Boskalis Eastham Aggregates Depot

Environmental Permit Application

Site Condition Report

November 2019

Prepared on behalf of Boskalis Westminster Limited

Boskalis
Westminster

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EA Site Condition Report Template

1.0 Site Details	
Name of the applicant	Boskalis Westminster Limited
Activity address	Commercial Road Bromborough Wirral CH62 3NL
National grid reference	SJ 35801 83317

Document reference and dates for Site Condition Report at permit application and surrender	Application Site Condition Report (November 2019)

Document references for site plans (including location and boundaries)	BWL/A113422/PER/01 – Permit Application Boundary BWL/A113422/LAY/01 – Site Layout Environmental Risk Assessment (Appendix C of the Environmental Permit Application)

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>Site Setting</u> The application site is located off Commercial Road, Bromborough, Wirral, CH62 3NL and is centred at approximate National Grid Reference (NGR) SJ 35801 83317. The Environmental Boundary for the site is shown

	on Drawing Number BWL/A113422/PER/01. Access to the site is achieved from Commercial Road which is to the south of the site. The site is located in an industrial area to the west of the River Mersey. An aggregates recycling facility abuts the south west of the site. Wirral International Business Park is located to the south, south west and west of the site, Dock Road South Industrial Estate is located to the north and a retail and leisure park is located further to the west. <u>Geology</u> According to the British Geological Survey's (BGS) 'Geology of Britain Viewer', the north eastern part of the site is underlain by Devensian Till, which comprises sandy, gravelly and cobbly clay. These deposits were formed in a local environment previously dominated by ice age conditions. The BGS website shows that the south western part of the site is not underlain by a recorded superficial geology. The BGS website shows that the bedrock geology that underlies the site is the Chester Formation, which comprises pebbly and gravelly sandstone. This sedimentary bedrock formed approximately 247 to 250 million years ago in the Triassic Period in a local environment previously dominated by rivers. <u>Hydrogeology</u> With reference to the Multi-Agency Geographic Information for the Countryside's (MAGIC) website, the site is not situated within a Groundwater Source Protection Zone (GSPZ). According to the MAGIC website, the Devensian Till deposits are classified as a Secondary (undifferentiated) Aquifer. The Environment Agency show that these aquifers have been assigned where it has not been possible to attribute either category A or B to a rock type. In most cases this means that the layer in question has previously been designated as both minor and non-

	aquifer in different locations due to the variable characteristics of the rock type. <u>Surface waters</u> The River Mersey is located to the east of the site. According to the Flood Map for Planning Service (FMPS), the majority of the site is not situated within a flood risk zone. However, as shown on Drawing Number BWL/A113422/PER/01, the eastern section of the site is situated within the mud flats which is designated as a high flood risk zone. <u>Ecology</u> Pre-application advice was sought from the Environment Agency (reference EPR/HB3308LW/A001) which included a habitats screen. The results of the screen identified the following statutory ecological sites:- • The New Ferry Site of Special Scientific Interest (SSSI); and • The Mersey Estuary Special Protection Area (SPA) and Ramsar site. The MAGIC website also shows that the Mersey Estuary is a SSSI. The New Ferry SSSI is located approximately 445m to the north of the site and the Mersey Estuary SPA, Ramsar site and SSSI is located approximately 15m to the east of the site.
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	The facility has previously been used as a dredgings processing facility, which was operated by W.Maher & Sons Limited (unconnected to Boskalis) and was permitted under EAWML 50397 in August 2005. There is no evidence of any damage to pollution on site within the Environmental Permit boundary. However, there may have been some localised spills of petrol and/or diesel as a result of the historical land uses.
Evidence of historic contamination, for example, historical site investigation, assessment,	There is no evidence of historic contamination within the site boundary.

remediation and verification reports (where available)	
Baseline soil and groundwater reference data	None provided.
Supporting information	None provided.

3.0 Proposed permitted activities	
Proposed permitted activities	The facility will accept and process dredging spoil, which will be subject to physical treatment only, consisting of screening. The activity will have a proposed annual throughput of 300,000 tonnes. The proposed activity and waste types are detailed further in the Operating Techniques document included with this application. It is considered that the proposed activities at the site will fall under the following Recovery and Disposal codes, provided for in Annex II to Directive 2008/98/EC of the European Parliament and The Council of 19th November 2008 Waste. • D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced); • R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced); and • R4: Recycling/reclamation of other inorganic materials.
Proposed non-permitted activities undertaken	N/A
Document references for: • plan showing activity layout; and • environmental risk assessment.	BWL/A113422/PER/01 – Permit Application Boundary BWL/A113422/LAY/01 – Site Layout Environmental Risk Assessment (Appendix C of the Environmental Permit Application)

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 the 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 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.