SITE CONDITION REPORT TEMPLATE

For full details, see H5 *SCR guide for applicants* v2.0 4 August 2008

COMPLETE SECTIONS 1-3 AND SUBMIT WITH APPLICATION

DURING THE LIFE OF THE PERMIT: MAINTAIN SECTIONS 4-7

AT SURRENDER: ADD NEW DOC REFERENCE IN 1.0; COMPLETE SECTIONS 8-10; & SUBMIT WITH YOUR SURRENDER APPLICATION.

1.0 SITE DETAILS	
Name of the applicant	European Metal Recycling
Activity address	Birchwood Lane, Alfreton, Derbyshire DE55 4NH
National grid reference	SK43373 54403

Document reference and dates for Site Condition Report at permit application and surrender	

Document references for site plans (including location and boundaries)	Groundsure Report GS-AML-KGZ-SSN-72U

Note:
In Part A of the application form you must give us details of the site's location and provide us with a site plan. We need a detailed site plan (or plans) showing:

- Site location, the area covered by the site condition report, and the location and nature of the activities and/or waste facilities on the site.
- Locations of receptors, sources of emissions/releases, and monitoring points.
- Site drainage.
- Site surfacing.

If this information is not shown on the site plan required by Part A of the application form then you should submit the additional plan or plans with this site condition report.

2.0 Condition of the land at permit issue	
Environmental setting including: • geology • hydrogeology • surface waters	**Geology** Geological records (British Geological Survey geology viewer) indicates that the site is underlain by Pennine Middle Coal Measures Formation – Mudstone. This comprises Interbedded grey mudstone, siltstone, pale grey sandstone and commonly coal seams, with a bed of mudstone containing marine fossils at the base, and several such marine fossil-bearing mudstones in the upper half of the unit. This is evidenced by the record of a marine band fossil horizon recorded as running north to south across the centre of the site. There is no information available for the superficial geology on the site suggesting that no superficial deposits are present. Worked ground is shown to be present, adjacent to the eastern site boundary, that likely links to the rail line present and is recorded as a void (cutting) Two historic borehole records are present with one located on the western edge of the site

	and one just to the south of the site boundary. The records are old, from the 1940's and 1950's, and are in relation to the Birchwood Colliery but both indicate that no superficial deposits are present. **Hydrogeology** The Pennine Middle Coal Measures underlying the site are classified as a Secondary A aquifer with a Ground Water vulnerability of medium and a chemical rating of good. The flow mechanism within the bedrock is noted as well connected fractures. **Surface Waters** The site is located within the "Erewash from Source to Nethergreen Brook" Water Body. This is not designated as a artificial or heavily modified transitional water way with Water Body ID GB104028052740 and has a poor ecological status. The OS MasterMap indicates that an inland river is present on site and runs across the eastern edge of the site from north to south. Aerial photos available for the site suggest that the river flows underneath the site as it is not visible.
Pollution history including: • pollution incidents that may have affected land • historical land-uses and associated contaminants • any visual/olfactory evidence of existing contamination • evidence of damage to pollution prevention measures	**Pollutions incidents to water and land within 250m** No Pollution incidents were identified on site. Thirteen incidents were identified withing 500m of the site, the closest of which was 131m north West of the site in 2003. A pollution incident occurred on 17.6.2003 that had a minor impact to air 131m NW of the site. This involved atmospheric pollution/effect**.** A pollution incident occurred on 15.1.2003 that had a minor impact to water 143m SE of the site. This involved Crude Sewage. The pollution events are unlikely to have a significant impact on the site due to age and nature of the incidents and distance from the site. **Historical Land uses and Associated contaminants** 1878-1978- Railway/tramway Sidings - Chlorinated Aliphatic hydrocarbons - Phenols - Herbicides - Clinker and ash (fill materials) - Arsenic, Cadmium, Chromium, Copper, Lead, Nickel, - Asbestos - Sulphate

	- PAHs - PCBs 1879-1921- Colliery (ground workings, pits, heaps) & 1950- Disused Colliery - Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Zinc, - Cyanide - Nitrate - Sulphate - Asbestos - Propanone - Hydrocarbons - PCBs 1880 – 1961 Allotment Gardens - Arsenic, Copper, Lead, Nickel, Zinc, - Pesticides - PAHs 1951 – 1989 Historic Landfill. Covers eastern side of site and licensed from 1977-1989 for inert waste. Operator Lee, Sisson and Derbyshire, – Asbestos – PAHs – Metals – Petroleum Hydrocarbons 1992-Present – Scrap Yard with associated travelling crane, weighbridge and electrical substation – Arsenic, chromium, cadmium, copper, mercury, lead, nickel, zinc – Cyanide – Sulphates – Asbestos – Oil/Fuel hydrocarbons – PCBs – Chlorinated aliphatic hydrocarbons The site setting is fairly rural but historically, within 100m the of the site the land uses are listed as the colliery that extends off site (with associated engine house, gasometer and rail sidings) a brick works, coal shafts and the rail line that runs adjacent to the east (still present) . Close to the western site boundary a recent landfill is recorded as operated by Forterra Building Products Ltd for an industrial waste landfill (factory curtilage). It is recorded as closed. Extending to 500m the land uses are similar with the addition of unspecified works, heaps

