

## Application SCR evaluation template

Name of activity, address and NGR	<p>Covanta Energy Limited            Protos Refuse Derived Fuel Plant            EPR/LP3132FX/V005            Variation to reduce permit boundary (partial surrender)</p> <p>SJ 46723 76656</p> <p>Grinsome Road            Elton            Cheshire</p>
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Document reference of application SCR	<p><b>Documents are attached in the EDRM smartlinks below</b></p> <ul style="list-style-type: none"> <li>• Site condition report updates, <i>Covanta Protos RDF Facility Updated Site Condition Report</i> (Ref. S2446-0520-0002JRS)</li> <li>• Site plan, <i>EP Boundary Layout</i> (Ref. 24469-004)</li> <li>• Plan showing areas extended and areas for surrender, <i>Areas lost/gained layout</i> (Ref. 2446-005)</li> <li>• Original site condition report and associated plans, <i>Site investigation report for a PPC application. Ince Resource Recovery Park, Ellesmere Port, Cheshire</i> (Ref 40142-01 (00))</li> </ul> <p><b>See sections 4 – 7 for variation requirements.</b></p>
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Date and version of application SCR	<p>Second version of the SCR. Note, site operations have never commenced since the site was permitted in 2006. The original SCR referenced above was completed in 2005. The updated SCR referenced above is dated 25 June 2018.</p>
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<b>1.0 Site details</b>	
<b>Has the applicant provided the following information as required by the application SCR template?</b>	
Site plans showing site layout, drainage, surfacing, receptors, sources of emissions/releases and monitoring points	
Check plans provided by the applicant (see also Part A of the application form). If information is missing then request further dated plans be supplied.	

<b>2.0 Condition of the land at permit issue</b>	
To be completed by GWCL officers (Receptor)	
<b>Has the applicant provided the following information as required by the application SCR template?</b>	
<p>a) Environmental setting including geology, hydrogeology and surface waters</p> <p>b) Pollution history including:</p> <ul style="list-style-type: none"> <li>• pollution incidents that may have affected land</li> <li>• historical land-uses and associated contaminants</li> <li>• visual/olfactory evidence of existing contamination</li> <li>• evidence of damage to existing pollution prevention measures</li> </ul> <p>c) Evidence of historic contamination (i.e. historical site investigation, assessment, remediation and verification reports (where available))</p> <p>d) Has the applicant chosen to collect baseline reference data?</p>	

## 2.0 Condition of the land at permit issue

To be completed by GWCL officers  
(Receptor)

Has the applicant provided the following information as required by the application SCR template?

Site has yet to commence development. No site investigation or information was gathered during the initial permit application. No information has been gathered during this application phase however it is understood from the updated site condition report that a programme of ground investigation and assessment is planned to gather information for the SCR.

## 3.0 Permitted activities

(Source)

Has the applicant provided the following information as required by the application SCR template?

Response  
(Specify what information is needed from the applicant, if any)

- a) Permitted activities
- b) Non-permitted activities undertaken at the site

Review summary provided by the applicant and confirm it does give a brief outline of the permitted activities, drawn from other parts of the application and cross-referenced to site plans.

## 3.0(a) Environmental Risk Assessment

(Source)

The H1 environmental risk assessment should identify elements that could impact on land and waters, cross-referenced back to documents and plans provided as part of the wider permit application.

Review summary provided by the applicant under H1 and confirm if it is an appropriate environmental risk assessment for the site. **Specify what information is needed from the applicant, if any.**

## 3.0(b) Will the pollution prevention measures protect land and groundwater?

(Conceptual model)

Are the activities likely to result in pollution of land?

If Yes, specify what additional controls/checks may be necessary

For dangerous and/or hazardous substances only, are the pollution prevention measures for the relevant activities to a standard that is likely to prevent pollution of land?

(This may consist of improved infrastructure, targeted surveillance monitoring by the operator and/or inspections by compliance teams)

## Application SCR decision summary

Tick relevant decision

Sufficient information has been supplied to describe the condition of the site at permit issue

Information is missing- the following information must be obtained from the applicant. (Advise the permitting team on what additional information is needed)

X

Pollution of land and water is unlikely; or

Pollution of land and water is likely  
(Advise the permitting team on what additional controls/checks may be necessary)

Historical contamination is present- advise operator that collection of background data may be appropriate

Date and name of reviewer:

Lee Beveridge

dated 26-9-18

X

## Operational phase SCR evaluation template

Sections 4.0 to 7.0 may be completed annually in line with normal record checks.

