



# **SITE CONDITION REPORT**

## **IBA Recycling Facility, Barry**

**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.**

<b>1.0 SITE DETAILS</b>	
Name of the applicant	Raymond Brown Minerals & Recycling Ltd
Activity address	IBA Recycling Facility, Wimbourne Road, Barry Docks Vale of Glamorgan CF63 3DH
National grid reference	ST 13043 68193
Document reference and dates for Site Condition Report at permit application and surrender	SR2012 No.13 - Permit Application – 13 <sup>th</sup> February 2015
Document references for site plans (including location and boundaries)	DP171/001 – Site Layout Plan DP171/002 – Site Boundary 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.

<b>2.0 Condition of the land at permit issue</b>	
Environmental setting including: <ul style="list-style-type: none"> <li>• geology</li> <li>• hydrogeology</li> <li>• surface waters</li> </ul>	<p>Please refer to DP171/003 to provide the environmental setting of the site.</p> <p>The geological setting is included within Section 1.1 of DP171/004. A description is also provided within Section 2.3 of DP171/005 – Contamination Status Report.</p> <p>The existing hydrology, site drainage and flood risk assessment is included within Section 2 of the DP171/004 and Section 2.3 of DP171/005 – Contamination Status Report.</p>
Pollution history including: <ul style="list-style-type: none"> <li>• pollution incidents that may have affected land</li> <li>• historical land-uses and associated contaminants</li> <li>• any visual/olfactory evidence of existing contamination</li> </ul>	<p>Within DP171/005 – Contamination Status Report, Section 2.2 provides the Site History of the Barry Docks. Section 4 provides information on the ground conditions encountered and the contamination status.</p> <p>A number of trial pits have been assessed within Phase 2 and 3 of the site. The</p>

<ul style="list-style-type: none"> <li>evidence of damage to pollution prevention measures</li> </ul>	<p>remaining part of the site was surfaced within concrete and therefore not drilled. The borehole logs are included within Appendix A of DP171/005.</p> <p>Appendix D contains the borehole test results with the finding in Section 4 and conclusion within Section 5.</p> <p>Section 5 states <i>“The site is an area of docklands which was constructed by infilling and has been affected by a number of subsequent industrial uses. The predominantly cohesive materials used as infill (re-worked alluvium) are of relatively low-permeability and therefore would have restricted significant migration of contaminants that have been potentially spilled/leaked. It is possible, therefore, that the occurrence of more severe contamination will be relatively isolated to the potential point sources identified. Laboratory testing on samples taken from across the site have identified concentrations of metal and organic contaminants. Specifically, a number of contaminants have been identified within the groundwater above the relevant environmental standard. Based on the development history of the site and surrounding areas these levels are not considered extraordinary for a dockland area. The results of soil and water chemistry outlined above can be considered suitably representative of the contamination status of the site at this time, against which future assessments can be compared.</i></p> <p>There have been no known pollution incidents onsite since the testing conducted in 2008 as informed by the land owner ABP. This information is displayed from NRW records relating to the site area as shown in evidence DP171/006 – NRW Pollution Incident Map.</p>
<p>Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)</p>	<p>The evidence of historic contamination is displayed within Section 4 of DP171/005.</p>
<p>Baseline soil and groundwater reference data</p>	<p>Please refer to the borehole logs and soil testing results in Appendix D of DP171/005.</p>
<p><b>Supporting information</b></p>	<ul style="list-style-type: none"> <li>Source information identifying environmental setting and pollution incidents</li> <li>Historical Ordnance Survey plans</li> </ul>

	<ul style="list-style-type: none"> <li>• Site reconnaissance</li> <li>• Historical investigation / assessment / remediation / verification reports</li> <li>• Baseline soil and groundwater reference data</li> </ul>
--	---

<b>3.0 Permitted activities</b>	
Permitted activities	<p>As listed in SR 2012 No.13 – The application is for the treatment of Incinerator Bottom Ash.</p> <p>Please see Photo 1: Proposed Site Operation (Hampshire IBAA Plant).</p>
Non-permitted activities undertaken	<p>In accordance with 2.1 – Permitted Activities of the Site Permit, No other wastes other than those categorised in Table 2.2 shall be accepted onsite.</p> <p>Site operations have been in accordance with Permit conditions.</p>
Document references for: <ul style="list-style-type: none"> <li>• plan showing activity layout; and</li> <li>• Environmental risk assessment.</li> </ul>	DP171/ 001 – Site Layout Plan DP171/ 003 - Environmental Setting DP171/007 – 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?	To be completed during operational phase of IBA Recycling Facility.
Have there been any changes to the permitted activities?	To be completed during operational phase of IBA Recycling Facility.
Have any 'dangerous substances' not identified in the Application Site Condition Report been used or produced as a result of the permitted activities?	To be completed during operational phase of IBA Recycling Facility.
Checklist supporting information	of 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	
To be completed during operational phase of IBA Recycling Facility.	
Checklist supporting information	of 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	
To be completed during operational phase of IBA Recycling Facility.	
Checklist supporting information	of 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)

To be completed during operational phase of IBA Recycling Facility.

RBMR proposed to conduct further onsite land monitoring and soil testing when the construction site works commence to provide an up to date record of land quality.

RBMR proposed to submit this evidence to NRW as a supplementary document for the site records.

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		
To complete at the stage of permit surrender.		
Checklist supporting information	of	Site closure plan List of potential sources of pollution risk Investigation and remediation reports (where relevant)

9.0 Reference data and remediation (where relevant)		
To complete at the stage of permit surrender.		
Checklist supporting information	of	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		
To complete at the stage of permit surrender.		