye (Bucephala clangula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
urasian oystercatcher (Haematopus ostralegus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ied avocet (Recurvirostra avosetta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
urasian wigeon (Anas penelope)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
urasian teal (Anas crecca)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common pochard (Aythya ferina)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site		Can Sta	ge A, B, C d	or D activitie	es be carrie	d out withou	It AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	If ac	ctivity is withi	n European	site?	If act	tivity is outsid	le European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Pied avocet (Recurvirostra avosetta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Hen harrier (Circus cyaneus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Humber Estuary SAC	No									This site is outside the licence block, but less than 1km from the block boundary. Stage A, B,
Sandbanks which are slightly covered by sea water all the time		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice
Estuaries		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	proposed with the licence' section (above) should be noted.
Mudflats and sandflats not covered by seawater at low tide		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Coastal lagoons		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and sand		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Embryonic shifting dunes		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunes with Hippopha•rhamnoides		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey seal (Halichoerus grypus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Saltfleetby–Theddlethorpe Dunes and Gibraltar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Point SAC Embryonic shifting dunes		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunes with Hippopha•rhamnoides		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Humid dune slacks		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Gibraltar Point Ramsar, The Wash Ramsar, The Wash SPA, Gibraltar Point SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Gibraltar Point Ramsar, The Wash Ramsar, The Wash and North Norfolk Coast SAC, Saltfleetby–Theddlethorpe Dunes and Gibraltar Point SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are The Wash and North Norfolk Coast SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Gibraltar Point Ramsar, The Wash Ramsar, The Wash SPA, Gibraltar Point SPA, The Wash and North Norfolk Coast SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on Relevant European Sites	_									
	ls Euro. site within		Can Stag	ge A, B, C o	r D activitie	s be carried	l out withou	t AEOI?		Notes
within 10km)	block?	If ac	tivity is withir	n European s	site?	lf acti	ivity is outsic	e European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site		Can Sta	ige A, B, C d	or D activitie	es be carrie	d out withou	It AEOI?		Notes
present within the Licence Block or vithin 10km)	within block?	lf ac	ctivity is with	in European	site?	If act	tivity is outsid	de European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
ibraltar Point Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and
riterion 1 - sites containing representative, rare or		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice propose
nique wetland types riterion 5 - regularly supports 20,000 or more		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
aterbirds riterion 6 - regularly supports 1% of the individuals		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
a population of one species/subspecies of										
vaterbirds Criterion 2 - supports vulnerable, endangered, or		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ritically endangered species or threatened eco.										
ommunities he Wash Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and
Criterion 1 - sites containing representative, rare or		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered
nique wetland types										likely to result in AEOI. With regard to activities at or near the surface, the 'Advice propose with the licence' section (above) should be noted.
Criterion 3 - supports populations of plant/animal species important for maintaining regional		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
biodiversity						N/	N/	N	N/	
Criterion 6 - regularly supports 1% of the individuals a population of one species/subspecies of		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
vaterbirds										
Criterion 5 - regularly supports 20,000 or more vaterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
he Wash SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and
uddy turnstone (Arenaria interpres)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considerer likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposi-
ommon redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
common tern (Sterna hirundo)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ittle tern (Sterna albifrons)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ar-tailed godwit (Limosa lapponica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey plover (Pluvialis squatarola)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
urasian curlew (Numenius arquata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
adwall (Anas strepera)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Vaterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ink-footed goose (Anser brachyrhynchus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ight-bellied brent goose (Branta bernicla hrota)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
anderling (Calidris alba)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
urasian wigeon (Anas penelope)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
lack-tailed godwit (Limosa limosa islandica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
lorthern pintail (Anas acuta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Black (common) scoter (Melanitta nigra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common goldeneye (Bucephala clangula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
urasian oystercatcher (Haematopus ostralegus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Red knot (Calidris canutus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
undra swan (Cygnus columbianus bewickii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
unlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
common shelduck (Tadorna tadorna)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ibraltar Point SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C ar
ittle tern (Sterna albifrons)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considere likely to result in AEOI. With regard to activities at or near the surface, the 'Advice propos
ar-tailed godwit (Limosa lapponica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
Vaterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
anderling (Calidris alba)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey plover (Pluvialis squatarola)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Assessment of Effects on										
Relevant European Sites										
	ls Euro. site		Can Sta	age A, B, C	or D activitie	es be carrie	d out witho	ut AEOI?		Notes
u contra de la contra c	within	lf a	otivity is with	nin European :	noito?	I If a	ctivity is outsic	ido Europoa	n cito?	4
within 10km)	block?	11 ac	livity is within	Il European .	sile :		IVILY IS OULSIC	le Luiopean	Sile :	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
The Wash and North Norfolk Coast SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Sandbanks which are slightly covered by sea water		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
all the time Mudflats and sandflats not covered by seawater at		n/a	n/a	nla	n/o	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
Inudriats and sandriats not covered by seawater at low tide		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Coastal lagoons		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Large shallow inlets and bays		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Reefs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
sand Atlantic salt meadows (Glauco-Puccinellietalia		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
maritimae)										
Mediterranean and thermo-Atlantic halophilous scrubs (Sarcocornetea fruticosi)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common seal (Phoca vitulina)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Saltfleetby–Theddlethorpe Dunes and Gibraltar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Point SAC Embryonic shifting dunes		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
Emoryonic sninting dunes Shifting dunes along the shoreline with Ammophila					n/a n/a	Yes			Yes	with the licence' section (above) should be noted.