<b>4.0 Changes to the activities</b> (Source)	
<b>Have there been any changes to the following during the operation of the site?</b>	<b>Response</b> (Specify what information is needed from the applicant, if any)
a) Activity boundaries b) Permitted activities c) "Dangerous substances" used or produced	
<p>Operations have not commenced on site since the permit was originally issued in 2006. The site is still within the pre-operational phase. No construction of the site has taken place. Since the permit was issued, the permit was transferred and then subject to a substantial variation (in 2012) which linked the operations to the incinerator bottom ash installation operated by Ballast Phoenix Limited (EPR/TP3836FC). It is therefore a multi-operator permit, however, the footprint of the Covanta Energy operation for the incineration plant (subject of this variation), is on a separate area of land to the Ballast Phoenix operation (See boundary plan in Appendix 1 below).</p> <p>The variation proposed is as follows:</p> <ul style="list-style-type: none"><li>• Reduction in EfW permitted capacity from 850,000 tonnes per annum to a maximum capacity of 400,000 tonnes per annum.</li><li>• Increase in the NCV of the waste incinerated at the Facility from 10 MJ/kg to 10.5 MJ/kg.</li><li>• Reduction in the number of waste incineration streams to reflect the proposed plant capacity.</li><li>• <b>Changing the boiler water cooling system from a water-based condenser to an air-cooled condenser with removal of land from the installation boundary associated with the abstraction and discharge of cooling water from/to the Manchester Ship Canal.</b></li><li>• <b>Addition of small areas of land into the installation boundary due to the changes to the layout of the Facility.</b></li><li>• Removal of the 'vehicle washing facility'.</li></ul> <p>In addition to these requested changes above, the site plan with the site condition report shows land on the north side of the installation to be surrendered in relation to the abstraction for water for the purpose of cooling.</p>	

## 5.0 Measures taken to protect land

To be completed by EM/PPC officers

(Pathway)

Has the applicant provided evidence from records collated during the lifetime of the permit, to show that the pollution prevention measures have worked?

Operations have not yet commenced. The incinerator plant has not been constructed.

## 6.0 Pollution incidents that may have impacted on land and their remediation

To be completed by EM/PPC officers

(Sources)

Has the applicant provided evidence to show that any pollution incidents which have taken place during the life of the permit and which may have impacted on land or water have been investigated and remediated (where necessary)?

No relevant installation activities have taken place. No pollution incidents have therefore been recorded.

## 7.0 Soil gas and water quality monitoring (where relevant)

Where soil gas and/or water quality monitoring has been undertaken, does this demonstrate that there has been no change in the condition of the land? Has any change that has occurred been investigated and remediated?

Since the original site condition report was submitted there have been no additional site investigations. Therefore no new information is available. The SCR states that a programme of site investigations are planned to be undertaken in the near future.

## Surrender SCR Evaluation Template

If you haven't already completed previous sections 4.0 to 7.0, do so now before assessing the surrender.

<p><b>8.0 Decommissioning and removal of pollution risk</b> To be completed by EM/PPC officers</p>
<p>Has the applicant demonstrated that decommissioning works have been undertaken and that all pollution risks associated with the site have been removed? Has any contamination of land that has occurred during these activities been investigated and remediated?</p>
<p>All permitted activities should have ceased and all sources of pollution risk should be removed before the Surrender SCR is produced.</p>

