

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	Mansfield Road, Derby DE21 4AW
National grid reference	SK35961 37848
Document reference and dates for Site Condition Report at permit application and surrender	EMR Derby SCR
Document references for site plans (including location and boundaries)	Groundsure Report GS-WW5-9AB-9FJ-ZBZ

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 Made Ground. The superficial geology comprises Alluvium-Clay, silt, sand and gravel. These sedimentary deposits are fluvial in origin. They are detrital, ranging from coarse- to fine-grained and form beds and lenses of deposits reflecting the channels, floodplains and levees of a river. The underlying bedrock comprises the Tarporley Siltstone Formation, comprising Mudstone and siltstone. These sedimentary rocks are lacustrine in origin. They are detrital, generally fine-grained (but can include layers of coarser material) and typically form thinly-laminated beds. Hydrogeology The Superficial Deposits are classified as a Secondary A aquifer and recorded as having a high groundwater vulnerability. The Tarporley Siltstone Formation underlying the site is classified as a Secondary B aquifer

	and recorded as having a high groundwater vulnerability. Surface Waters The closest surface water course is located 43m to the west and is described as an inland river. It runs in a north/south direction. The River Derwent is located 500m to the west. The site is located within the “Derwent from Bottle Brook to Trent” Water Body. This is designated as a heavily modified transitional water way with Water Body ID GB104028053240 and has a moderate ecological status. The site has a low flood risk from the river to the west. Although floods have historically been recorded to the west the presence of flood defences decreases the risk to low. The risk of groundwater flooding on the site is considered to be moderate to high based on a 1 in 100 year return period.
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 500m No Pollution incidents were identified within 500m of the site. Historical Land uses and Associated contaminants 1900 – 1914 Allotment Gardens – Arsenic, copper, lead, nickel, zinc – Pesticides/herbicides – PAHs – 1938-1956- part of Tropena Steel Works - Sulphate - Arsenic, Chromium, Lead, Nickel, Vanadium, Zinc - Sulphate - Sulphide - Asbestos 1955-1984- Railway Sidings - Chlorinated Aliphatic hydrocarbons - Phenols - Herbicides - Clinker and ash (fill materials) - Arsenic, Cadmium, Chromium, Copper, Lead, Nickel, - Asbestos - Sulphate - PAHs - PCBs - 1969-1984- Unspecified Works – PAHs – PCBs – Metals – Asbestos – Chlorinated Aliphatic hydrocarbons

	– Petroleum Hydrocarbons 1984- Industrial Estate – PAHs – PCBs – Metals – Asbestos – Chlorinated Aliphatic hydrocarbons – Petroleum Hydrocarbons 1960-Present - Scrap Metal Yard Operated by Sims and then Unimetals from 1992 – <u>Arsenic, chromium, cadmium, copper, mercury, lead, nickel, zinc</u> – <u>Cyanide</u> – <u>Sulphates</u> – <u>Asbestos</u> – <u>Oil/Fuel hydrocarbons</u> – <u>PCBs</u> – <u>Chlorinated aliphatic hydrocarbons</u> Within 100m the of the site the historical activities are listed as chemical works, Refuse heaps, Steel works, Cabinet works, Engineering Works, Fuel Storage Depot, Castings Factory and more recently Industrial Estates and unspecified works. Extending to 500m the land uses are similar with the addition of engineering works, Railway buildings, goods depots and a disused canal (likely infilled). One historic tank has been identified on site, dated 1970. Twenty tanks were identified within 500m of the site, the closest identified is 40m North of the site dated 1970. An electricity substation has been identified on site present between 1984 and 1993. Twenty-Five other electricity substations are identified within 500m of the site with the closest 123m SW, 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
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3.0 Permitted activities	
Permitted activities	Metal processing and recycling
Non-permitted activities undertaken	N/a
Document references for: • plan showing activity layout; and • environmental risk assessment.	EMR Derby Site Plan EMR Derby Aspects & Impacts Register

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?	N/a
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?	N/a
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)
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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)
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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.