

NON-TECHNICAL SUMMARY

To include: Provide a non-technical summary of your application. Write a summary that explains your application, in non-technical language as much as possible, avoiding technical terms, detailed data and scientific discussion. If necessary, you will be asked to provide more detailed answers on risk assessment and technical standards later in the application. This should include a summary of the regulated facility, a summary of the key technical standards and control measures arising from your risk assessment.

This Bespoke Environmental Permit application is for the recovery of wastes for construction and land restoration purposes. The site is the former brick clay quarry on the south side of Caernarfon in Gwynedd. The quarry is deep void in the side of Pen y bryn Hill with sides that drop steeply into the flooded sump. The Afon Seiont flows around two sides of the quarry, with an existing surface water drain discharging into the river.

The permit is required to allow the use of inert wastes as defined in the Landfill Directive Article 2(e), for engineering purposes to infill the hazardous, steeply-shelving quarry sump which is flooded with 12 metres of water; to backfill the quarry void; to place additional material to form shallower gradients to alleviate instability in the existing quarry slopes; and to restore the finished landform with soil so that vegetation can be established for amenity and nature conservation.

Calculations indicate that filling and re-engineering the quarry pool to the levels proposed in the application, and reshaping other parts of the site to achieve the planned (2016) restoration scheme, requires that a shortfall of some 260,000m³ of material will have to be made up with imported waste for recovery.

The operation is defined in accordance with Annex IIB of the Waste Framework Directive 2006/12/EC as a Recovery Operation '*R5 Recycling or reclamation of other inorganic materials*'.

The waste will be accepted on site once checked by the Site Operator and when accompanied by a Conveyance Note recording the source, description and confirmation that there is no contamination. Records of each load will be retained on site. A site diary will be maintained.

Processing works will consist of loose tipping of saturated materials to allow natural dewatering before reuse in quarry restoration. Emissions from the processing of the waste could potentially include water and dust. Due to the wet condition of the majority of the freshly dug material brought to the site, the risk of dust emission is low and dust will be contained within the bowl of the quarry. If necessary, dust will be controlled by wetting of surfaces exposed to moving vehicles and plant.