

Application SCR evaluation template

Name of activity, address and NGR	<p>FCC Recycling (UK) Limited, Bowling Back Lane Resource Recovery Facility, Bowling Back Lane, Bradford, West Yorkshire, BD4 8SZ.</p> <p>The National Grid Reference of the approximate centre of the site is SZ 1817 3249.</p> <p>Environmental Permit Reference EPR/JP3038CF/S002.</p>
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Document reference, date and version of application SCR	<p>Geoenvironmental Desk Study City of Bradford Council MDC Long Term Waste Procurement – Site Feasibility Bowling Back Lane Site, Scheme No. 995204. Leeds County Council dated March 2008.</p> <p>Report on a ground investigation at Bowling Back Lane WTS, Bradford – Ref: F15318. Norwest Holst dated December 2008.</p> <p>Phase 1 Geo-environmental Assessment: Development of a Resource Recovery Facility Bowling Back Lane, Bradford. Scott Wilson revised interim report dated December 2010.</p> <p>Closure Management Plan: Resource Recovery Facility Bowling Back Lane, Bradford – Application for Environmental Permit EPR/JP3038CF/A001. URS dated July 2012.</p> <p>Site Condition Report: Resource Recovery Facility Bowling Back Lane, Bradford – Application for Environmental Permit EPR/JP3038CF/A001. URS dated July 2012.</p>
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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.	
The Operator provided a Site Condition Report at the time the original application was made. Drawings were provided by the Operator and reviewed and accepted by the Environment Agency at the application stage.	

2.0 Condition of the land at permit issue	
Has the applicant provided the following information as required by the application SCR template?	
<p>a) Environmental setting including geology, hydrogeology and surface waters.</p> <p>b) Pollution history including:</p> <ul style="list-style-type: none"> • 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. <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>	
<p>a) – the site is located 1.5km south-east of Bradford and has an area of approximately 4.4Ha. The majority of the site is occupied by a waste transfer station. The underlying geology of the site is likely to comprise:</p> <p>Made Ground: vary variable sandy and/or gravelly clays with sand and gravel sized fragments of brick, tile, slag, concrete, ash, clinker, coal and natural materials up to 7m thick. Wood, asbestos, lagging, metal, rope, bitumen, brick, concrete and plastic are also present. Variably contaminated with gas works wastes and contaminants with some exploratory holes having visible tar product and strong hydrocarbon odours. There is the potential for ground gas to be present.</p>	

2.0 Condition of the land at permit issue	
Has the applicant provided the following information as required by the application SCR template?	
<p>Superficial Deposits (Glacial Till): soft to stiff locally laminated gravelly clay between 0.5m and 4.5m thick. Where present on site, it has been extensively reworked.</p> <p>Lower Coal Measures (Westphalian 'A'): weathered mudstone with sequences of coal seams, sandstones, ironstones and shales. A geological fault is present on site striking west north west – east south east with the Better Bed and Crow coal seams outcropping to the immediate north and west of the site. Ground gas is potentially present as well as mine workings and voids. Intrusive investigation indicates that in some areas there is visible and olfactory evidence of hydrocarbon contamination at depths c.12m to 14m and creosote contamination c.10m depth.</p> <p>Perched water is expected within the Made Ground. The Coal Measures hydrogeology strata generally do not have high primary permeability and groundwater movement at depth depends greatly on the more permeable sandstone sequences as well as the local fault regime. The Coal Measures are classed as a Secondary 'A' Aquifer but the site does not lie within a source protection zone. Mining in the area will have affected the local groundwater regime. There is potentially a small culverted surface watercourse running beneath the site. Eastbrook Beck is located 300m to the north-west and a water feature associated with the Beck about 100m to the north-west.</p> <p>b) and c) – in 1852 the site was surrounded by coal mines and quarries but by 1893 the Bradford Corporation Gas Works Site has been built on the site. This underwent expansion until the 1970's when the works were demolished. The waste transfer station was built on the site between 1977 and 1983. Historical contamination on site has been identified primarily from the former gas works and comprises coal tars, hydrocarbons, polyaromatic hydrocarbons, ammonium and cyanides.</p> <p>d) – baseline reference data has been collected by the applicant.</p>	

3.0 Permitted activities	
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)
<p>a) Permitted activities</p> <p>b) Non-permitted activities undertaken at the site</p>	<p>The Environment Agency determined that the operations at the installation comprised the scheduled activity Section 5.1A(1)(b) – incineration of non-hazardous waste in a waste incineration plant with a capacity exceeding 3 tonnes per hour. The primary feedstock is non-hazardous residual municipal waste.</p> <p>Non-permitted activities were to comprise electricity generation and a back-up diesel generator. Non-operational activity was to comprise a dedicated Visitor and Education Centre. The Visitor Centre was to be fenced off from the main facility and operational areas.</p>

3.0(a) Environmental Risk Assessment
<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 Environment Agency reviewed the Operator's environmental risk assessment (H1) including the potential for environmental impact from emissions to air including nitrogen oxides, carbon dioxide and dioxins at the time of the original permit determination and accepted the H1 as satisfactory.</p>

3.0(b) Will the pollution prevention measures protect land and groundwater?
Are the activities likely to result in pollution of land?
<p>It was concluded that there was little likelihood of pollution arising from the installation's operation provided that it was operated and maintained correctly. There were no direct discharges of hazardous substances or non-hazardous pollutants to groundwater from the site. Process control measures as well as operational control mechanisms will be in place to minimise the risk of and to mitigate against pollution occurring. An accident management plan will be in place for the site as well as a site closure plan.</p>

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?

The Environmental Assessment reviewed the potential risks from the dangerous and hazardous substances potentially on site. It detailed the pollution prevention measures for storage and handling of such substances and was accepted by the Environment Agency at the application stage.

Application SCR decision summary	Tick relevant decision
Sufficient information has been supplied to describe the condition of the site at permit issue	Yes.
Pollution of land and water is unlikely	Yes.
Date and name of reviewer:	Liz Ebbs (NPS) – 14/03/2016

Operational phase SCR evaluation template

4.0 Changes to the activities	
Have there been any changes to the following during the operation of the site?	Response (Specify what information is needed from the applicant, if any)
a) Activity boundaries b) Permitted activities c) "Hazardous pollutants" used or produced.	
N/A.	

5.0 Measures taken to protect land
Has the applicant provided evidence from records collated during the lifetime of the permit, to show that the pollution prevention measures have worked?
N/A.

6.0 Pollution incidents that may have impacted on land and their remediation
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)?
N/A.

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?
N/A.

Surrender SCR Evaluation Template

8.0 Decommissioning and removal of pollution risk
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?
N/A.

9.0 Reference data and remediation (where relevant)
Has the applicant provided details of any surrender reference data that they have collected and any remediation that they have undertaken?
N/A.

10.0a and 10b Statement of site condition
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?
N/A.

Surrender SCR decision summary	Tick relevant decision
No permitted activities have taken place on the site as the site has not been constructed. Therefore, there has been no risk of pollution from this site.	✓
Date and name of reviewer:	Liz Ebbs (NPS) – 14/03/2016.

