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ENERGY AND CLIMATE CHANGE
ENVIRONMENT AND SUSTAINABILITY
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LAND AND PROPERTY
MINING AND MINERAL PROCESSING
MINERAL ESTATES
WASTE RESOURCE MANAGEMENT

QUERCIA LIMITED

CLAYTON HALL LANDFILL

NON-TECHNICAL SUMMARY

DECEMBER 2024

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1 INTRODUCTION

1.1.1 Quercia Limited have commissioned Wardell Armstrong to prepare an environmental permit variation application for their Clayton Hall Landfill Site in Chorley, Lancashire.

1.1.2 The environmental permit allows the disposal of non-hazardous waste to landfill (permit reference is EPR/BV1364ID).

1.1.3 The Site is located approximately 9km south of Preston, at Clayton Hall Sand Quarry, Dawson Lane, Whittle-le-Woods, Chorley, PR6 7DT.

1.1.4 The National Grid Reference (NGR) for the Site is SD 56787 22022.

1.1.5 Enhance pre-application advice was requested on 25th July 2024 and a meeting was held with the Environment Agency on 9th October 2024 to discuss the application.

2 CHANGES TO THE ENVIRONMENTAL PERMIT

2.1.1 The purpose of the variation is to include a new area of land within the landfill boundary, extending Cell 4B, to add phase 4.

2.1.2 A CQA Plan for Cell 4B was submitted to the Environment Agency in April 2020 which included the division of Cell 4B into 4 phases and includes a temporary intercell bund between the Phase 3 Cell and the proposed Phase 4 Cell.

2.1.3 Phases 1 to 3 of Cell 4B, all sit within the current permitted landfill cell boundary and have been constructed and approved by the EA for the tipping of waste. These cells are now at capacity.

2.1.4 The waste in Cell 4B Phase 3 is currently contained by a temporary intercell bund, which is proposed to be removed to allow the development of the proposed Cell 4B Phase 4.

2.1.5 The footprint of the proposed Cell 4B, although included in the approved CQA Plan, sits outside the extant permit boundary (as per the permit boundary plan in Schedule 7 of the environmental permit EPR/BV1364ID/V006).

2.1.6 As such, the permit requires variation to update the boundary plan to include the footprint of Cell 4B Phase 4 to enable completion of the basal lining system and tie in of the cap. The monitoring schedules and financial provision condition may also require updating.

2.1.7 It has been calculated that approximately 124,618m³ of waste will be required to fill phase 4, and ultimately complete the landfill.

2.1.8 Further detail of the proposed change is provided in the Environmental Setting and Site Design and the Operating Techniques Report.

3 PERMIT VARIATION APPLICATION

3.1.1 The variation application comprises the following documentation:

- Statutory application forms;
- This Non-Technical Summary which provides a summary of the changes required and the environmental protection measures;
- Addendum to the Operating Techniques Report;
- Amenity, Accident and Habitats Risk Assessment;
- Addendum to the Environmental Setting and Site Design;
- Stability Risk Assessment;
- Hydrogeological Risk Assessment;
- Gas Risk Assessment;
- Details of additional financial provision will be confirmed in the new year;
- Associated drawings.

3.1.2 These documents provide a comprehensive description of the proposed changes, and risk assessments that demonstrate that there is no additional risk to the environment posed from the changes to be made.

3.1.3 These documents have been prepared in accordance with Environment Agency guidance.

4 ENVIRONMENTAL RISK AND MANAGEMENT

4.1.1 The landfill extension (Cell 4B Phase 4) has been designed to provide comprehensive environmental protection and will continue to operate under Quercia Limited's Environmental Management System.

4.1.2 Site operations will be carried out in accordance with Environment Agency guidance, and in accordance with the Operating Techniques. Existing measures to control litter will continue in force.

4.1.3 The proposed extension is not expected to generate additional noise beyond the background levels that already exist. Plant and equipment will be fitted with noise suppression features as appropriate and will be maintained in accordance with manufacturers recommendations. A 10mph speed restriction will be enforced on site and plant will be switched off when not in use.

4.1.4 A Hydrogeological Risk Assessment (HRA) has been prepared to assess the risk of the proposed extension to groundwater. The recommendations of the HRA will be implemented.

4.1.5 A Gas Risk Assessment has been prepared to predict the gas production and flows and how these gases will be managed and/or utilised. Recommendations to upgrade the gas management system will be reviewed and implemented as required.

4.1.6 An Odour Management Plan has been prepared to ensure the risk of odour from the receipt and deposit of biodegradable waste into the landfill is effectively controlled and setting out actions to be taken in the event of odorous fugitive emissions detectable beyond the site boundary.

4.1.7 A Dust Management Plan has been prepared to ensure the risk of dust from the receipt and deposit of potentially dusty waste into the landfill and any pre-treatment of waste required for landfill cover/road maintenance is effectively controlled and setting out actions to be taken in the event of fugitive dust emissions detectable beyond the site boundary or in the event of a complaint. The Dust Management Plan also considers how mud tracked out from the site onto highways will be prevented.

4.1.8 An Amenity and Accident Risk Assessment has been prepared, which details how incidents which could result in pollution are minimised as far as possible and dealt with in the event of an accident occurring. This risk assessment also includes a Habitats Risk Assessment which assesses the potential impact from the proposed

changes at the Site on nearby protected habitats, including the West Pennine Moors SSSI located approximately 5.6km to the southeast from the Site.

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