arenaria ("white dunes")		n/a	n/a	n/a	n/a	Yes	Yes	res	res	
Fixed coastal dunes with herbaceous vegetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
("grey dunes") Dunes with Hippopha•rhamnoides		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Humid dune slacks			n/a		n/a	Yes			Yes	
		1va	1#a	1#a	1#a	163	163	163	163	

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site its lits. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Humber Estuary Ramsar, Humber Estuary SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Humber Estuary Ramsar, Saltfleetby–Theddlethorpe Dunes and Gibraltar Point SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Humber Estuary Ramsar, Humber Estuary SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or	ls Euro. site within		Can Stag	ge A, B, C o	r D activitie	s be carried	l out withou	t AEOI?		Notes
within 10km)	block?	lf ac	tivity is withiı	n European s	site?	If act	ivity is outsic	le European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Designated Sites and Interest Features present within the Licence Block or	ls Euro. site within		Can Sta	age A, B, C	or D activiti	es be carrie	d out witho	ut AEOI?		Notes
•	block?	lf a	ctivity is with	in European	site?	lf ac	tivity is outs	de Europear	n site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
lumber Estuary Ramsar	No				- -					This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and
Criterion 5 - regularly supports 20,000 or more		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice propose
vaterbirds Criterion 1 - sites containing representative, rare or nique wetland types		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
Priterion 3 - supports populations of plant/animal pecies important for maintaining regional		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
oritorion 6 - regularly supports 1% of the individuals		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
n a population of one species/subspecies of vaterbirds		. (- 1-	. 1.	- 1-	Maa	Maa	Maa	Maa	
Criterion 8 - important source of food for fishes, pawning ground, nursery and/or migration path		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
lumber Estuary SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and
Great bittern (Botaurus stellaris)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice propose
Freat bittern (Botaurus stellaris)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
reater scaup (Aythya marila)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
lallard (Anas platyrhynchos)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
rey plover (Pluvialis squatarola)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
orthern lapwing (Vanellus vanellus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ed knot (Calidris canutus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ed knot (Calidris canutus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
anderling (Calidris alba)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
anderling (Calidris alba)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
unlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
unlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
uff (Philomachus pugnax)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
rey plover (Pluvialis squatarola)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
/aterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
•									Yes	
lack-tailed godwit (Limosa limosa islandica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes		
lack-tailed godwit (Limosa limosa islandica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ar-tailed godwit (Limosa lapponica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Vhimbrel (Numenius phaeopus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
urasian curlew (Numenius arquata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ommon redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ommon greenshank (Tringa nebularia)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
uddy turnstone (Arenaria interpres)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ttle tern (Sterna albifrons)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ght-bellied brent goose (Branta bernicla hrota)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ommon shelduck (Tadorna tadorna)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
uropean golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
urasian marsh harrier (Circus aeruginosus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ommon goldeneye (Bucephala clangula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
urasian oystercatcher (Haematopus ostralegus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
ied avocet (Recurvirostra avosetta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
urasian wigeon (Anas penelope)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
urasian teal (Anas crecca)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common pochard (Aythya ferina)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Designated Sites and Interest Features (present within the Licence Block or	ls Euro. site within		Can Sta	ge A, B, C d	or D activitie	es be carrie	d out witho	ut AEOI?		Notes
within 10km)	block?	lf ac	ctivity is withi	n European	site?	If act	tivity is outsi	de European	site?	1
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	1
Pied avocet (Recurvirostra avosetta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	•
Ringed plover (Charadrius hiaticula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Hen harrier (Circus cyaneus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Saltfleetby–Theddlethorpe Dunes and Gibraltar Point SAC Embryonic shifting dunes		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C an activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposi-
Shifting dunes along the shoreline with Ammophila renaria ("white dunes")				n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
ixed coastal dunes with herbaceous vegetation " "grey dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunes with Hippopha•rhamnoides		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Humid dune slacks		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Humber Estuary Ramsar, Humber Estuary SPA.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Humber Estuary Ramsar, Humber Estuary SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Humber Estuary Ramsar, Humber Estuary SAC, Saltfleetby–Theddlethorpe Dunes and Gibraltar Point SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Humber Estuary Ramsar, Humber Estuary SPA, Humber Estuary SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on Relevant European Sites										
	ls Euro. site		Can Sta	ge A, B, C o	r D activitie	s be carried	l out withou	t AEOI?		Notes
(present within the Licence Block or	within	16				16 1			- 11 - 0	
within 10km)	block?	IT act	tivity is withiı	n European s	site?	If acti	ivity is outsic	e European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Designated Sites and Interest Features present within the Licence Block or	ls Euro. site within		Can Sta	age A, B, C	or D activitie	es be carrie	d out witho	ut AEOI?		Notes
within 10km)	block?	If a	ctivity is with	in European	site?	lf ac	tivity is outs	de Europear	n site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
lumber Estuary Ramsar	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at de
Criterion 5 - regularly supports 20,000 or more vaterbirds		No	No	No	No	Yes	Yes	Yes	Yes	(so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Criterion 1 - sites containing representative, rare or		Yes	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
inique wetland types Criterion 3 - supports populations of plant/animal		Yes	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed w
pecies important for maintaining regional										the licence' section (above) should be noted.