	, a sewage works and unspecified works, factories and warehousesNo historic tanks have been identified on site, the closest identified is 17m south west of the site dated 1917. One electrical substation has been identified as being present on site dated 1994. Two other electricity substations are identified within 500m of the site. **Visual/olfactory evidence of existing contamination** N/A **Evidence of damage to pollution prevention measures** N/A
Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)	**N/A**
Baseline soil and groundwater reference data	**N/A**
Supporting information	• Source information identifying environmental setting and pollution incidents • Historical Ordnance Survey plans • Site reconnaissance • Historical investigation / assessment / remediation / verification reports • Baseline soil and groundwater reference data

3.0 Permitted activities

Permitted activities	Waste Operations (Metal Recycling)
Non-permitted activities undertaken	N/a
Document references for: • plan showing activity layout; and • environmental risk assessment.	EMR Alfreton A&I

Note:

In Part B of the application form you must tell us about the activities that you will undertake at the site. You must also give us an environmental risk assessment. This risk assessment must be based on our guidance (*Environmental Risk Assessment - EPR H1*) or use an equivalent approach.

It is essential that you identify in your environmental risk assessment all the substances used and produced that could pollute the soil or groundwater if there were an accident, or if measures to protect land fail.

These include substances that would be classified as ‘dangerous’ under the Control of Major Accident Hazards (COMAH) regulations and also raw materials, fuels, intermediates, products, wastes and effluents.

If your submitted environmental risk assessment does not adequately address the risks to soil and groundwater we may need to request further information from you or even refuse your permit application.

4.0 Changes to the activity	
Have there been any changes to the activity boundary?	No
Have there been any changes to the permitted activities?	N/a
Have any 'dangerous substances' not identified in the Application Site Condition Report been used or produced as a result of the permitted activities?	No
Checklist of supporting information	• Plan showing any changes to the boundary (where relevant) • Description of the changes to the permitted activities (where relevant) • List of 'dangerous substances' used/produced by the permitted activities that were not identified in the Application Site Condition Report (where relevant)

5.0 Measures taken to protect land	
Use records that you collected during the life of the permit to summarise whether pollution prevention measures worked. If you can't, you need to collect land and/or groundwater data to assess whether the land has deteriorated.	
Checklist of supporting information	• Inspection records and summary of findings of inspections for all pollution prevention measures • Records of maintenance, repair and replacement of pollution prevention measures

6.0 Pollution incidents that may have had an impact on land, and their remediation	
Summarise any pollution incidents that may have damaged the land. Describe how you investigated and remedied each one. If you can't, you need to collect land and /or groundwater reference data to assess whether the land has deteriorated while you've been there.	
Checklist of supporting information	• Records of pollution incidents that may have impacted on land • Records of their investigation and remediation

7.0 Soil gas and water quality monitoring (where undertaken)	
Provide details of any soil gas and/or water monitoring you did. Include a summary of the findings. Say whether it shows that the land deteriorated as a result of the permitted activities. If it did, outline how you investigated and remedied this.	
Checklist of supporting information	• Description of soil gas and/or water monitoring undertaken • Monitoring results (including graphs)

8.0 Decommissioning and removal of pollution risk	
Describe how the site was decommissioned. Demonstrate that all sources of pollution risk have been removed. Describe whether the decommissioning had any impact on the land. Outline how you investigated and remedied this.	
Checklist of supporting information	• Site closure plan • List of potential sources of pollution risk • Investigation and remediation reports (where relevant)

9.0 Reference data and remediation (where relevant)	
Say whether you had to collect land and/or groundwater data. Or say that you didn't need to because the information from sections 3, 4, 5 and 6 of the Surrender Site Condition Report shows that the land has not deteriorated. If you did collect land and/or groundwater reference data, summarise what this entailed, and what your data found. Say whether the data shows that the condition of the land has deteriorated, or whether the land at the site is in a "satisfactory state". If it isn't, summarise what you did to remedy this. Confirm that the land is now in a "satisfactory state" at surrender.	
Checklist of supporting information	• Land and/or groundwater data collected at application (if collected) • Land and/or groundwater data collected at surrender (where needed) • Assessment of satisfactory state • Remediation and verification reports (where undertaken)

10.0 Statement of site condition
Using the information from sections 3 to 7, give a statement about the condition of the land at the site. This should confirm that: • the permitted activities have stopped • decommissioning is complete, and the pollution risk has been removed • the land is in a satisfactory condition.