

Appendix 4-3. Summary of Solids HVAC Equipment

Building	Tag	Description	Service	CFM	Cooling Capacity	Heating Capacity	Age	Replacement Capital Cost	Near Term (<5 years)	5-10 Years	10-15 years	Notes	
Chemical Handling Building (CHB)	CHB-AHU01	Air Handling Unit	Chemical Handling	7600	N/A	810,000 MBH	8 Years				X		
	CHB-AHU02	Air Handling Unit	Electrical Room	600	28.1 MBH	N/A	8 Years				X		
	CHB-ACC02	Condensing Unit	CHB-AHU02	-	30 MBH	-	8 Years			X			
Digester Control Building (DIG)	DIG-AHU01	Air Handling Unit (Roof-mounted)	Gas Processing Room	8000	N/A	717 MBH	8 Years				X		
	DIG-AHU02	Air Handling Unit	Boiler Room	14000	N/A		8 years				X		
	DIG-AHU03	Air Handling Unit	Boiler Room	14000	N/A		8 years				X		
	DIG-AHU04	Air Handling Unit	Boiler Room	19400	N/A		8 Years				X		
	DIG-AHU05	Air Handling Unit	Electrical Room	6600	172 MBH	N/A	8 Years				X		
	DIG-ACCU01	Condensing Unit	DIG-AHU05	-	172 MBH	-	8 Years			X			
	DIG-EF01	Exhaust Fan (Roof-Mounted)	Gas Processing Room	8800	-	-	8 Years					X	
	DIG-EF02	Exhaust Fan (Roof-Mounted)	Boiler Room	4800	-	-	8 Years					X	
	DIG-EF03	Exhaust Fan (Roof-Mounted)	Boiler Room	10900	-	-	8 Years					X	
	DIG-EF04	Exhaust Fan (Roof-Mounted)	Boiler Room	10900	-	-	8 Years					X	
	DIG-EF05	Exhaust Fan (Roof-Mounted)	Boiler Room	10900	-	-	8 Years					X	
	DIG-EF06	Exhaust Fan (Roof-Mounted)	Mechanical Room	2200	-	-	8 Years					X	
	DIG-EF07	Exhaust Fan (Roof-Mounted)	Heat Exchanger	500	-	-	8 Years					X	
	DIG-EF08	Exhaust Fan (Roof-Mounted)	Heat Exchanger	3000	-	-	8 Years					X	
	DIG-EF09	Exhaust Fan (Roof-Mounted)	Heat Exchanger	3000	-	-	8 Years					X	
	DIG-EF10	Exhaust Fan (Roof-Mounted)	Pump Room	14000	-	-	8 Years					X	
	DIG-EF11	Exhaust Fan (Sidewall)	Toilet Room	100	-	-	8 Years					X	
	DIG-HWP01	Pump	Heating Water System	415 GPM	-	-	8 Years					X	
DIG-HWP02	Pump	Heating Water System	415 GPM	-	-	8 Years					X		

