

Non-Technical Summary

Tarbert Limited (the 'Operator') have commissioned PDE Consulting Limited (the 'Agent') to prepare and submit to the Environment Agency an Environmental Permit application for the recovery of waste at Titan Works in Grays, Essex (the 'Site').

The Site covers an area of some 14 hectares. The Site is bound to the north by allotment gardens and then housing, to the east by houses off Wallace Road and Cromwell Road, to the South by commercial premises and to the west by Hogg Lane and then Badgers Dene housing estate.

Titan Works is currently occupied by Industrial Chemicals Limited (ICL) where they have manufactured a range of chemical products since 1976. The company is to move its operations to the former West Thurrock power station site which ICL have owned since 1999.

It is proposed that when the works have been fully decommissioned, the site is restored to existing, surrounding ground levels with some 1.8 Mm³ of inert wastes to facilitate the development of a housing scheme.

Prior approval of a Waste Recovery Plan (WRP) was obtained from the Environment Agency (EA) before the submission of this application. The approved WRP is presented in Appendix 6 and confirmation of EA approval is presented in Appendix 7. There have been no changes to the WRP since it was approved.

It is proposed that an attenuation layer is installed across the base and side walls of the Site. Hydrogeological, stability and environmental risk assessments have been produced to support this application. Monitoring boreholes have been installed and ground gas and groundwater monitoring undertaken to establish baseline conditions prior to permit issue.

The local geology comprises Cretaceous Chalk which is a Principal Aquifer. The Site is not located in an Environment Agency designated Source Protection Zone (SPZ).

The Site is not located within an Air Quality Management Area.

Grays Thurrock Chalk Pit Site SSSI is located approximately 20m west of the Site.

Technically competent management and good operational procedures ensure that emission of dust and noise do not cause nuisance off site. The proposed wastes for recovery will not generate gas, leachate or odour.