iodiversitv Criterion 6 - regularly supports 1% of the individuals		No	No	No	No	Yes	Yes	Yes	Yes	
a population of one species/subspecies of										
vaterbirds Criterion 8 - important source of food for fishes,		Yes	No	No	No	Yes	Yes	Yes	Yes	
pawning ground, nursery and/or migration path							,			
umber Estuary SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at do
reat bittern (Botaurus stellaris)		No	No	No	No	Yes	Yes	Yes	Yes	(so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
reat bittern (Botaurus stellaris)		No	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to
ireater scaup (Aythya marila)		No	No	No	No	Yes	Yes	Yes	Yes	result in AEOI – see 'Conditions proposed for the licence' (above).
lallard (Anas platyrhynchos)		No	No	No	No	Yes	Yes	Yes	Yes	 - for activities occurring outside the boundary of the European site, the 'Advice proposed's the licence' section (above) should be noted.
rey plover (Pluvialis squatarola)		No	No	No	No	Yes	Yes	Yes	Yes	
orthern lapwing (Vanellus vanellus)		No	No	No	No	Yes	Yes	Yes	Yes	
ed knot (Calidris canutus)		No	No	No	No	Yes	Yes	Yes	Yes	
ed knot (Calidris canutus)		No	No	No	No	Yes	Yes	Yes	Yes	
anderling (Calidris alba)		No	No	No	No	Yes	Yes	Yes	Yes	
anderling (Calidris alba)		No	No	No	No	Yes	Yes	Yes	Yes	
unlin (Calidris alpina schinzii)		No	No	No	No	Yes	Yes	Yes	Yes	
unlin (Calidris alpina schinzii)		No	No	No	No	Yes	Yes	Yes	Yes	
tuff (Philomachus pugnax)		No	No	No	No	Yes	Yes	Yes	Yes	
rey plover (Pluvialis squatarola)		No	No	No	No	Yes	Yes	Yes	Yes	
/aterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	
lack-tailed godwit (Limosa limosa islandica)		No	No	No	No	Yes	Yes	Yes	Yes	
lack-tailed godwit (Limosa limosa islandica)		No	No	No	No	Yes	Yes	Yes	Yes	
ar-tailed godwit (Limosa lapponica)		No	No	No	No	Yes	Yes	Yes	Yes	
/himbrel (Numenius phaeopus)		No	No	No	No	Yes	Yes	Yes	Yes	
urasian curlew (Numenius arquata)		No	No	No	No	Yes	Yes	Yes	Yes	
ommon redshank (Tringa totanus)		No	No	No	No	Yes	Yes	Yes	Yes	
ommon redshank (Tringa totanus)		No	No	No	No	Yes	Yes	Yes	Yes	
ommon greenshank (Tringa nebularia)		No	No	No	No	Yes	Yes	Yes	Yes	
uddy turnstone (Arenaria interpres)		No	No	No	No	Yes	Yes	Yes	Yes	
ttle tern (Sterna albifrons)		No	No	No	No	Yes	Yes	Yes	Yes	
ight-bellied brent goose (Branta bernicla hrota)		No	No	No	No	Yes	Yes	Yes	Yes	
ommon shelduck (Tadorna tadorna)		No	No	No	No	Yes	Yes	Yes	Yes	
uropean golden plover (Pluvialis apricaria)		No	No	No	No	Yes	Yes	Yes	Yes	
urasian marsh harrier (Circus aeruginosus)		No	No	No	No	Yes	Yes	Yes	Yes	
ommon goldeneye (Bucephala clangula)		No	No	No	No	Yes	Yes	Yes	Yes	
urasian oystercatcher (Haematopus ostralegus)		No	No	No	No	Yes	Yes	Yes	Yes	
ed avocet (Recurvirostra avosetta)		No	No	No	No	Yes	Yes	Yes	Yes	
urasian wigeon (Anas penelope)		No	No	No	No	Yes	Yes	Yes	Yes	
Eurasian teal (Anas crecca)		No	No	No	No	Yes	Yes	Yes	Yes	
ommon pochard (Aythya ferina)		No	No	No	No	Yes	Yes	Yes	Yes	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site		Can Sta	ge A, B, C d	or D activitie	s be carrie	d out withou	It AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	If ac	ctivity is withi	n European	site?	If act	tivity is outsid	le European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Pied avocet (Recurvirostra avosetta)	-	No	No	No	No	Yes	Yes	Yes	Yes	• •
Ringed plover (Charadrius hiaticula)		No	No	No	No	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		No	No	No	No	Yes	Yes	Yes	Yes	
Hen harrier (Circus cyaneus)		No	No	No	No	Yes	Yes	Yes	Yes	
Humber Estuary SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and I
Sandbanks which are slightly covered by sea water all the time		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the integral entry of the surface of the surfac
Estuaries		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
Mudflats and sandflats not covered by seawater at low tide		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Coastal lagoons		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and sand		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Embryonic shifting dunes		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunes with Hippopha•rhamnoides		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey seal (Halichoerus grypus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Saltfleetby–Theddlethorpe Dunes and Gibraltar Point SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at dep (so that effects do not register at surface) are not considered likely to result in AEOI. With
Embryonic shifting dunes		Yes	No	No	No	Yes	Yes	Yes	Yes	regard to activities 'at or near the surface', the following should be noted:
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	 Stage B, C and D activities within the European site boundary are considered likely to resu in AEOI – see 'Conditions proposed for the licence' (above).
