

Treatment Hub Swansea Non-Technical Summary.

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Treatment Hub Non-Technical Summary (NTS)

The Treatment Hub has been operational since 2014, at the former Alcoa Manufacturing (GB) Ltd manufacturing site at Westfield Industrial Park, Waunarlwydd, Swansea, SA5 4SF. Now owned by GBE (Westfield) Ltd. The Treatment Hub has operated under this permit since April 2014 acting as a regional specialist soils and waste treatment hub, primarily for the treatment and re-use of contaminated soils. The Treatment Hub currently operates under a bespoke Permit EPR/ZP3393NJ. The Permit allows the Treatment Hub to receive, treat and recycle predominated contaminated soils (17.05.03 and 17.05.04).

The Treatment Hub, in addition, has a number of other European Waste Codes listed on the Permit, on the basis that we have capability to treat these such that they could be disposed of more easily, or recycled for reuse elsewhere.

Permission is ought to expand the existing facility by moving into bigger premises and ultimately surrender the original Permit on the existing facility.

Under this new Permit we propose doing the same operations as under the existing Permit, ie E-Clay Stabilisation and bioremediation to produce soils which can be put to beneficial reuse at other construction sites or restoration material, both of which we have successfully done over the 5 years the Treatment Hub has been operational.

During this period, we have introduced a number of waste streams which we have demonstrated are beneficial to the existing treatment operations undertaken at the Treatment Hub, for instance using bottom ash as partial cement replacement. The extended EWC range presents all the waste stream we believe may be successfully recycled / utilised within the Treatment Hub. We only accept waste we can demonstrate we can recycle, and which do not create an unacceptable risk to the environment or staff at the facility.

The new facility occupies part of a larger building and will be suitably segregated.

All operations (as per existing Permit) will take place within a fully enclosed building.

However, the proposed new permit building does contain existing drainage, some of which needs to be maintained (rainwater discharge from roofs). A full photographic inventory of all apparatus has been made, together with proposals on how all possible pathways can be removed.

As per the existing Permit area, the new Permit area in the adjoining building has been previously used as a manufacturing facility (former Alcoa Works), see Site Condition Survey.

The site is not reported to lie within any SSSI and / or habitat areas and believed not above any aquifer see Operator Risk Appraisal assessment form.

The existing and proposed Permit areas are shown on the site location plan / drawings included with the Permit application.

Based on the plans the Environmental Risk Assessment has been included within the application applicable to those operations proposed at this location. The ERA includes

- No point source emissions (waster, gas, flue, etc)
- No adverse impact from noise (all activities in enclosed building, considerable distance from nearest receptors)
- No adverse impact from any dust emissions (all activities in enclosed building)

- No adverse impact from odours sources (all activities in enclosed building, highly odorous materials are not accepted)

However, in order that any potential accidents / incidents are addressed within the Environmental Management System (and Accident Management Plan).

The Environmental Management System describes both the operational and management techniques performed at the location supported by the following

- Waste types accepted (EWC) and (pre) acceptance procedures
- Site records and reporting forms / diary / etc.
- Accident reporting and management
- Emergency plans