

Table SDP-2: Generalized Construction Details -- Storage Units

Equipment Type	Number (Minimum)	Typical Size¹	Function	MOC²	Vents	Covers	Enclosure Area³	Protective Coatings
Storage Tanks	2	10,000 - 20,000 gallons	Brown Grease Storage	minimum 3/16 carbon steel	Fixed roof vented	No	A	Painted
Storage Tanks	14	10,000 gallons	Wastewater or sludge holding	minimum 3/16 carbon steel	Fixed roof vented	No	A	Painted
Storage Tanks	3	18,000-20,000 gallons	Offloading/Wastewater/sludge holding	minimum 3/16 carbon steel	Fixed roof vented	No	A	Ceramic
Storage Tanks	3	6,000-9,000 gallons	Wastewater or sludge holding	minimum 3/16 carbon steel	Fixed roof vented	No	A	Painted
Storage Tanks	1	10000 gallons	Bar Screen Offload Tank	minimum 3/16 carbon steel	Fixed roof vented	Indoors	B	Painted

Notes:

1. Size indicated is for each unit unless indicated "Total".
2. Primary Material of Construction.
3. See Facility Map for Enclosure Area.

Table SDP-3: Generalized Construction Details -- Processing Units

Equipment Type	Number (Minimum)	Typical Size¹	Function	MOC²	Vents	Covers	Enclosure Area³	Protective Coatings
Processing Tanks	3	15,000 gallons	Grease Trap Treatment	minimum 3/16 carbon steel	Fixed roof vented	Indoors	B	Painted
Dissolved Air Flotation	1	6' x 4' x 4' deep	Grit Trap Treatment	Stainless Steel	NA	No	A	No
Dissolved Air Flotation	1	20' x 5' x 5' deep	Grease Trap Treatment	Stainless Steel	NA	Indoors	B	No
Vibrating Screens	1	Up to 5 hp	Grease Trap Treatment	Stainless Steel	NA	Indoors	B	No
Settling Pits	2	10,000 gallons	Grit Trap Treatment	Concrete	NA	No	C	No
Grit Processing AST	1	20,300 gallons	Grit Trap Treatment	minimum 3/16 carbon steel	Fixed roof vented	No	D	Painted
Grit Processing AST	1	12,000 gallons	Grit Trap Treatment	minimum 3/16 carbon steel	Fixed roof vented	No	A	Painted
Grit Processing AST	1	8,200 gallons	Grit Trap Treatment	minimum 3/16 carbon steel	Fixed roof vented	No	E	Painted
Filter Press	1	4' x4' plates 100 c.f.	Dewatering	NA	NA	Roofed stand	A	No
Lime Slurry Tank	1	8,000 gallons	Chemical Storage	minimum 3/16 carbon steel	Fixed roof vented	No	A	Painted
Effluent Tank	1	5' x 4' x 4' deep	Grit Trap Effluent Holding	minimum 3/16 carbon steel	Open	No	A	None
Grinder Pump	1 (Proposed)	Up to 350 gpm	Preliminary Waste Processing	minimum carbon steel	NA	No	A	No

Notes:

1. Size indicated is for each unit unless indicated "Total".
2. Primary Material of Construction.
3. See Facility Map for Enclosure Area.

Table SDP-4: Generalized Construction Details -- Ancillary Equipment

Equipment Type	Number (Minimum)	Typical Size ¹	Function	MOC ²	Covers
Diaphragm Pumps	3	1/2", 1 gph	Odor Control	Aluminum and steel	No
Atomizing Nozzle	1	0.5"	Odor Control	NA	No
Misting Fan	2	1/3 hp	Odor Control	NA	No
Vacuum Tank	1	3000 gallons	Various	minimum 3/16 carbon steel	No
Poly Tanks	2	550 gallons	Transfer	Polycarbonate	Indoors
Squirrel Cage Fan	1	5'dia./ 30 hp	Odor Control Scrubber	Stainless	Indoors
Chemical Diaphragm Pump	6	½"	Scrubber, Process Chemical and Boiler Chemical Feed	Thermoplastic and stainless	Indoors
Centrifugal Pump	2	2.5 hp	Scrubber Recirculation Pump	Minimum Gray Iron	No
Front loader Tractor	1	2 cu yd bucket	Material Handling	NA	No
Forklift	1	3700 Lbs.	Materials Lifting	NA	Indoors
Air Compressor	1	50hp minimum	Facility Main Air Supply	NA	Outdoors/Encased
Steam Boiler	1	350 hp/ 150 PSI	In Tank Material Heating	NA	Indoors
Water Softener System	1	14 gpm	Boiler Feed Water System	NA	Indoors
Diaphragm Pump	3	3"	Press Sludge Feed/ Precoat/ Sludge Conditioning and Transferring	Aluminum and steel	Indoors and Outdoors
Diaphragm Pump	3	2"	Water Effluent/Sumps	Aluminum and steel	Indoors and Outdoors
Pre-Coat/Acid Wash Tank	1	1200 Gallon	Filter Press Pre-Coat and Acid Wash	minimum 3/16 carbon steel	No
Mixer with blade prop	1	3/4 hp	Sludge Conditioning	NA	No
Centrifugal Pump	2	10 hp	Material Transfer Pump	Minimum Gray Iron	Indoors and Outdoors
Centrifugal Pump	1	25 hp	Material Transfer Pump	Minimum Gray Iron	Indoors and Outdoors
Vacuum Equipment	1	30 hp	Offload/ Material Transfer Vacuum Pump	NA	No
Screw Auger	1	15 foot	Solids conveyance – screens/centrifuges to roll off box	Stainless	Indoors
Diaphragm Pump	3	1" to 1 ½"	Lime Feed to pH Mix Tank	NA	No
Mixer	1	0.25 hp	Lime Tank mixer for pH Mix Tank	NA	No
Polyblend Unit	2	60 gph	Polymer Feed for pH Mix Tank	Thermoplastic and stainless	Indoors
Centrifugal Pump	3	3-5 hp	Material Transfer Pump	Minimum Gray Iron	Indoors and Outdoors
Sump pump	3	125 gpm	Pit Drain Pump	NA	Indoors and Outdoors
Flow meter – Grit Trap Process Discharge	1	Transit Time	Discharge Flow Measurement	NA	No
Flow meter – Grease Trap Process Discharge	1	Doppler	Discharge Flow Measurement	NA	No
Pressure Washer	1	Portable	Cold Water Wash Down Unit	NA	Indoors

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2. Primary Material of Construction.