

Designation	Description	Location	Capacity	Bunding capacity of storage	Security Storage Conditions
<b>Raw Materials (RM)</b>					
RM1	MSW (Municipal Solid Waste)	MT - Reception Hall	Possible to store up to 4 days, using also BW area		Plant shall process the waste in a daily basis. Not advisable to store for longer periods, mainly because of odours control.
RM2	BW (Bulky Waste)	MT - Reception Hall	Acomulation not foreseen		NA
RM3	Manure	AD - Manure Reception	20 m <sup>3</sup>		Daily storage.
<b>Fuel (F)</b>					
F1	Biogas	AD - Gas Holder	1000 m <sup>3</sup>		NA
F2	Diesel	AD - Boiler (Auxiliary Heating)	2000 m <sup>3</sup>		Double wall tank
F3	Diesel	MT - Power Generator 1 (emergency)	180 l		bound within room
F4	Diesel	AD - Power Generator 1 (emergency)	390 l		bound within room
<b>Chemical Storage (C)</b>					
C1	Antifoaming Agent	AD - WWTP	1 m <sup>3</sup>		Room drainage to process water
C2	Antifoaming Agent	AD - Bow Sieve (dewatering building)	1 m <sup>3</sup>		Room drainage to process water
C3	Antifoaming Agent	AD - Aeration Tanks (digesters pit)	1 m <sup>3</sup>		bound assured by digesters pit
C4	Polymere (40% to 50%)	AD - Centrifuge (dewatering building)	2 x 1m <sup>3</sup>		Room drainage to process water
<b>Toxic Chemical Storage (TC)</b>					
TC1	Ferric Chlorid (40%)	AD - WWTP	30 m <sup>3</sup>		Double wall tank
TC2	Acetic Acid (80%)	AD - WWTP	30 m <sup>3</sup>		Double wall tank
TC3	Sulphuric Acid	MT - Biofilter scruber	1 m <sup>3</sup>	1,1 m <sup>3</sup>	Retention basin
TC4	Sulphuric Acid	AD - Biofilter scruber	1 m <sup>3</sup>	1,1 m <sup>3</sup>	Retention basin
TC5	Liquid Fertilizer	AD - Dessulphurization	1 m <sup>3</sup>		bound within room
TC6	Alcaline Solution	MT - Biofilter scruber	0,1 m <sup>3</sup>	0,11 m <sup>3</sup>	Retention basin
TC7	Alcaline Solution	AD - Biofilter scruber	0,1 m <sup>3</sup>	0,11 m <sup>3</sup>	Retention basin
<b>Ozone depleting substances and fluorinated greenhouse gases - equipment w/ fluid charge &gt;= 3kg (EQ)</b>					
EQ1	R410A	AD - Chiller Aeration Tanks	60,4 Kg		NA
EQ2	R407C	MT - Chiller Pulpers (3X)	3 x 8,3 kg		NA
EQ3	R407A	AD - Chiller Gas Cooling	8KG		NA
EQ4	R407A	MT - Administration Building VRF	6KG		NA
<b>Effluent discharge (E)</b>					
E1	Effluent WWTP	AD - WWTP-Sedimentation Tank	280 m <sup>3</sup>		NA
E2	Sewage Effluent	MT - Mechanical Pre-Treatment Hall	19 m <sup>3</sup>		NA
E3	Sewage Effluent	MT - Administration Building	74 m <sup>3</sup>		NA
E4	Sewage Effluent	AD - Operations Building	28 m <sup>3</sup>		NA

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<b>Sources for emissions to atmosphere (PS)</b>					
PS1	Exhaust	MT - Power Generator 1	Emergency generator. Puntual emission.		HC (Total Unburned Hydrocarbons) < 0,3 g/BHP·h Nox < 9,5 g/BHP·h CO < 2,86 g/BHP·h PM (Particulate Matter) : NA
PS2	Exhaust	AD - Power Generator 2	Emergency generator. Puntual emission.		HC (Total Unburned Hydrocarbons) < 0,13 g/BHP·h Nox < 6 g/BHP·h CO < 0,6 g/BHP·h PM (Particulate Matter) < 0,3 g/BHP·h
PS3	Exhaust / Flue	AD - Flare	Safty gas flaring device. Puntual emission.		CO < 50mg/m <sup>3</sup> Nox < 150mg/m <sup>3</sup> at 6 Vol.% O <sub>2</sub>
PS4	Exhaust	AD - CHP1	Generator. Continuous emission.		Nox < 500 mg/m <sup>3</sup> N at 5 Vol.% O <sub>2</sub> CO < 1.000 mg/m <sup>3</sup> N at 5 Vol.% O <sub>2</sub>
PS5	Exhaust	AD - CHP2	Generator. Continuous emission.		Nox < 500 mg/m <sup>3</sup> N at 5 Vol.% O <sub>2</sub> CO < 1.000 mg/m <sup>3</sup> N at 5 Vol.% O <sub>2</sub>
PS6	Exhaust	AD - Boiler	Plant Startup and puntual use.		Biogas: CO: max. 1000 mg/m <sup>3</sup> Nox: max. 150 mg/kWh CO <sub>2</sub> : max. 14 Vol.-% Diesel: Nox: max. 150mg/kWh CO <sub>2</sub> : max: 20 Vol.-% smoker number: 1
<b>Other details</b>					
OD1	Bales storage Area	MT - Outside Area	2980 m <sup>2</sup>		NA
OD2	Storage for chemicals	AD - storage for chemicals	For necessary stock		Bound within the room
OD3	Storage for chemicals	MT - storage for chemicals	For necessary stock		Bound within the room
OD4	Reservoir for fire fighting	MT - Outside Area	3000 m <sup>3</sup>		NA