

1. RAW MATERIALS LIST

Product	Maximum Quantities Used Per Year and Maximum quantity stored at any one time	Fate of Raw Materials in the Facility (where will it be used)	Potential Environmental Impact
Diesel	80,000 litres for plant per year There will be a maximum of 1500 litres stored on site at any one time in a bunded tank.	Operation of vehicles on site	Toxic to animals and humans. Can have long term, persistent impacts if areas of land or water become contaminated following uncontrolled release. Also, direct physical impact on aquatic environment if lost to sewer, via exclusion of oxygen, and physical impacts by coating plants and animals. Diesel MSDS
Diesel	15,000 litres for the cooling equipment treatment plant per year. Diesel used within a generator to heat air for the PUR foam production. There will be a maximum of 1000 litres stored on site at any one time in a bunded tank.	Within the generator, next to the cooling equipment treatment plant.	As above
Hydraulic oils	3000 litres There will be a maximum of 100 litres stored on site at any one time.	Plant (2 grabs and 8 forklift trucks)	May have short term localised impacts if uncontrolled release, depending on nature of bespoke mix. See Gear Oil MSDS
Grease	100kg per annum There will be a maximum of 25kg stored on site at any one time.	Maintenance of site machinery	Can cause blockages to infrastructure leading to uncontrolled releases of substances to the environment. Grease MSDS

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Nitrogen	12.85m ³ /minute when the plant is in operation. The nitrogen is will be recycled and the use will be intermittent as required by the management system to maintain a safe working environment. The nitrogen is generated on site through a nitrogen generator – this is a compressor based technology to separate nitrogen for air.	Within the Stage 2 process of the shredder	The nitrogen is used to repress the oxygen within specific areas of the plant – this can have a significant impact on site staff as the oxygen level in the specific area will be below 21%.
Water for process	0.3kg/device. Approximately 30kg/hour when the plant is in operation.	Steam generation for the carbon bed	No identified impact.