

ATTACHMENT G
RESOURCES USE & ENERGY EFFICIENCY

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Attachment G.1 Raw Materials, Substances, Preparations and Energy

The principal resources that will be used at the facility will be electricity, water and natural gas.

Site equipment and all lighting and office equipment will be run off the main electric supply. Three-phase electricity will be utilised and metered at the site.

The utilities and housekeeping will consume mains water. The water mains supply will also be metered.

Diesel will be used as a fuel source for the site forklifts.

Table G.1 below is a list of other raw materials that will be stored and consumed on site during the carrying out of the activities of the Waste Transfer Station.

Table G.1: Raw material substances that will be used on site.

Material/Substance	Quantity Store on site	Annual Consumption
Pallets	30-50	200
Plastic IBC	60	200
Drums	40	100
Plastic Bags	200	400
Shrink Wrap	30 rolls	60 rolls
Industrial Cleaners	100 litres	200 litres
Fire Suppressants	To be determined	To be determined
Office Paper	500 kg	1,200 kg
Office Cardboard	100 kg	200 kg
Toner & print cartridges	10 kg	20 kg

Solid waste generated at the site will largely be restricted to office waste paper, cardboard and canteen waste. It is estimated that the quantity of this type of waste will not exceed 1.8 tonnes per annum. Approximately 85% of paper and cardboard waste will be recycled.

Attachment G.2 Energy Efficiency

As there will be no treatment process in operation at the site there will not be direct consumption of energy by the site's activities. The only electricity that will be used will be that to keep the site offices and store facilities lit up during operational hours. Gas heating will also be consumed in heating site accommodation. To ensure heat energy is used efficiently the offices will be properly insulated. Consideration will be given to the use of battery operated or liquid petroleum gas-powered vehicles on site.