

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.

An existing single phase underground electricity supply provides for lighting and heating of the office. An underground telephone line also serves the site office. Energy requirements are low equivalent to a small commercial property.

The water supply for the site office and wheelwash is met by an existing borehole on site. 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.

Plant on site will comprise a bulldozer, excavator and tractor. A loading shovel and crushing and screening plant will be utilised by the proposed C&D Recycling Facility. The loading shovel will also continue to serve the aggregate bagging facility. The overall fuel use will amount to about 30,000 litres/annum. The mobile double skinned (integrated bunding) fuel bowser will have a capacity of c.750 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 cameras. Energy requirements are low equivalent to a small commercial property. Energy awareness notices will be posted around the site to ensure employees are aware of the need to conserve energy.

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	64742-46-7	Dangerous for the environment	750	30,000	Plant & Machinery	R20 R38 R65 R51/53	S36/37 S61 S62

- 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

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