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed wi the licence' section (above) should be noted.
Dunes with Hippopha•rhamnoides		Yes	No	No	No	Yes	Yes	Yes	Yes	
Humid dune slacks		Yes	No	No	No	Yes	Yes	Yes	Yes	

Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Gibraltar Point Ramsar, Gibraltar Point SPA, The Wash and North Norfolk Coast SAC.

Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Gibraltar Point Ramsar, The Wash Ramsar, The Wash SPA, Gibraltar Point SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Gibraltar Point Ramsar, The Wash and North Norfolk Coast SAC, Saltfleetby–Theddlethorpe Dunes and Gibraltar Point SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are The Wash and North Norfolk Coast SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Gibraltar Point Ramsar, The Wash Ramsar, The Wash SPA, Gibraltar Point SPA, The Wash and North Norfolk Coast SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or	ls Euro. site within		Can Sta	ge A, B, C o	or D activitie	s be carried	l out withou	t AEOI?		Notes
within 10km)	block?	If ac	tivity is withii	n European :	site?	lf acti	ivity is outsia	le European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site	1	Can Sta	ge A, B, C d	or D activitie	s be carried	d out withou	ut AEOI?		Notes
(present within the Licence Block or	within	If an	tivity ic with	in European	cito?	If act	ivity is outer	de European	sito?	
within 10km)	block?	n ac	-	-			-			
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Gibraltar Point Ramsar	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth
Criterion 1 - sites containing representative, rare or		Yes	No	No	No	Yes	Yes	Yes	Yes	(so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
unique wetland types Criterion 5 - regularly supports 20,000 or more		No	No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).
waterbirds Criterion 6 - regularly supports 1% of the individuals		No	No	No	No	Yes	Yes	Yes	Yes	- for activities occurring outside the boundary of the European site, the 'Advice proposed with
in a population of one species/subspecies of										the licence' section (above) should be noted.
waterbirds Criterion 2 - supports vulnerable, endangered, or		Yes	No	No	No	Yes	Yes	Yes	Yes	
critically endangered species or threatened eco.										
communities The Wash Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Criterion 1 - sites containing representative, rare or		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered
unique wetland types										likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 3 - supports populations of plant/animal species important for maintaining regional		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
biodiversity										
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
waterbirds										
Criterion 5 - regularly supports 20,000 or more waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
The Wash SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Ruddy turnstone (Arenaria interpres)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered
Common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Common tern (Sterna hirundo)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Little tern (Sterna albifrons)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bar-tailed godwit (Limosa lapponica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey plover (Pluvialis squatarola)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian curlew (Numenius arquata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Gadwall (Anas strepera)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Pink-footed goose (Anser brachyrhynchus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Light-bellied brent goose (Branta bernicla hrota)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sanderling (Calidris alba)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian wigeon (Anas penelope)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Black-tailed godwit (Limosa limosa islandica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern pintail (Anas acuta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Black (common) scoter (Melanitta nigra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common goldeneye (Bucephala clangula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian oystercatcher (Haematopus ostralegus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Red knot (Calidris canutus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Tundra swan (Cygnus columbianus bewickii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Gibraltar Point SPA	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not considered likely to could in AEOL. With
Little tern (Sterna albifrons)			No	No	No	Yes	Yes	Yes	Yes	(so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:
Bar-tailed godwit (Limosa lapponica)			No	No	No	Yes	Yes	Yes	Yes	- Stage A, B, C and D activities within the European site boundary are considered likely to
Waterfowl assemblage		No	No	No	No	Yes	Yes	Yes	Yes	result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with
Sanderling (Calidris alba)		No	No	No	No	Yes	Yes	Yes	Yes	the licence' section (above) should be noted.
