

Acorn Bioenergy Operations Limited, Three Maids AD Plant, Raw Materials Inventory, March 2024

Raw Material	Form	Use	Storage arrangements	Maximum amount stored at any one time	Tonnage or volume used per annum (estimated)
Sulphuric acid	Liquid	Emissions abatement plant (CentriAir)	Within chemical store	3,000 litres	45,000 litres
Ferric hydroxide	Powder	Control of hydrogen sulphide in digesters	Within chemical store	2 tonnes	10 tonnes
Diesel	Liquid	Emergency generator	Bunded integral tank with locked valves	950 litres	2,000 litres
Diesel	Liquid	On-site vehicles	Bunded on-site store	3,000 litres	20,000 litres
Ad-Blue	Liquid	On-site vehicles	Bunded on-site store	1,000 litres	Vehicle dependent
Glycol	Liquid	Prevention of freezing in water filled equipment	Within chemical store	210 litres	Weather dependent
Fresh oil	Liquid	Combined heat and power engine (CHP) lubricant	Bunded tanks within containers	2,000 litres	20,000 litres
Anti-foam e.g. biodegradable oil	Liquid	Preventative anti-foam treatment	Within chemical store	1,000 litres	1,000 litres
Activated carbon	Solid	Biogas clean-up / abatement systems	Planned to be exchanged and taken off site simultaneously	N/A	50 tonnes
Natural gas	Gas	2 No CHPs + emergency boiler	Not applicable – used from grid	N/A	TBC