



# **Langley Quarry Inert Landfill**

## **Environmental Permit Application**

### **Non-Technical Summary**

**November 2017**

Prepared on behalf of CEMEX UK Materials Limited





**Document control**

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**Contents**

1.0 Introduction ..... 1  
2.0 Non-Technical Summary..... 2

**Drawings**

- CEM/A103725/LOC/01 – Site Location
- P1/739/5 (Rev C) – Final Restoration

**Appendices**

- Appendix A – Application Forms and OPRA profile
- Appendix B – Operating Techniques
- Appendix C – Environmental Setting and Site Design
- Appendix D – Environmental Risk Assessment
- Appendix E – Stability Risk Assessment
- Appendix F – Hydrogeological Risk Assessment
- Appendix G – Landfill Gas Screening Report
- Appendix H – Environmental Management and Monitoring Plan
- Appendix I – Closure and Aftercare Plan
- Appendix J – Financial Provision
- Appendix K – Site Condition Report



## **1.0 Introduction**

### **1.1 Application Requirements**

- 1.1.1 This Environmental Permit Application has been prepared by WYG on behalf of the Operator, CEMEX UK Materials Limited (CEMEX), in accordance with the requirements of the Environmental Permitting (England and Wales) Regulations 2016 as amended.
- 1.1.2 Buckinghamshire County Council has granted planning permission for the importation of suitable inert materials at a site in Langley, Buckinghamshire in order to achieve the restoration scheme (Drawing Number P1/739/5 Rev C) as approved under planning permission reference CM/51/16.
- 1.1.3 In order to facilitate the restoration works, CEMEX seeks to gain a bespoke waste disposal permit for the permanent deposit of inert waste to land at the site.



## 2.0 Non-Technical Summary

### 2.1 Permit Application

- 2.1.1 This Environmental Permit Application is submitted to the Environment Agency by the operator, CEMEX, under the requirements of the Environmental Permitting (England and Wales) Regulations as amended in 2016. It is a requirement of these Regulations that any application is accompanied by a Non-Technical Summary of the submitted documentation.
- 2.1.2 The application site (Langley Quarry) is located to the north of North Park Road in Iver, Buckinghamshire and is centred at approximate National Grid Reference (NGR) TQ 02745 79484. The site location is shown on Drawing Number CEM/A103725/LOC/01.
- 2.1.3 Current access to the site is achieved off North Park Road located on the southern boundary of the site.
- 2.1.4 The immediate surroundings of the site are largely agricultural with the nearest residential property located approximately 110m south east from the site on North Park Road. To the south of the site, opposite North Park Road is Richings Park Golf and Country Club and to the north is the main Bristol to Paddington railway line.
- 2.1.5 Buckinghamshire County Council granted planning permission for the extraction of minerals at a site in Langley, Buckinghamshire. Following mineral extraction, planning permission reference CM/51/16 requires the site to be restored in accordance with the restoration scheme (Drawing Number P1/739/5 Rev C) as approved. As detailed in the restoration scheme, the site will be restored back to existing levels to agricultural land and will comprise additional features that will enhance the biodiversity of the site.
- 2.1.6 In order to restore the site, CEMEX seeks to gain a bespoke waste disposal permit for the permanent deposit of inert waste at the Langley Quarry site to facilitate the restoration scheme approved under the aforementioned planning permission.
- 2.1.7 This application is accompanied by all relevant documentation, as required by the aforementioned Regulations, and in the format set out in the Environment Agency guidance documents. In summary, these documents comprise:-
- Application Forms A, B2, B4 and F1;
  - OPRA profile;



## Langley Quarry Inert Landfill – Non-Technical Summary

- Operating Techniques;
- Environmental Setting and Site Design;
- Environmental Risk Assessment;
- Stability Risk Assessment;
- Hydrogeological Risk Assessment;
- Landfill Gas Screening Report;
- Environmental Management and Monitoring Plan;
- Closure and Aftercare Plan;
- Financial Provision; and
- Site condition Report.

2.1.8 Specific details of the operations at the site are provided in the Operating Techniques (Appendix B), which describes both the operational techniques and management procedures carried out at the site. In summary, this document provides details of:-

- Waste types and waste acceptance criteria;
- Site records;
- Emissions control;
- Incidents and non-conformance procedures;
- Accident management; and
- Emergency procedures.

2.1.9 The Environmental Setting and Site Design report (Appendix C) describes the site in relation to the environmental setting, identifying the source terms, pathways and receptors that have been used as the basis for the risk assessments provided.

2.1.10 The Environmental Risk Assessment (Appendix D) is concerned with the nature and extent of any linkages between the source of any environmental hazards, and the receptors, which may be susceptible to harm; such linkages being termed pathways. Where potential for harm is identified, the assessment identifies engineering or management techniques, which will mitigate such impacts. This report is supported by a Nature and Heritage Conservation Screen that was requested from the Environment Agency (Reference Number EPR/FB3404CP/A001). This screen determines the presence of any sites of nature and heritage conservation, or



## Langley Quarry Inert Landfill – Non-Technical Summary

protected species or habitats that may be impacted by the proposal.

- 2.1.11 The Stability Risk Assessment (Appendix E) documents the structural and physical ability of the landfill over the entire life cycle of the landfill.
- 2.1.12 A Hydrogeological Risk Assessment (Appendix F) provides the geological and hydrogeological setting of the site allowing the development of a conceptual model to determine the risk that the facility will pose to underlying groundwater.
- 2.1.13 The Landfill Gas Screening Report (Appendix G) determines the risks presented by the placement of materials on surrounding receptors.
- 2.1.14 The Environmental Management and Monitoring Plan (Appendix H) outlines the pre-operational, operational and post-operational monitoring requirements associated with the permit application. This includes monitoring requirements with regards to groundwater, perimeter monitoring boreholes, in waste monitoring boreholes and the monitoring of the landfill body in accordance with relevant technical guidance.
- 2.1.15 The Closure and Aftercare Plan (Appendix I) demonstrates how the landfill will be maintained following cessation of filling activities to avoid any risk of pollution to the point of surrender of the Environmental Permit.
- 2.1.16 The Financial Provision (Appendix J) document shows all associated costs of environmental monitoring, restoration, monitoring, reports, site reports and security.
- 2.1.17 As required under the Environment Agency's Regulatory Guidance Note RGN 9 – Surrender, a Site Condition Report (Appendix K) has been prepared regarding areas of the site that will not be used for the permanent deposit of wastes.



## Drawings

CEM/A103725/LOC/01 – Site Location

P1/739/5 (Rev C) – Final Restoration





## Appendices



## **Appendix A – Application Forms and OPRA**



## **Appendix B – Operating Techniques**



## **Appendix C – Environmental Setting and Site Design**



## **Appendix D – Environmental Risk Assessment**



## **Appendix E – Stability Risk Assessment**



## **Appendix F – Hydrogeological Risk Assessment**



## **Appendix G – Landfill Gas Screening Report**





## **Appendix H – Environmental Management and Monitoring Plan**



## **Appendix I – Closure and Aftercare Plan**



## **Appendix J – Financial Provision**



## **Appendix K – Site Condition Report**