Grey plover (Pluvialis squatarola)		No	No	No	No	Yes	Yes	Yes	Yes	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site	1	Can Sta	qe A, B, C d	or D activitie	es be carrie	d out withou	It AEOI?		Notes
(present within the Licence Block or	within	16 .								-
within 10km)	block?	If ac	ctivity is with	n European	SITE ?	If ac	tivity is outsid	ie European	SITE?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Gibraltar Point Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Criterion 1 - sites containing representative, rare or		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
unique wetland types Criterion 5 - regularly supports 20,000 or more		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
waterbirds		n/a	1#a	100	100	103	103	103	103	
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
waterbirds										
Criterion 2 - supports vulnerable, endangered, or		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
critically endangered species or threatened eco. communities										
Humber Estuary Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Criterion 5 - regularly supports 20,000 or more waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
Criterion 1 - sites containing representative, rare or		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
unique wetland types Criterion 3 - supports populations of plant/animal		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 3 - supports populations of plant/animal species important for maintaining regional		n/a	n/a	n/a	n/a	165	105	165	105	
biodiversity		. (.	. (.	. (.	. (.	Mar	Mar	Maa	Maria	
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
waterbirds		,	,					.,		
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Humber Estuary SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Great bittern (Botaurus stellaris)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
Great bittern (Botaurus stellaris)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
Greater scaup (Aythya marila)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Mallard (Anas platyrhynchos)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey plover (Pluvialis squatarola)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern lapwing (Vanellus vanellus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Red knot (Calidris canutus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Red knot (Calidris canutus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sanderling (Calidris alba)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sanderling (Calidris alba)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ruff (Philomachus pugnax)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey plover (Pluvialis squatarola) Waterfowl assemblage		n/a n/a	n/a n/a	n/a n/a	n/a n/a	Yes Yes	Yes Yes	Yes Yes	Yes Yes	
ě										
Black-tailed godwit (Limosa limosa islandica) Black-tailed godwit (Limosa limosa islandica)		n/a n/a	n/a n/a	n/a n/a	n/a n/a	Yes Yes	Yes Yes	Yes Yes	Yes Yes	
Black-tailed godwit (Limosa limosa listalidica) Bar-tailed godwit (Limosa lapponica)		n/a n/a	n/a	n/a n/a	n/a	Yes	Yes	Yes	Yes	
Whimbrel (Numenius phaeopus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian curlew (Numenius arquata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common greenshank (Tringa nebularia)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ruddy turnstone (Arenaria interpres)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Little tern (Sterna albifrons)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Light-bellied brent goose (Branta bernicla hrota)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Relevant European Sites Designated Sites and Interest Features (present within the Licence Block or within 10km) Euro. site within block? Can Stage A, B, C or D activities be carried out without AEOI? Notes If activity is within European site? If activity is outside European site? If activity is outside European site? Notes The Wash and North Norloik Coast SAC Yes Yes No No Yes	Assessment of Effects on										
Designated Sites and Interest Features present within the Licence Block or within prosent within the Licence Block or within block?											
block? If activity is within European site? If activity is outside European site? Stage A Stage A Stage B Stage C Stage B Stage B Stage C Stage A Stage B Stage C Stage A	•	ls Euro. site	<u> </u>	Can Sta	age A, B, C	or D activiti	es be carrie	d out witho	Notes		
The Wash and North Norfolk Coast SAC Yes Yes No No No Yes	u		lf a	ctivity is with	in European	site?	lf ac	tivity is outsi	ide Europear	n site?	-
Sandbarks which are slightly covered by seawater in the line of the time of th			Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Sandbanks which are slightly covered by sea water at Yes No No Yes Yes Yes regard to activities of an entre surface, the following should be noted: Mudflats not covered by seawater at Yes No No Yes Yes Yes Yes Stage A.B.C.ad D.activities with the European site boundary are consite result in AEO1 – see "Conditions proposed for the licence" (above). ow tide Yes No No Yes Yes Yes Yes Yes -for activities occurring outside the boundary of the European site, the 'Adv Castal lagoons Yes No No No Yes	he Wash and North Norfolk Coast SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at a
Auditas and sandflats not covered by seawater at by seawater at by easwater at by easwatere at by easwater at by easwater at by easwater at by easwaterade			Yes	No	No	No	Yes	Yes	Yes	Yes	regard to activities 'at or near the surface', the following should be noted:
Coastal lagoonsYesNoNoNoYesYesYesYesYesYesHe licence' section (above) should be noted.arge shallow inlets and baysYesNoNoNoYesYesYesYesYesReefsYesNoNoNoYesYesYesYesYesYesSalicornia and other annuals colonizing mud and stand and teamYesNoNoYesYesYesYesYesYesAllancic salt meadows (Glauco-Puccinellietalia and dediteranean and thermo-Atlantic halophilous scrubs (Sarcocometed futucos))YesNoNoYesYesYesYesYesOtter (Lutra lutra) Controls sell (Phoca vitulina)NoNoNoYesYesYesYesYesYesSalifietetby-Thedlethorpe Dunes and Gibraltar Embryonic shifting dunes infing dunes slope with harbaceous vegetation rizer dunes?)YesNoNoYes <td>Mudflats and sandflats not covered by seawater at</td> <td></td> <td>Yes</td> <td>No</td> <td>No</td> <td>No</td> <td>Yes</td> <td>Yes</td> <td>Yes</td> <td>Yes</td> <td>result in AEOI – see 'Conditions proposed for the licence' (above).</td>	Mudflats and sandflats not covered by seawater at		Yes	No	No	No	Yes	Yes	Yes	Yes	result in AEOI – see 'Conditions proposed for the licence' (above).
