

Bleak Hill I

784-B031732

Site Condition Report

Environmental Permit Application

CEMEX UK Materials Limited

January 2024

Document prepared on behalf of Tetra Tech Limited. Registered in England number: 01959704



TETRA TECH

Tetra Tech Manchester, 2nd Floor, 11 York Street, Manchester, United Kingdom, M2 2AW

Tetra Tech Limited. Registered in England number: 01959704
Registered Office: 3 Sovereign Square, Sovereign Street, Leeds, United Kingdom, LS1 4ER

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1.0 EA SITE CONDITION REPORT TEMPLATE

1.0 Site Details	
Name of the applicant	CEMEX UK Materials Limited (CEMEX)
Activity address	Hamer Warren Harbridge Road Ringwood, BH24 3PX
National grid reference	SU 13076 11041

Document reference and dates for Site Condition Report at permit application and surrender	Application Site Condition Report (January 2024)
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Document references for site plans (including location and boundaries)	CEM/B031732/PER/01 - Site Location and Environmental Permit Boundary CEM/B031732/PER/01 – Site Layout Plan
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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

Site Setting

The site is located within the wider Hamer Warren site off Harbridge Road, Ringwood, BH24 3PX, which is located approximately 1.5km southeast of Alderholt in Hampshire and is centred at approximate National Grid Reference (NGR) SU 13076 11041. The application site is detailed on Drawing Number CEM/B031732/PER/01.

Access to the site is achieved via an unnamed access road off Alderholt Road which is located to the south of the site. The site is an existing landfill site known as Bleak Hill I; the landfill is regulated under a separate environmental permit (reference EPR/FP3498SZ and EAWML 21000).

The south, east and west of the site are bordered by rural land and the north of the site is bordered by Bleak Hill II and Bleak Hill III. All three of the Bleak Hill sites are operated by CEMEX. The site is also located approximately 1.3km west of the Avon Valley which is designated as a Site of Special Scientific Interest (SSSI), Special Protection Area (SPA) and Ramsar.

Geology

According to the British Geological Survey (BGS) 'Geology of Britain Viewer' the proposed permit area consists of Parkstone Sand Member - Sand (Bedrock Geology). This is a Sedimentary bedrock formed between 66 and 23.03 million years ago during the Palaeogene period.

The superficial deposit of the proposed permit area consists of River Terrace Deposits, 6 - Sand and gravel which is a sedimentary superficial deposit formed between 2.588 million years ago and the present during the Quaternary period.

Hydrogeology

According to the Multi-Agency Geographic Information for the Countryside's (MAGIC) website, the Superficial Aquifer for the site comprises a Secondary A (undifferentiated aquifer) as does the Bedrock Aquifer

The MAGIC website indicates that the proposed permit area is of medium - high vulnerability and is not situated within a Groundwater Source Protection Zone (GSPZ).

Hydrology

There are multiple surface water features within 1km of the site. These are: -

	<ul style="list-style-type: none"> • A collection of streams and ponds (370m northwest); • Warren Farm Ponds (620m northwest); • Hammer Brook (30m southwest); • Turmer Brook (595m southeast); • Ringwood Road Pond (800 north); • Pond (110m south); and, • Pond (775m south). <p>With reference to the Flood Map for Planning Service (FMPS) website, the proposed permit is situated in a Flood Zone 1 area. As defined on the FMPS website, Flood Zone 1 areas comprise land assessed as having a low probability of flooding from rivers and the sea.</p> <p><u>Ecology</u></p> <p>A 'Nature and Heritage Conservation Screen' was requested from the Environment Agency. The results of the screen (EPR/LB3602TQ/A001) are provided in the Environmental Risk Assessment (Appendix D) of the Environmental Permit application). The results of the screen identified the following: -</p> <ul style="list-style-type: none"> • Ringwood Forest & Home Wood; and, • Sand Lizard. <p>The results of the screen are appended in the Environmental Risk Assessment (Appendix D of the main application) and the Receptor Plan (Drawing Number CEM/B031732/REC/01).</p>
<p>Pollution history including:</p> <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 	<p>With reference to historic maps dated from 1900 to present, the following activities were identified on the site and the surrounding area: -</p> <p>1870-1940: The site is identified as farmland, To the west of the site boundary is a gravel pit.</p> <p>1950 - 1960: Activity within the site boundary remains the same, however the gravel pit is no longer in use.</p> <p>1960 - 1980: Two residential buildings are established adjacent to the site boundary. No change observed within the site boundary.</p> <p>1980-1990: No change to activity within the site. A gravel pit is identified to the south of the site, adjacent to Bleak Hill I.</p> <p>1990 – Present day: Mineral workings have been undertaken on and around the Hamer Warren Quarry site. Infilling works have also commenced in order to restore the site.</p> <p>There is no visual olfactory evidence of contamination on site within the Environmental Permit Boundary. However, the</p>

	historical land use of the site for the purpose which this application relates may have led to isolated hot spots of contamination from leaks and spills associated with plant and delivery vehicles on site.
Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)	<p>The area on which the site currently is located has a significant history of mineral workings and associated infilling through inert landfill.</p> <p>There has been no site investigation associated with the surrender of Bleak Hill I or Bleak Hill II and as such there is no existing contamination data for the landfill.</p> <p>The site has operated under the Landfill Directive and as such waste acceptance records should be available for the site.</p>
Baseline soil and groundwater reference data	None provided.
Supporting information	None provided.

3.0 Permitted activities	
Permitted activities	<p>CEMEX are seeking to gain an environmental permit for the operation of a soil washing facility.</p> <p>The proposed treatment activities will be undertaken as waste operations and will comprise the following R and D Codes provided in Annex II to Directive 2008/98/EC: -</p> <ul style="list-style-type: none"> • R3 - Recycling/ reclamation of organic substances which are not used as solvents; • R5 - Recycling/reclamation of other inorganic materials; and, • R13 - Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where the waste is produced).
Non-permitted activities undertaken	There will be no non-permitted activities undertaken within the permit area.
Document references for:	<p>CEM/B031732/PER/01 – Environmental Permit Boundary.</p> <p>CEM/B031732/LAY/01 - Site Layout Plan.</p> <p>Environmental Risk Assessment - (Appendix D of the Environmental Permit Application).</p>

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 Existing Activities	
• 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	<ul style="list-style-type: none">• Application Forms – Appendix A (January 2024);• Pre-Application Discussion– Appendix B (June 2023);• Operating Techniques– Appendix C (January 2024);• Environmental Risk Assessment– Appendix D (January 2024);• Dust Management Plan– Appendix E (January 2024);• Noise Impact Assessment and Management Plan– Appendix G (December 2023);• Site Condition Report– Appendix H (January 2024);• Non-Technical Summary (January 2024);• CEM/B031732/PER/01 - Environmental Permit Boundary;• CEM/B031732/PER/01 – Environmental Receptor Plan; and,• CEM/B031732/LAY/01 - Site Layout Plan.

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	<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	
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.	
	<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.

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.