Building	Tag	Description	Service	CFM	Cooling Capacity	Heating Capacity	Age	Replacement Capital Cost	Near Term (<5 years)	5-10 Years	10-15 years	Notes
Final Stabilization Facility (FSF)	FSF-AHU301	Rooftop Unit	Administration	3000	90 MBH	140 MBH	3 Years				X	
	FSF-AHU302	Air Handling Unit	Laboratory	420	24 MBH	2.4 MBH	18 Years			X		
	FSF-AHU303	Rooftop Unit	Electrical Room	3200	120 MBH	68 MBH	3 Years				X	
	FSF-ACC301	Condensing Unit	FSF-AHU302	-	24 MBH	-	4 Years				X	
	FSF-MAU101	Makeup Air Unit		18629	N/A	1596 MBH	18 Years			X		
	FSF-EF301	Exhaust Fan (Roof-Mounted)	Toilet Room	150	-	-	18 Years			X		
	FSF-EF302	Exhaust Fan (Roof-Mounted)	Toilet Room	300	-	-	18 Years			X		
	FSF-EF303	Exhaust Fan (Roof-Mounted)	Kitchen	50	-	-	18 Years			X		
	FSF-EF304	Exhaust Fan (Roof-Mounted)	Mechanical Room	968	-	-	18 Years			X		
	FSF-EF305	Exhaust Fan (Roof-Mounted)	Laboratory	100	-	-	18 Years			X		
	FSF-EF306	Exhaust Fan (Roof-Mounted)	Laboratory	650	-	-	18 Years			X		
FSF-EF307	Exhaust Fan (Roof-Mounted)	Chemical	250	-	-	18 Years			X			
Thickening and Dewatering Building (TDB)	TDB-MAU1	Makeup Air Unit	Thickening and Dewatering Facility	28000	N/A	3024 MBH	20 Years	\$ 160,000	X			Requires ongoing maintenance and leads to a buildup of carbon monoxide in winter.
	TDB-MAU2	Makeup Air Unit	Thickening and Dewatering Facility	22000	N/A	2200 MBH	20 Years	\$ 140,000	X			Requires ongoing maintenance and leads to a buildup of carbon monoxide in winter.
	TDB-ACU1	Rooftop Unit	Offices	600	18 MBH	50 MBH				X		
	TDB-EF1	Exhaust Fan	Thickening and Dewatering Facility	15900	-	-	20 Years			X		
	TDB-EF2	Exhaust Fan	Thickening and Dewatering Facility	15900	-	-	20 Years			X		
	TDB-EF5	Exhaust Fan	Toilet Rooms	270	-	-	20 Years			X		
	TDB-EF6	Exhaust Fan	Blower Room	5000	-	-	20 Years			X		
	TDB-EF7	Exhaust Fan	Electrical Room	1400	-	-	20 Years			X		

Building	Tag	Description	Service	CFM	Cooling Capacity	Heating Capacity	Age	Replacement Capital Cost	Near Term (<5 years)	5-10 Years	10-15 years	Notes	
Gravity Thickener Odor Control Building (GTO)	GTO-AHU01	Makeup Air Unit	Odor Control Building	2200	N/A	215 MBH	8 Years	\$ 55,000	X				
	GTO-FAN01	Exhaust Fan	Odor Control Building	2200	-	-	8 Years				X	Good condition, minimal maintenance	
Gravity Thickener Building (GTH)	GTH-AHU01	Makeup Air Unit	Electrical Room	1000	40.1 MBH	N/A	8 Years				X		
	GTH-AHU02	Makeup Air Unit	Splitter Box Room	1200	N/A	110 MBH	8 Years			X			
	GTH-AHU03	Makeup Air Unit	Gravity Thickening Tank 1 & 2	7200	N/A	700 MBH	8 Years	\$ 125,000	X			Replacing with two separate units, one for each GT	
	GTH-AHU04	Makeup Air Unit	Gravity Thickening Tank 3 & 4	7200	N/A	700 MBH	8 Years	\$ 125,000	X			Replacing with two separate units, one for each GT	
	GTH-AHU05	Air Handling Unit	Tunnels	9000	N/A	855 MBH	8 Years					X	
	GTH-ACC01	Condensing Unit	GTH-AHU01	-	60 MBH	-					X		
Sludge Loadout Building (LOB)	LOB-EF01	Exhaust Fan	Toilet Room	80	-	-	35 Years			X			
	LOB-EF04	Exhaust Fan	Odor Control Room	770	-	-	35 Years			X			
	LOB-EF06	Exhaust Fan	Loadout Room	2195	-	-	35 Years			X			
	LOB-EF07	Exhaust Fan	Loadout Room	2195	-	-	35 Years			X			
	LOB-UH01	Radiant Heater	Loadout Room	-	-	-	10 Years					X	
	LOB-UH02	Radiant Heater	Loadout Room	-	-	-	10 Years					X	
	LOB-UH03	Radiant Heater	Loadout Room	-	-	-	10 Years					X	
	LOB-UH04	Radiant Heater	Loadout Room	-	-	-	10 Years					X	