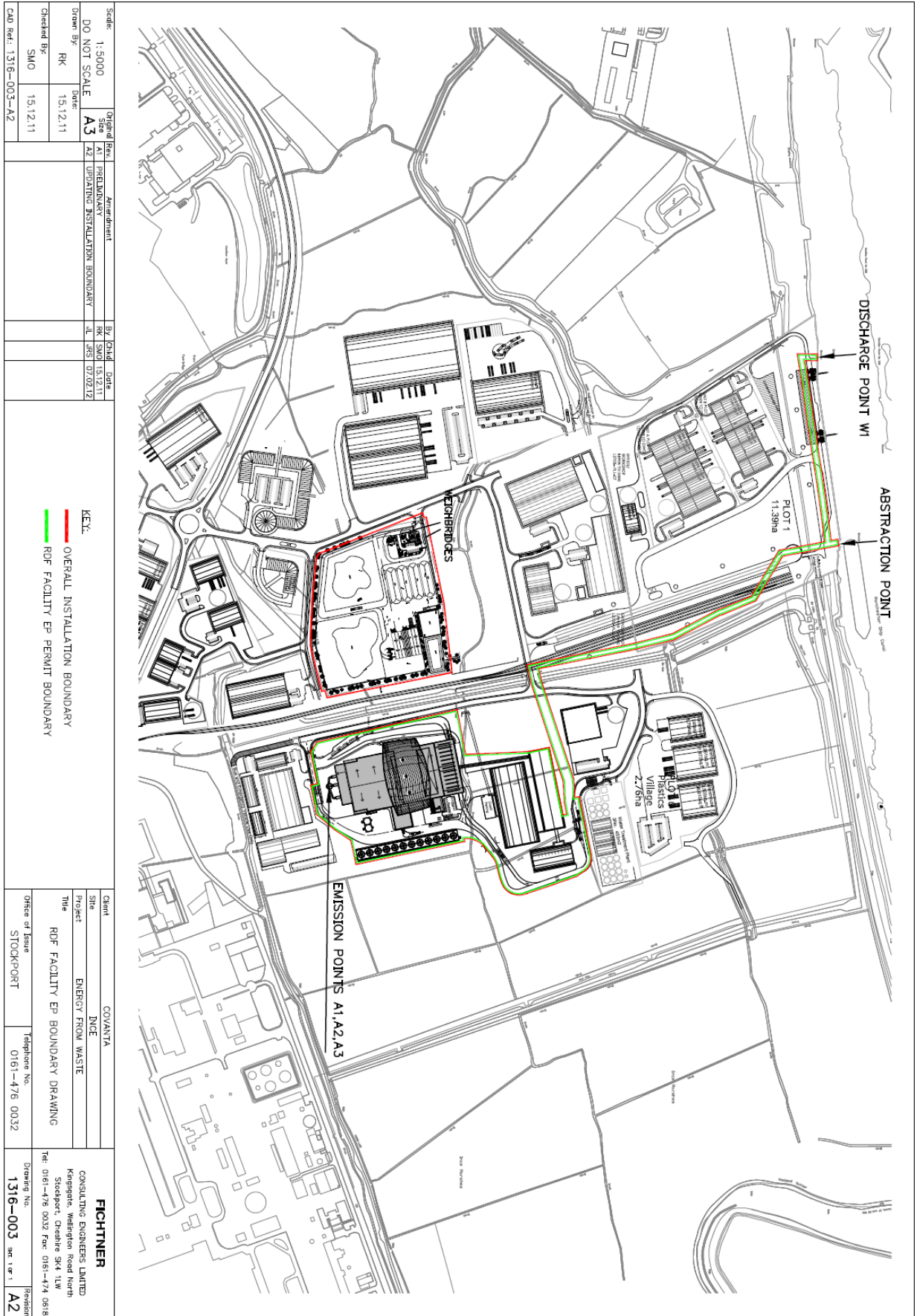
<p><b>9.0 Reference data and remediation (where relevant)</b> To be completed by GWCL officers</p>
<p>Has the applicant provided details of any surrender reference data that they have collected and any remediation that they have undertaken?</p> <p>(Reference data for soils must meet the requirements of policy 307_03 Chemical test data on contaminated soils – quantification requirements). If the surrender reference data shows that the condition of the land has changed as a result of the permitted activities, the applicant will need to undertake remediation to return the condition of the land back to that at permit issue. You should not require remediation of historic contamination or contamination arising from non-permitted activities as part of the permit surrender.</p>
<p>Where surrender reference data is needed, applicants will only need to collect this for the measures/areas where they can't show that there has been no change in the condition of the land using the information collected during the life of the permit. Refer to Sections 3 &amp; 4 above.</p> <p>When assessing whether any baseline reference data is relevant, you must consider whether it relates to the appropriate media (e.g. soil, groundwater, gas) substances and area of the site.</p>

<p><b>10.0a Statement of site condition</b> To be completed by EM/PPC officers</p>
<p>Has the applicant provided a statement, backed up with evidence, confirming that the permitted activities have ceased, decommissioning works are complete and that pollution risk has been removed and that the land and waters at the site are in a satisfactory state?</p>
<p>This section should be used if the operator is relying solely on records obtained during the operational phase of the activity. If no, specify why</p>

<p><b>10.0b Statement of site condition</b> To be completed by GWCL officers</p>
<p>Has the applicant provided a statement, backed up with evidence, confirming that the permitted activities have ceased, decommissioning works are complete and that pollution risk has been removed and that the land and waters at the site are in a satisfactory state?</p>
<p>If no, specify why</p>

Surrender SCR decision summary To be completed by GWCL officers and returned to NPS	Tick relevant decision
Sufficient information has been supplied to show that pollution risk has been removed and that the site is in a satisfactory state – accept the application to surrender the permit; or	
Insufficient information has been supplied to show that pollution risk has been removed or that the site is in a satisfactory state – do not accept the application to surrender the permit. The following information must be obtained from the applicant before the permit is determined:	
Date and name of reviewer	

# Appendix 1



Scale: 1:5000 DO NOT SCALE	Original Site A3	Rev. A1 PRELIMINARY	Rev. A2 UPDATING INSTALLATION BOUNDARY	By Client Rk SMO	Date 15.12.11
Drawn By: Rk	Date: 15.12.11	By Client J. J. JES	Date 07/02/12		
Checked By: SMO	Date: 15.12.11				
CAD Ref: 1316-003-A2					
<p><b>KEY:</b></p> <p>— OVERALL INSTALLATION BOUNDARY</p> <p>— RDF FACILITY EP PERMIT BOUNDARY</p>					
Client: COVANTA	Site: RICE	Project: ENERGY FROM WASTE			
Office of Issue: STOCKPORT	Telephone No: 0161-476 0032	Drawing No: 1316-003 Rev 1 of 1			
<p><b>FIGHTNER</b> CONSULTING ENGINEERS LIMITED Kingstree, Wellington Road North Stockport, Cheshire SK4 1LW Tel: 0161-476 0032 Fax: 0161-474 0818</p>		Revision: A2			