

## Application SCR evaluation template

Name of activity, address and NGR	<p>Adwick Sludge Treatment Facility</p> <p>Yorkshire Water Services Limited Adwick WWTW Doncaster Road Woodlands Doncaster South Yorkshire DN6 7LL National Grid Reference SE 545 080.</p>
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Document reference of application SCR	Adwick Sludge Treatment Facility Application Site Report
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Date and version of application SCR	October 2006 v1
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### 1.0 Site details

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

Site plans showing site layout, drainage, surfacing, receptors, sources of emissions/releases and monitoring points

Site condition report accepted at permit determination  
23/02/07

Permit decision document states:

"The operator has provided a plan which we consider is satisfactory, showing the site of the Installation and its extent. A plan is included in the permit at Schedule 2, and the operator is required to carry on the permitted activities within the site boundary."

### 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?**

- a) Environmental setting including geology, hydrogeology and surface waters
- b) Pollution history including:
  - pollution incidents that may have affected land
  - historical land-uses and associated contaminants
  - visual/olfactory evidence of existing contamination
  - evidence of damage to existing pollution prevention measures
- c) Evidence of historic contamination (i.e. historical site investigation, assessment, remediation and verification reports (where available))
- d) Has the applicant chosen to collect baseline reference data?

Accepted at permit determination  
23/02/07.

<b>3.0 Permitted activities</b> (Source)	
<b>Has the applicant provided the following information as required by the application SCR template?</b>	<b>Response (Specify what information is needed from the applicant, if any)</b>
a) Permitted activities b) Non-permitted activities undertaken at the site	
<p>Accepted at permit determination 23/02/07.</p> <p>The site applied to operate under S 5.3 A1 (c)(ii) Physico-chemical treatment of Non-hazardous sewage sludge (D9) Receipt of sewage sludge into process, thickening, polymer make up, liquor storage and return pipework, storage of thickened sewage sludge. Waste types to be as specified in Schedule 3 tables S3.2 and S3.3.</p>	

<b>3.0(a) Environmental Risk Assessment</b> (Source)
<p>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.</p>
<p>The most significant risks identified by risk assessment were that of fugitive emissions to ground arising from the storage of raw materials and the containment of spillages. The installation required no active abatement.</p> <p>Preventative measures i.e. bunding were assessed and the Environment Agency were not satisfied that they were sufficient. We concluded that a reasonable likelihood of pollution existed. An Improvement Program was to be implemented to mitigate the risks.</p> <p>This was agreed and accepted at permit determination 23/02/07.</p>

<b>3.0(b) Will the pollution prevention measures protect land and groundwater?</b> (Conceptual model)	
<p>Are the activities likely to result in pollution of land?</p>	
<p>The site is situated in an area identified as non-aquifer but is very close to the groundwater vulnerability map boundary lines for a major aquifer and a minor aquifer (each approximately 60m away). The site may be covered by a limited thickness of drift deposit.</p> <p>Polluting substances potentially present on the site from historic sewage treatment activities include sewage, sewage sludge, sludge screenings, chemicals such as aluminium sulphate, ferric chloride or sulphate, lime, polymeric substances, fuel oils, lubricating oils, insecticides or herbicides.</p> <p>Potentially polluting substances to be present on the permitted Installation area are sewage sludge, sludge liquors and polymer. Pipes and sumps within the Installation containing potentially polluting liquids are below ground and do not have secondary containment or leak detection. The thickened sludge tank does not have a bund or other secondary containment. The conclusion must therefore be a reasonable possibility of pollution.</p> <p>We required the operator to implement and operate a Site Protection and Monitoring Programme. Collection of reference data was required. Improvement programme requirements include bunding or secondary containment for all tanks and replacement of all underground pipes and sumps with those that meet the standards in the Sector Guidance Note S506, unless other appropriate measures are agreed with the environment agency.</p>	
<p>For dangerous and/or hazardous substances only, are the pollution prevention measures for the relevant activities to a standard that is likely</p>	<p>See above.</p>

to prevent pollution of land?	
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Application SCR decision summary	Tick relevant decision
Sufficient information has been supplied to describe the condition of the site at permit issue	Accepted at permit determination
Information is missing- the following information must be obtained from the applicant.(Advise the permitting team on what additional information is needed)	
Pollution of land and water is unlikely; or	Yes with improvements - See above
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	This was not advised in permit decision document
Date and name of reviewer:	

## 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	
The permit has been varied twice; no change has been made to site boundary.  23/09/08 Variation AP3337UP (EPR number VP3236LH/V002) – notified to take effect from 23rd September 2008. The notice was an administrative variation to amend and remove various conditions to add clarity to the Permit.  28/02/2014 EPR/XP3236LH/V003 to update the permit in line with the Industrial Emissions Directive.	
<b>5.0 Measures taken to protect land</b> 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?	
The operator and site inspector have provided both factual and anecdotal records of the final condition of the site and the process for decommissioning, which was undertaken in line with our (the Environment Agency's) guidance. This information was provided at the time of application for surrender.  The site has been inspected periodically since it was first Permitted.	
<b>6.0 Pollution incidents that may have impacted on land and their remediation</b> 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)?	
<b>Land condition</b> There is no evidence of contamination within the permit boundary. <b>Pollution incidents and complaints</b> There have been no pollution incidents relating to the Sludge Treatment Facility (STF). There have been 6 complaints regarding odour at the WwTW which have been investigated and rectified. <b>Remediation</b> There has been no cause for remediation onsite.	
<b>7.0 Soil gas and water quality monitoring (where relevant)</b>	
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?	
Not applicable. Monitoring was not requested or required through the conditions of the permit.	

## Surrender SCR Evaluation Template

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

### 8.0 Decommissioning and removal of pollution risk

To be completed by EM/PPC officers

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?

The permitted aspects of the process have been inspected by the Environment Agency. The process is no longer regulated by the Environment Agency.

### 9.0 Reference data and remediation (where relevant)

To be completed by GWCL officers

Has the applicant provided details of any surrender reference data that they have collected and any remediation that they have undertaken?

(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.

N/A– Low risk surrender and site operation is falling out of Environment Agency Regulation, not ceasing.

### 10.0a Statement of site condition

To be completed by EM/PPC officers

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?

Operator has provided a statement of site condition, confirming the converting of the process to an operation no longer regulated by the Environment Agency.  
Evidence has been provided to support the operator's statements. Both the operator and regulatory inspector have outlined that the surrender met the low risk criteria and have confirmed that the activities are now undertaken in a manner outside of Environment Agency regulation. The operator also had a good compliance rating. We agree that no soil and/or groundwater data is required in this instance. The Environment Agency is satisfied with the change in activities and final state of the site. Site visits have been conducted and no concerns have been raised. We agree that the site permitted was in a satisfactory state at permit surrender.

### 10.0b Statement of site condition

To be completed by GWCL officers

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?

As above. See Surrender Site Condition Report YWS-AWK-REP001 - 26 July 2017.

### 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 the site is no longer undertaking operations regulated by the Environment Agency and that the site is in a satisfactory state. We accept the application to surrender the permit.

Accepted at  
surrender.

Date and name of reviewer