

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	Morgan Thermal Ceramics Company Registration Number: 0890443
Activity address	Fibre Centre of Excellence, Tebay Road, Brombough, Wirral, Uk CH62 3PH
National grid reference	SJ3542081640 (Easting 335420, Northing 381640)
Document reference and dates for Site Condition Report at permit application and surrender	Site Permit Ref: EPR/AP3137HG
Document references for site plans (including location and boundaries)	BRG-P01

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: <ul style="list-style-type: none"> • geology • hydrogeology • surface waters 	Former Fibre production site. Process was contained within main factory building
Pollution history including: <ul style="list-style-type: none"> • 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 	Not applicable
Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)	None observed
Baseline soil and groundwater reference data	Not Available

Supporting information	<ul style="list-style-type: none"> • 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	Production of alumina fibres for high temperature applications
Non-permitted activities undertaken	Production of Ceramic Fibre Research and Development (Ceramic Fibre) Laboratory analysis Warehousing and Distribution
Document references for: <ul style="list-style-type: none"> • plan showing activity layout; and • environmental risk assessment. 	Site plans - BRG-P01, BRG-P02 Environmental Assessment – BRG-F-01

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?	No
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	<ul style="list-style-type: none"> • 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	
<p>Liquid waste produced at stages was collected into IBCs, which were stored on bund trays to reduce spillage to land.</p> <p>Site drainage design collects all process water into subterranean chambers, which act as clarifying tanks in general use and can also be isolated to prevent any discharge into watercourses. Drains positioned away from liquid waste production areas, to minimise chance of waste streams entering watercourse.</p> <p>All plant process areas were painted in a chemically resistant, flexible paint.</p>	
Checklist of supporting information	<ul style="list-style-type: none"> • 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	
No pollution incidents occurred during the life of the installation,	
Checklist of supporting information	<ul style="list-style-type: none"> • 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.

No soil gas or water monitoring was performed, as no leaks to ground or watercourses occurred throughout the life of the installation.

Checklist
supporting
information

of

- Description of soil gas and/or water monitoring undertaken
- Monitoring results (including graphs)

8.0 Decommissioning and removal of pollution risk

The permitted activity on the site has now been decommissioned. The commercial production of the Sol Gel alphas wool has ceased, and the line is being dismantled. The permit was issued for a production process estimated to produce approx. 100 tonnes per annum. In reality it barely produced 5 tonnes per annum. The pollution risks were

1. Emissions to air from the Kiln scrubber stack – which was monitored annually as per the permit instructions. All scrubber pipework and associated equipment has been removed, and the kiln has been removed from the process line. The kiln is currently being refurbished and re-purposed onto an alternate R&D fibre line.
2. Emissions to water from the Kiln scrubber liquor buffer (saline solution) – which was monitored constantly, with ALL liquor held in IBCs and analysed before discharge.

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)

No groundwater data was collected due to the controls in place for the duration of the activity, and the observed condition of the ground beneath the equipment upon removal. The raw materials and By-products and waste products were all located in appropriate containers with secondary containment (bundling). The scrubber liquor IBCs were stored on spill trays to provide secondary containment. Removal of the scrubber chambers confirmed the local land condition had not deteriorated. All remaining process residues from the production line and the smaller scale pilot pant have since been removed from site. Throughout the life of the permitted activity, there is no evidence to suggest any spills have reached a watercourse due to the controls in place and the physical distance to drains.

1. Acid gas abatement scrubbers & associated chemicals



Scrubbers removed.
Chemicals used to abate acid gases removed and disposed of.

2. Kiln to end of fibre manufacture line

Checklist supporting information	of	<ul style="list-style-type: none">• 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
<p>Site was originally a fibre production plant, which was closed and remained as a research and development facility for the business. The permit application occurred as a result of scale up of one of these research projects, and was constructed within the R&D facility as some historical hazard control infrastructure was already in place. This was ultimately a commercial failure, so was discontinued and has now been decommissioned.</p> <p>All activities associated with the permit have ceased, Decomissioning has now been completed, including: Equipment used to store and supply raw materials has been removed. Mixing nozzles dismantled and removed, and fibre drying kiln (source of air pollution) has been removed. Associated ductwork, pipework and scrubber chambers have been removed, removing risk of ground pollution.</p> <p>Floor areas beneath pollution sources have not been damaged throughout use of installation; no remedial works were required.</p> <p>Site will continue to function as a research facility.</p>