ReafsYesNoNoNoYesYesYesYesYesSalicornia and other annuals colonizing mud and sandYesNoNoNoYesYesYesYesAttantic salt meadows (Glauco-Puccinellietalia arritimae)YesNoNoYesYesYesYesWediterranean and thermo-Atlantic halophilous corubs (Sarcocometea fruticosi)YesNoNoYesYesYesYesWediterranean and thermo-Atlantic halophilousYesNoNoNoYesYesYesYesVerify (Lut a lutra)YesNoNoNoYesYesYesYesYesCommon seal (Phoca vitulina)NoNoNoNoYesYesYesYesYesPoint SAC Embryonic shifting dunesYesNoNoNoYesYesYesYesYesYesShifting dunes along the shoreline with Ammophila arenaria ("white dunes")YesNoNoNoYesYesYesYes- Stage B, C and D activities uit following should be noted.Diverse with HippopharthamnoidesYesNoNoNoYesYesYesYes- Stage B, C and D activities uit following should be noted."irrev dunes")YesNoNoNoYesYesYesYes- Stage B, C and D activities within the European site boundary are consider in AEOI - see 'Conditions proposed for the European site, the 'Adv irrev dunes")Du			Yes	No	No	No	Yes	Yes	Yes	Yes	
Saliconia and other annuals colonizing mud and sand Atlantic salt meadows (Glauco-Puccinellietalia Yes No No No No Yes Yes Yes Yes Yes Yes maritimae) Mediterranean and thermo-Atlantic halophilous Yes No No No No Yes Yes Yes Yes Yes scrubs (Sarcocometea fruticosi) Other (Lutra lutra) Common seal (Phoca vitulina) Saliteetby-Theddlethorpe Dunes and Gibraltar Yes Foirt SAC Saliteetby-Theddlethorpe Dunes and Gibraltar Yes Foirt SAC Shifting dunes (Yes No No No Yes Yes Yes Yes Yes Yes Yes Tegart to activities at urface) are not considered likely to result Embryonic shifting dunes (Yes No No No Yes Yes Yes Yes Yes Yes Saliteetby-Theddlethorpe Dunes and Gibraltar Yes Foirt SAC Shifting dunes (Yes No No No Yes Yes Yes Yes Yes Yes Saliteetby The shoreline with Ammophila Yes No No No Yes Yes Yes Yes Yes Yes Yes Saliteetby The shoreline with Ammophila Yes No No No Yes Yes Yes Yes Yes Yes Yes Salite to activities 'at or ner the surface), the following should be noted: arenaria ("white dunes") Fixed coastal dunes with herbaceous vegetation "(arey dunes") Dunes with Hippopha-rhamnoides Yes No No No No Yes Yes Yes Yes Yes Yes Yes Yes Yes Salite the boundary of the European site, the 'Adv the licones' Yes No No No Yes	Large shallow inlets and bays		Yes	No	No	No	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia Yes No No No No Yes Yes Yes Yes Yes Yes Yes Source Source a fruticosi) Mediterranean and thermo-Atlantic halophilous Yes No No No No Yes	Reefs		Yes	No	No	No	Yes	Yes	Yes	Yes	
maritimae) Mediterranean and thermo-Atlantic halophilousYesNoNoYesYesYesYesYesMediterranean and thermo-Atlantic halophilousYesNoNoNoYesYesYesYesSecrubs (Sarcocometea fruiticosi)YesNoNoNoYesYesYesYesCommon seal (Phoca vitulina)NoNoNoNoYesYesYesYesSattleetby-Theddlethorpe Dunes and GibrattarYesYesNoNoYesYesYesYesPoint SACYesNoNoNoYesYesYesYesYesYesYesShifting dunesYesNoNoNoYes			Yes	No	No	No	Yes	Yes	Yes	Yes	
Scrubs (Sarcocornetea fruiticosi) Otter (Lutra lutra)YesNoNoYesYesYesYesYesCommon seal (Phoca vitulina)NoNoNoYesYesYesYesYesSaltfleetby-Theddlethorpe Dunes and GibraltarYesYesYesYesYesYesYesPoint SACPoint SACYesYesYesYesYesYesYesYesYesYesShifting dunes along the shoreline with Ammophila arenaria ("white dunes") Fixed coastal dunes with herbaceous vegetation ("grey dunes") Dunes with Hippopha-rhamnoidesYesNoNoYes	maritimae)		Yes	No	No	No	Yes	Yes	Yes		
