

Hazardous Materials Stored on Site

Raw Material	Nature and Composition of Material	Annual Consumption	Fate Product (P) Water (W) Sewer (S) Air (A) Waste/Land (L)	Environmental Impact	Suitable Alternative Available with Less Environmental Impact	Storage Provision	Secondary Containment or other mitigation/control	Planning application form section 23 characteristics
Urea	<ul style="list-style-type: none"> Solid Pellets 	615 Te	<ul style="list-style-type: none"> (A) – Estimate <1g/s release to air as total particulate (L) – Fraction in APC residue sent for disposal 	None - expected	None identified	50m ³ Silo	<ul style="list-style-type: none"> Silos have local dust filter Level alarms on silos 	<ul style="list-style-type: none"> N/A
Sodium Bicarbonate	<ul style="list-style-type: none"> Powdered 	3721 Te	<ul style="list-style-type: none"> (A) – Estimate <1g/s release to air as total particulate (L) – Fraction in APC residue sent for disposal 	None - expected	None identified	150m ³ Silo	<ul style="list-style-type: none"> Silos have local dust filter Level alarms on silos 	<ul style="list-style-type: none"> N/A
Activated Carbon	<ul style="list-style-type: none"> Solid powdered carbon 	181 Te	<ul style="list-style-type: none"> (A) – Estimate <1g/s release to air as total particulate (L) – Fraction in APC residue sent for disposal 	None - expected	None identified	80 m ³ silo	<ul style="list-style-type: none"> Silos have local dust filter Level alarms on silos 	<ul style="list-style-type: none"> N/A
Corrosion Inhibitor	<ul style="list-style-type: none"> Liquid for boiler water treatment 	200 kg	<ul style="list-style-type: none"> (P) – process water used for quenching ash which will then be recovered 	Insignificant	None identified	Small containers (<25L)	<ul style="list-style-type: none"> Kept in designated store with tray containment provided 	<ul style="list-style-type: none"> Toxic/reactive
Sodium Hydroxide	<ul style="list-style-type: none"> Liquid for demineralisation of water 	10 Te	<ul style="list-style-type: none"> (P) – process water used for quenching ash which will then be recovered 	Insignificant	None identified	5m ³ Tank	<ul style="list-style-type: none"> Bund 110% capacity of tank Spill kits available 	<ul style="list-style-type: none"> Toxic/reactive

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HCl	<ul style="list-style-type: none"> Liquid for demineralisation of water 	28 Te	<ul style="list-style-type: none"> (P) – process water used for quenching ash which will then be recovered 	Insignificant	None identified	3m ³ Tank	<ul style="list-style-type: none"> Bund 110% capacity of tank Spill kits available 	<ul style="list-style-type: none"> Toxic/reactive
Diesel	<ul style="list-style-type: none"> Auxiliary fuel 		<ul style="list-style-type: none"> (A) – release of combustion gases 	Impact on air quality not expected to be significant	None identified	30,000 litre storage tank	<ul style="list-style-type: none"> Bund 110% capacity of tank Level alarm Spill kits available Valves/pipes inside containment 	<ul style="list-style-type: none"> Flammable
Lubricants	<ul style="list-style-type: none"> Oils/greases for use in maintenance 	<5 Te	<ul style="list-style-type: none"> (P) – wastes will be sent for recovery 	insignificant	None identified	205L drums or smaller containers	<ul style="list-style-type: none"> Containment will be provided for drums & other containers Spill kits available 	<ul style="list-style-type: none"> N/A
Calibration Gases	<ul style="list-style-type: none"> CEMS calibration gases (eg H₂, SO₂, etc) 	<0.1 Te each Gas	<ul style="list-style-type: none"> (A) – small release to air during calibration of CEMS 	insignificant	None identified	20L gas cylinders	<ul style="list-style-type: none"> Prescribed storage cage 	<ul style="list-style-type: none"> Toxic/reactive but quantities so small as to be insignificant.