Monarch Metals Ltd

Unit B, Westwood Industrial Estate, Arkwright Street, Oldham, Greater Manchester, OL9 9LZ

Bespoke Permit Application

SITE CONDITION REPORT

Version 1 – Application

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.

August 2024

1.0 SITE DETAILS	
Name of the applicant	Monarch Metals Ltd
Activity address	Unit B, Westwood Industrial Estate, Arkwright Street, Oldham, Greater Manchester, OL9 9LZ
National grid reference	SD 91534 05123

Document reference and dates for Site Condition Report at permit application and surrender	129-003279 Site Condition Report

Document references for site plans (including location and boundaries)	6. Site Location Plan

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	<u>Geology & Hydrogeology:</u> According to the relevant British Geological Survey map, the site is underlain by Pennine Lower Coal Measures which comprises of mudstone, siltstone and sandstone. There are recorded Devensian till superficial deposits comprising of clay. According to the relevant bedrock aquifer designation map, the site is located on a Secondary A aquifer which is confirmed by the groundwater vulnerability map. The site is located within a 'Special Protection Zone II Outer Protection Zone' and is not in an area liable to flooding. <u>Surface Water:</u> There are no surface waters within 250m radius of the subject site. <u>Site Condition:</u> The site is concreted throughout. All waste storage and waste activities are completed on the concreted surfaces.

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	<u>Pollution incidents:</u> One Category 3 Pollution incident identified within 250m of the subject site with 'Smoke:Tyres' being the pollutant. No pollution incidents within 50m of the subject site. <u>Historical Land Uses:</u> The earliest available known land-use for the subject site were iron works from 1891. Historical records demonstrate that the subject site has been used extensively for transportation purposes, especially railway sidings. The subject site became part of an industrial estate in 1988. The use of the subject site change from a vacant industrial unit to the metal recycling site currently in place. <u>Visual/olfactory evidence of existing contamination:</u> None <u>Evidence of damage to pollution prevention measures:</u> None
Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)	The initial conceptual model below has identified a number of potential contaminant linkages from current and historical land-uses. No further investigation has been undertaken at this time. The site is located within an industrial/commercial area that may have been subject to historical contamination.
Baseline soil and groundwater reference data	n/a
Supporting information	• 11. Geological Maps • 12. Environmental Maps

Initial Conceptual Site Model

Source	Contaminant	Location	Probability & Assessment of Risk
Onsite			
Current – Monarch Metals Ltd (2005 to present)	Metals, asbestos, petroleum hydrocarbons, polyaromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs)	Soils, groundwater	**Possible** – Low Risk
Current – storage tanks – diesel and oil (assumed 2005 – present)	Petroleum hydrocarbons	Soils, groundwater	**Possible** – Low Risk
Historical – Iron works (1891 to approx. 1950s)	Metals, asbestos, petroleum hydrocarbons, PAHs, PCBs	Soils, groundwater	**Possible** – Moderate Risk

Source	Contaminant	Location	Probability & Assessment of Risk
Historical - Railway Sidings (1907 – 1970s)	Metals, PCBs, PAHs, solvents, petroleum hydrocarbons, asbestos	Soils, groundwater	**Possible** – Moderate Risk
Historical – Sawmill (1956)	Metals, asbestos, petroleum hydrocarbons, PAHs, PCBs	Soils, groundwater	**Possible** – Moderate Risk
Offsite			
Current /historical– various waste operations & automotive industries present) <250m from site	Metals, PCBs, PAHs, solvents, petroleum hydrocarbons, asbestos	Soils, groundwater	**Possible** – Low to Moderate Risk
Current – Petrol Station (Present, 300-350m SE)	Metals, PCBs, PAHs, solvents, petroleum hydrocarbons, asbestos	Soils, groundwater	**Possible** – Low to Moderate Risk (due to distance)
Current – Railway, present, 220m SE)	Metals, PCBs, PAHs, petroleum hydrocarbons, asbestos	Soils, groundwater	**Possible** – Low Risk (due to distance)

3.0 Permitted activities	
Permitted activities	Metal Recycling (Recovery Codes R4 & R13)
Non-permitted activities undertaken	The site currently operates under a T9 exemption which will be superseded by the environmental permit once obtained.
Document references for: • plan showing activity layout; and • environmental risk assessment.	6. Site Location Plan 8. Site Operations Plan 15. Site-Specific Environmental Risk Assessment

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?	
Have there been any changes to the permitted activities?	
Have any 'dangerous substances' not identified in the Application Site Condition Report been used or produced as a result of the permitted activities?	
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	
Checklist of supporting information	•

6.0 Pollution incidents that may have had an impact on land, and their remediation	
Checklist of supporting information	•

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.