Common seal (Phoca vitulina)NoNoNoNoYesYesYesYesYesSaltfleetby-Theddlethorpe Dunes and GibraltarYesYesNoNoNoYesYesYesYesThis site is present within the licence block. Stage A, B, C and D activities us (so that effects do not register at surface) are not considered likely to resultPoint SACEmbryonic shifting dunesYesNoNoNoYesYesYesregard to activities 'at or near the surface', the following should be noted:Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")YesNoNoYesYesYesYesStage B, C and D activities within the European site boundary are considered in AEOI – see 'Conditions proposed for the licence' (above).Fixed coastal dunes with herbaceous vegetation ("grey dunes")YesNoNoYesYesYesYes- for activities occurring outside the boundary of the European site, the 'Adv the licence' section (above) should be noted.Dunes with Hippophar-thamnoidesYesNoNoYesYesYesYesYes	scrubs (Sarcocornetea fruticosi)				No	No					
Saltfleetby-Theddlethorpe Dunes and Gibraltar Yes This site is present within the licence block. Stage A, B, C and D activities un (so that effects do not register at surface) are not considered likely to result considered likely to result arenaria ("white dunes") Fixed coastal dunes with herbaceous vegetation ("grey dunes") Yes No No No Yes	Otter (Lutra lutra)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Point SAC (so that effects do not register at surface) are not considered likely to result Embryonic shifting dunes Yes No No Yes	Common seal (Phoca vitulina)		No	No	No	No	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila Yes No No Yes Yes Yes Yes Yes Stage B, C and D activities within the European site boundary are consider in AEOI – see 'Conditions proposed for the licence' (above). arenaria ("white dunes") Fixed coastal dunes with herbaceous vegetation Yes No No Yes Yes Yes Yes - Stage B, C and D activities within the European site boundary are consider in AEOI – see 'Conditions proposed for the licence' (above). Fixed coastal dunes with herbaceous vegetation Yes No No Yes Yes Yes - for activities occurring outside the boundary of the European site, the 'Adv the licence' section (above) should be noted. "("grey dunes") The section (above) Yes No No Yes Yes Yes Yes Dunes with Hippopha-rhamnoides Yes No No Yes Yes Yes Yes	Point SAC	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at c (so that effects do not register at surface) are not considered likely to result in AEOI. With
in AEOI – see 'Conditions proposed for the licence' (above). Fixed coastal dunes with herbaceous vegetation Yes No No No Yes Yes Yes Yes '- for activities occurring outside the boundary of the European site, the 'Adv ("grey dunes") Dunes with Hippopha+rhamnoides Yes No No No Yes Yes Yes Yes Yes Yes	Embryonic shifting dunes		Yes	No	No	No	Yes	Yes	Yes		
("grey dunes") Dunes with Hippopha•rhamnoides Yes No No No No No No No Yes Yes Yes Yes Yes Yes	arenaria ("white dunes")			No	No	No					in AEOI – see 'Conditions proposed for the licence' (above).
	("grey dunes")		Yes	No	No						
Humid dune slacks Yes No No No Yes Yes Yes	Dunes with Hippopha•rhamnoides		Yes	No	No	No	Yes	Yes	Yes	Yes	
	Humid dune slacks		Yes	No	No	No	Yes	Yes	Yes	Yes	

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Gibraltar Point Ramsar, Humber Estuary Ramsar, Humber Estuary SPA, Gibraltar Point SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Gibraltar Point Ramsar, Humber Estuary Ramsar, The Wash and North Norfolk Coast SAC, Saltfleetby–Theddlethorpe Dunes and Gibraltar Point SAC.

