

Habitats Directive: Form for recording likely significant effect
(Stage 2)



**Cyfoeth
Naturiol
Cymru
Natural
Resources
Wales**

For information

Part A

Permitting officer to complete this section in consultation with Conservation/Ecology section and Natural Resources Wales (NRW)

Type of permission/activity:	Application for a normal variation (change of a Tier 3 waste permit to a Tier 3 Installation permit)
Natural Resources Wales reference no:	EPR/AB3096CP
National grid reference:	ST 23010 77658
Site description:	Kelda Organic Energy (Cardiff) Limited is applying to vary a Tier 3 waste permit to a Tier 3 installations permit to operate the Lamby Way Open Windrow Composting Facility at Lamby Way, Rumney, Cardiff, CF3 2EH. The NGR for facility is as stated in the National Grid Reference row above.
Brief description of proposal:	Kelda propose to increase the treatment and storage capacity at the Open Windrow Facility. The annual throughput of the facility will increase from 25,000 tonnes per annum to 38,000 tonnes per annum. The overall storage at any one time will be increased to 8,500 tonnes. Of this storage, an 850 tonne at any one time limit will apply to the storage of waste prior to the formation of a windrow. A 7,650 tonne at any one time limit will apply to wastes undergoing biological treatment i.e. composting and maturation Site location maps are located at the end of this document.
European site name(s) and status:	Severn Estuary (Wales) /Môr Hafren RAMSAR (UK11081), SPA (UK9015022), SAC (UK0013030) Severn Estuary (England)/ Môr Hafren SAC (UK0013030)
List of interest features (relevant to this type of permission):	Severn Estuary (Wales) / Môr Hafren 1.12 Estuarine and Intertidal habitats (estuaries, mudflats, sandflats, reefs, Atlantic salt meadows.) 1.13 Submerged marine habitats (sandbanks) 2.5 Anadromous fish (twait shad, sea lamprey, river lamprey)

Is this application necessary to manage the site for nature conservation?	No	
What potential hazards are likely to affect the interest features (relevant to this type of permission?)		
Sensitive interest feature:	Potential hazard:	Potential exposure to hazard and mechanism of effect/impact if known:
1.12 Estuarine and intertidal habitats	Toxic contamination	Mechanism for effect
	Nutrient enrichment	Mechanism for effect
	Changes in salinity regime	No mechanism for effect
	Changes in thermal regime	No mechanism for effect
	Habitat loss	No mechanism for effect
	Physical damage by IPC/PPC processes	No mechanism for effect
	Smothering	No mechanism for effect
	Turbidity	No mechanism for effect
	Siltation	No mechanism for effect
1.13 submerged marine habitats	Toxic contamination	Mechanism for effect
	Nutrient enrichment	Mechanism for effect
	Changes in salinity regime	No mechanism for effect
	Changes in thermal regime	No mechanism for effect
	Physical damage by IPC/PPC processes	No mechanism for effect
	Turbidity	No mechanism for effect
	Siltation	No mechanism for effect
2.5 Anadromous fish	Toxic contamination	Mechanism for effect
	Nutrient enrichment	Mechanism for effect
	Acidification	Mechanism for effect
	Changes in salinity regime	No mechanism for effect
	Changes in thermal regime	No mechanism for effect
	Habitat loss	No mechanism for effect
	Physical damage by IPC/PPC processes	No mechanism for effect
	Turbidity	No mechanism for effect
	Siltation	No mechanism for effect
Is the potential scale or magnitude of any effect likely to be significant?		

<p>Alone?</p>	<p>No</p> <p>The proposed site is in close proximity to the Severn Estuary SAC/SPA/RAMSAR habitat sites. Regarding this the specific sensitive vegetation type within the designations is identified primarily as 'saltmarsh'. The main habitats in close proximity are 'intertidal mud' and 'shingle and gravel' which, according to APIS are not sensitive to air pollution.</p> <p>There are no direct emissions to air, water or land from this installation.</p>	
<p>In combination with other Natural Resources Wales permissions, plans or projects?</p>	<p>No – no other projects/site applications near the proposed Kelda installation.</p>	
<p>In combination with permissions, plans or projects with competent authorities?</p>	<p>No</p>	
<p>Conclusion: Is there likely to be a significant effect 'alone and/or in combination' on a European site?</p>	<p>There are no point source emissions to air, water or land from this installation.</p> <p>The only emissions are diffuse emissions, potentially bio aerosols from the open windrow composting. There is minimal risk to the habitats from this type of emission. The operator has implemented numerous control measures to minimise the generation of bio aerosols.</p> <p>There are no emission limits to assess against for potential damage to the protected site.</p>	
<p>NRW Officer:</p>	<p>Saul White Senior Permitting Officer</p>	<p>Date: 27.04.16</p>
<p>Natural England / NRW conservation/ecology comment on assessment:</p>	<p>.</p> <p>FOR INFORMATION ONLY</p>	
<p>Natural England / NRW conservation/ecology Officer:</p>		<p>Date:</p>
<p>If there is a likely significant effect, an appropriate assessment will be required (see part B for suggested scope).</p>		

Part B Suggested scope of the NRW appropriate assessment:

Add details to following framework

- Other competent authorities involved
- Characterise the site in relation to the qualifying features and their conservation objectives;
 - existing information
 - additional surveys
 - management/unauthorised impacts
- Detailed description of plan/project
- Assess each likely impact on the interest features;
 - compare with historical data
 - predict impacts
 - compare with impact from management/unauthorised activities
- Determine the extent to which each possible impact can be avoided.

Natural England / NRW conservation/ecology comment on scope of NRW appropriate assessment:

**Natural England / NRW
conservation/ecology officer:**

Date:

Map View of Site and surrounding SAC's, SPA's and RAMSAR's

The screenshot displays a web-based map interface for the 'Cyfoeth Naturiol Cymru Natural Resources Wales'. The search bar at the top left contains the grid reference 'ST 2301077658'. The map shows a large red circle centered on the site location. A pop-up window for the site provides the following information:

- ST 2301077658 (Address)
- ST 2301077658
- Add To Selected
- View Additional Details

The interface includes a navigation panel on the left with options like Home, Data Sources, Find, Drawing, Analysis, and Edit. Below this is a 'Results (6)' panel listing the following items:

- Permit Application Polygon: European Metal Recycling Ltd. [View case in CRM](#)
- Permit Application Polygon: Lamby Way Open Window Composting Facility. [View case in CRM](#)
- Permit Application Point: Roath Dock. [View case in CRM](#)
- Severn Estuary (Wales)
- Severn Estuary (England)
- Severn Estuary (Wales)
- Severn Estuary (Wales)

The map also features a scale bar (0 to 2.5 miles / 0 to 5 kilometers) and a copyright notice at the bottom right: 'Ordnance Survey data © Crown copyright and database right 2016. OS 100030994'.