

Attachment G

Resources Use & Energy Efficiency

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G.1 Raw Materials, Substances, Preparations and Energy

The only waste to be accepted at the facility for recovery comprises inert soils and stone, and inert construction and demolition waste. As such the material does not undergo any form of processing involving the use of chemicals or additives.

The potable water supply for the proposed temporary site office will be met by bottled water.

Water used for dust suppression, where possible, will be sourced from collection of surface water run-off and/or from an existing borehole on site. It should be noted that in Ireland rainfall occurs on a daily basis about 50% of the year. On days requiring dust suppression water usage would amount to 5 to 10 m³ per day.

The only raw materials used on site are diesel, hydraulic oil and engine oil which will be used to operate diesel powered plant on site.

The only raw materials used on site are diesel, hydraulic oil and engine oil which will be used to operate diesel powered plant on site. As only a single bulldozer is used on site to place and grade the inert fill material and a semi-mobile crushing unit served by a loading shovel used to produce secondary aggregates the quantities of fuel oil used on site are relatively small. Other plant on machine serving the sand and gravel pit includes a loading shovel, screening unit and on occasion a back-hoe excavator. The overall fuel use amounts to about 18,000 litres/annum). The mobile double skinned (integrated bunding) fuel bowser will have a capacity of c.1360 litres and will be refueled weekly.

G.2 Energy Efficiency

Electricity will be used on site to power the site office, on site lighting and security camera. Energy requirements are low equivalent to a small domestic property.

Energy efficiencies will be achieved by using modern plant and equipment and servicing the equipment on a scheduled basis. Plant and equipment not in use will be shut off.

Table G.1 Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site

Ref. N ^o or Code	Material/ Substance ⁽¹⁾	CAS Number	Danger ⁽²⁾ Category	Amount Stored (Litres)	Annual Usage (Litres)	Nature of Use	R ⁽³⁾ - Phrase	S ⁽³⁾ - Phrase
-	Fuel - Diesel	068334-30-5	-	1360	18,000	Plant & Machinery	R40 R51/53	S2 S36/37 S61

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- Notes: 1. In cases where a material comprises a number of distinct and available dangerous substances, please give details for each component substance.
2. c.f. Article 2(2) of SI N^o 77/94
3. c.f. Schedules 2 and 3 of SI N^o 77/94