- Otters (Lutra lutra) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are The Wash and North Norfolk Coast SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Gibraltar Point Ramsar, Humber Estuary Ramsar, Humber Estuary SPA, Gibraltar Point SPA, The Wash and North Norfolk Coast SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on Relevant European Sites										
	ls Euro. site within		Can Sta	ge A, B, C o	r D activitie	s be carried	l out withou	It AEOI?		Notes
u de la companya de la compa	block?	If ac	tivity is withir	n European s	site?	If act	ivity is outsic	le European	site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Assessment of Effects on										
Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site	1	Can Sta	qe A, B, C d	or D activitie	es be carrie	d out withou	It AEOI?		Notes
(present within the Licence Block or	within	16 .								-
within 10km)	block?	If ac	ctivity is with	n European	SITE ?	If ac	tivity is outsid	ie European	SITE?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Gibraltar Point Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Criterion 1 - sites containing representative, rare or		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
unique wetland types Criterion 5 - regularly supports 20,000 or more		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
waterbirds		n/a	1#a	100	100	103	103	103	103	
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
waterbirds										
Criterion 2 - supports vulnerable, endangered, or		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
critically endangered species or threatened eco. communities										
Humber Estuary Ramsar	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Criterion 5 - regularly supports 20,000 or more waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
Criterion 1 - sites containing representative, rare or		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
unique wetland types Criterion 3 - supports populations of plant/animal		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Criterion 3 - supports populations of plant/animal species important for maintaining regional		n/a	n/a	n/a	n/a	165	105	165	105	
biodiversity		. (.	. (.	. (.	. (.	Mar	Mar	Maa	Maria	
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
waterbirds		,	,					.,		
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Humber Estuary SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D
Great bittern (Botaurus stellaris)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
Great bittern (Botaurus stellaris)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
Greater scaup (Aythya marila)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Mallard (Anas platyrhynchos)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey plover (Pluvialis squatarola)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern lapwing (Vanellus vanellus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Red knot (Calidris canutus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Red knot (Calidris canutus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sanderling (Calidris alba)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sanderling (Calidris alba)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunlin (Calidris alpina schinzii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ruff (Philomachus pugnax)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey plover (Pluvialis squatarola) Waterfowl assemblage		n/a n/a	n/a n/a	n/a n/a	n/a n/a	Yes Yes	Yes Yes	Yes Yes	Yes Yes	
ě										
Black-tailed godwit (Limosa limosa islandica) Black-tailed godwit (Limosa limosa islandica)		n/a n/a	n/a n/a	n/a n/a	n/a n/a	Yes Yes	Yes Yes	Yes Yes	Yes Yes	
Black-tailed godwit (Limosa limosa listalidica) Bar-tailed godwit (Limosa lapponica)		n/a n/a	n/a	n/a n/a	n/a	Yes	Yes	Yes	Yes	
Whimbrel (Numenius phaeopus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian curlew (Numenius arquata)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common redshank (Tringa totanus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common greenshank (Tringa nebularia)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ruddy turnstone (Arenaria interpres)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Little tern (Sterna albifrons)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Light-bellied brent goose (Branta bernicla hrota)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common shelduck (Tadorna tadorna)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features	ls Euro. site		Can Sta	ige A, B, C d	or D activitie	s be carrie	d out witho	It AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	If ac	tivity is with	in European	site?	If ac	tivity is outsi	site?		
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Eurasian marsh harrier (Circus aeruginosus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common goldeneye (Bucephala clangula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian oystercatcher (Haematopus ostralegus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Pied avocet (Recurvirostra avosetta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian wigeon (Anas penelope)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian teal (Anas crecca)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common pochard (Aythya ferina)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Pied avocet (Recurvirostra avosetta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Hen harrier (Circus cyaneus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Gibraltar Point SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and
Little tern (Sterna albifrons)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered
Bar-tailed godwit (Limosa lapponica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sanderling (Calidris alba)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey plover (Pluvialis squatarola)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
The Wash and North Norfolk Coast SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and
Sandbanks which are slightly covered by sea water all the time		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice propose with the licence' action (above) above the parted
Mudflats and sandflats not covered by seawater at		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
ow tide Coastal lagoons		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Large shallow inlets and bays		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Reefs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
sand Atlantic salt meadows (Glauco-Puccinellietalia		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
maritimae) Mediterranean and thermo-Atlantic halophilous		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
scrubs (Sarcocornetea fruticosi)						Yes				
Otter (Lutra lutra) Common seal (Phoca vitulina)		n/a n/a	n/a n/a	n/a n/a	n/a n/a	Yes	Yes Yes	Yes Yes	Yes Yes	
Saltfleetby-Theddlethorpe Dunes and Gibraltar		1¥a	n/a	. <i>"</i> a	11/a	103	103	103	103	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and
Point SAC Embryonic shifting dunes		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the lice block, over 1km non the block boundary. Stage A, b, c and activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice propose
Shifting dunes along the shoreline with Ammophila		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
arenaria ("white dunes") Fixed coastal dunes with herbaceous vegetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
("grey dunes") Dunes with Hippopha•rhamnoides		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Humid dune slacks		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Conditions proposed for the licence

No conditions proposed.

Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site its lits. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Ashdown Forest SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Ashdown Forest SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: http://jncc.defra.gov.uk/page-4

Assessment of Effects on Relevant European Sites										
J	ls Euro. site		Can Sta	ge A, B, C o	r D activitie	s be carried	l out withou	It AEOI?		Notes
(present within the Licence Block or	within			-						
within 10km)	block?	If ac	tivity is withii	n European s	site?	If act	ivity is outsic	le European	site?	
		Otoma A	Otere D	Oterra O	Otere D	Otere A	Otana D	Otera O	Oters D	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

Relevant European Sites Designated Sites and Interest Features	ls Euro. site		Can Sta	age A, B, C o	or D activitie	es be carried	d out witho	ut AEOI?		Notes
(present within the Licence Block or within 10km)	within block?	lf ac	tivity is withi	in European s	site?	If act	tivity is outsid	de Europear	n site?	
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Ashdown Forest SPA	No	2/2	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and C activities undertaken at depth (so that effects do not register at surface) are not considered
European nightjar (Caprimulgus europaeus) Dartford warbler (Sylvia undata)					n/a n/a	Yes	Yes	Yes	Yes	likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Ashdown Forest SAC	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and I
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	with the licence' section (above) should be noted.
Great crested newt (Triturus cristatus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	