

The Hub

Advanced material treatment, remediation and recycling technology

Permit Number: EPR/ZP3933NJ
Operator: The Treatment Hub Limited
Facility: Building 2, Westfield Industrial Park, Swansea. SA5 4SF
Form Number: Performance1
Date of form: 10/02/2016
Reporting of other performance indicators for the period **01/01/2016 to 31/12/2016**

The Treatment Hub is fundamentally a recycling centre permitted to accept hazardous and non-hazardous soil and waste streams with the view of recycling them and diverting the material from landfill in accordance with requirements of the Waste Hierarchy.

During the operational period The Treatment Hub, received 2,648tonne of non-hazardous waste from numerous sites.

During the operational period The Treatment Hub, 2,808tonne of treated material was exported from the Treatment Hub.

During the operational period The Treatment Hub, it is estimated that 5,000tonne of stored material was treated (physical / chemical) to achieve material suitable for reuse. Further physical treatment (screening) may be required to achieve specific specifications, generally material can only be treated once an identified receiver site has been identified. The adopted treatment regime needs to produce a material suitable for the intended end usage in accordance with the receiver sites requirements, therefore the required treatment can be highly variable.

The water usage is as anticipated and in light with requirements when similar remediation is undertaken on site.

Electricity is NOT used in process and the usage reflects general lighting / heating requirements, etc.

Raw material usage is as anticipated based on volume of soils treated and in accordance with requirements when similar remediation is undertaken on site. The main raw materials being cement and bentonite. On the basis that treatment is undertaken indoors (undercover) we have been able to significantly reduce the normal cement treatment requirements per tonne of soils treated. Only small amounts of other proprietary reagents are required to produce the required E-Clays utilised in the process.

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Parameter		Units
Water usage	410	Tonnes
Energy usage	3.6	MWh
Total raw material used	115	Tonnes
Waste sent for disposal	2808	Tonnes
Waste recovered	—	Tonnes

Operator's comments :

See attached summary report.

Signed
(Authorised to sign as representative of Operator)

Date.....20/02/16.....