

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

Equipment Type	Number (Minimum)	Typical Size¹	Function	MOC²	Vents	Covers	Enclosures
Oil Recycle Tank	2	17,000 gal	Oil Storage	Welded Steel	Yes	Fixed Roof	Oil Storage Area
Grease Recycle Tank	1	17,000 gal	Grease Storage	Welded Steel	Yes	Fixed Roof	Grease Tank Storage Area
Diesel Storage Tank	1	500 gal	Diesel Storage	Welded Steel	Yes	Fixed Roof	Self Contained (96"x74"x18" high)
Truck Washwater Tank	2	2,100 gal	Truck Washwater Storage	Welded Steel	Yes	Fixed Roof	General Process Area
Sulfuric Acid Tank	1	6000 gal	Sulfuric Acid Storage	Plastic	Yes	Fixed Roof	Oil Storage Area
Lime Slurry Tank	1	12,600 gal	Lime Slurry Storage	Welded Steel	Yes	Fixed Roof	General Process Area
Ferric Additive Tank	1	6000 gal	Ferric storage	Plastic	Yes	Fixed Roof	Oil Storage Area

Notes:

1. Size indicated is for each unit unless indicated "Total".
2. Primary Material of Construction.

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

Equipment Type	Number (Minimum)	Typical Size¹	Function	MOC²	Vents	Covers	Enclosures	Protective Coatings
Grease Trap Unloading Basin	1	17,000 gal	Receiving grease trap wastes	Reinforced concrete	Open	No	General Process Area	none
Grit Trap Unloading Basin	1	18,000 gal	Receiving grit trap wastes	Reinforced concrete	Open	No	General Process Area	none
Non-hazardous Industrial Unloading Basin	3	12,500 gal ea	Receiving non-hazardous industrial wastes	Reinforced concrete	Open	No	General Process Area	none
Class I Solidification Pit	1	10,000 gal	Waste Solidification	Reinforced concrete	Open	No	General Process Area	none
Class II Solidification Pit	1	60,000 gal	Waste Solidification	Reinforced concrete	Open	No	General Process Area	none
Grit Sump	1	5,000 gal	Grit waste processing	Reinforced concrete	Open	Indoors	Process Building B	none
Industrial Sump	1	5,000 gal	Industrial waste processing	Reinforced concrete	Open	Indoors	Process Building B	none
Grease Trap Shakers (Vibrating Screen)	1	Minimum 60"	Grease waste processing	Welded Steel/stainless	Open	Indoors	Process Building C	Painted
Grit Trap Shaker (Vibrating Screen)	1	Minimum 48"	Grit waste processing	Welded Steel	Open	Indoors	Process Building B	Painted
Industrial Shaker (Vibrating Screen)	1	Minimum 48"	Industrial waste processing	Welded Steel	Open	Indoors	Process Building B	Painted
Feed Tanks (In Building B)	3	12,700 gal	Holding for Wastewater or Thickener tank	Welded Steel	Vented	Fixed Roof	Process Building B	Painted
Industrial/ septic/ grit waste water processing	2	17,000 gal	Holding for wastewater processing	Welded Steel	Vented	Fixed Roof	Oil Storage Area	Painted
Oil Separation/Storage Tanks	8	17,000 gal	Oily waste processing	Welded Steel	Vented	Fixed Roof	Oil Storage Area	Painted
Grease Separation/Storage Tanks	2	12,700 gal	Grease waste processing	Welded Steel	Vented	Fixed Roof	Grease Tank Storage Area	Painted
Grease Separation/Storage Tanks	10	17,000 - 20,000 gal	Grease waste processing	Welded Steel	Vented	Fixed Roof	Grease Tank Storage Area	Painted
Grease Trap Pressure Tanks	2	4,000 gal	Vacuum tanks for pulling down grease pit	Welded Steel	Vented	Fixed Roof	General Process Area	Painted
Sludge Conditioning Tank	1	13,500 gal	Sludge Conditioning	Welded Steel	Open	Indoors	Process Building B	Painted

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

Equipment Type	Number (Minimum)	Typical Size ¹	Function	MOC ²	Vents	Covers	Enclosures	Protective Coatings
Plate and Frame Filter Press	2	30 cu. ft. ea.	Sludge Dewatering	Welded Steel	Open	Indoors	Process Building B	Painted
Scrubber ³	1	5,200 gal	Scrubber for odor control	Welded Steel	Vented	Fixed Roof	Grease Tank Storage Area	Painted
Low pH Tank	1	2,500 gal	Wastewater Processing	Welded Steel	Open	Indoors	Process Building B	Painted
High pH Tank	1	2,500 gal	Wastewater Processing	Welded Steel	Open	Indoors	Process Building B	Painted
Flocculation Tank ⁴	1	2,500 gal	Wastewater Processing	Welded Steel	Open	Indoors	Process Building B	Painted
Clarifier Tank	1	11,000 gal	Wastewater Processing	Welded Steel	Open	Indoors	Process Building B	Painted
Settling Marsh	1	108,000 gal	Wastewater Processing	Reinforced Concrete with HDPE Liner	Open	No	Minimum 6" freeboard maintained	80 mil liner/ concrete construction
Aeration Basin ⁵ (for bio system)	1	Minimum 171,000 gal	Wastewater Processing	Minimum Carbon Steel Bolted Tank	Open	No	Biotreatment Area	Epoxy coating
Equalization Tank ⁵ (for bio system)	1	Minimum 450,000 gal	Wastewater Equalization	Minimum Glasslined Bolted Steel	Open	No	Biotreatment Area	Painted
Dissolved Air Flotation Unit ⁵ (for bio system)	1	Minimum 250 gpm	Wastewater Processing	Minimum Bolted steel	Vented	Fixed Roof	Biotreatment Area	Painted

Notes:

1. Size indicated is for each unit unless indicated "Total".
2. Primary Material of Construction.
3. Currently inactive, to be removed from site.
4. Includes Flash Mix partition.
5. Permitted unit/equipment not yet installed. Containment to be designed.

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

Equipment Type	Number (Minimum)	Typical Size¹	Function	MOC²	Protective Coatings
Portable Air-Operated Diaphragm Pumps	26	2" and 3"	Transfer of liquids	Steel/Aluminum/ polypropylene	Painted
Stationary Electrically-Operated Centrifugal Transfer Pumps	9	320-500 gpm	Transfer of liquids	Cast Iron	Painted
Electrically-Operated Diaphragm Pumps	6	50 gpd	Chemical Feed -- Wastewater Treatment	plastic	None
Electrically-Operated Centrifugal Vacuum Pumps	2	3"	Pulling vacuum on grease pressure tanks	Steel	Painted
High Pressure Hydraulic Pumps	4	4,000 lb	Filter Press Feed Pumps	Stainless Steel	Painted
Sellers steam boiler	1	150 hp	Steam generation	welded steel	Painted
Electric Air Compressor	1	60+ Hp	Process air for plant	Steel/Aluminum	Painted
Anoxkaldnes KI Media or equal ³	Minimum 23,000 sq. ft.	250 gpm	Aeration Media	Polyethylene	None
Positive Displacement Blowers ³	3	1,700 scfm	Aeration Blowers	steel	Painted
Centrifugal Pumps ³	3	125 gpm	Aeration Feed Pump	Cast Iron	Painted
Coarse Bubble Grid ³	1	3,500 scfm	Coarse Bubble Aeration Grid	Stainless Steel	Painted
Bobcat/Forklift Loader	1	99 hp	Mixing solidification pit	Steel	Painted

Notes:

1. Size indicated is for each unit unless indicated "Total".
2. Primary Material of Construction.
3. Permitted unit/equipment not yet installed.