

ENTERED

Sparton Technology Inc, CW-1 Operation and Maintenance Log

MONTH: NOV		AIR STRIPPERS								AQUA-MAG			MOTORS		P2-G H ₂ O Level (ft)	Tech Initials
YEAR: 17		System Status: On/Off	Stripper Alarms	Blower Pressure (HrD)	PRV Inlet Pressure (psi)	PRV Outlet Pressure (psi)	Water Meter Accumulation	Pump Rate (sec/100gal)	Discharge Rate (min/in)	Chemical Tank Volume (gal)	Consumption (gal/day)	Stock (barrels)	Blower Motor Temperature °	Discharge Motor Temperature °		
11-17	3:31	ON	NO	25.0	35.0	17.5	12,838,782	304.2	1/3 inch	399	25.5	7 1/32	102.1	134.9 ^R	23.0	C.C.
11-17	2:30	ON	NO	24.0	35.0	17.5	15,025,063	304.0	3/4 inch	281	23.6	7 1/32	103.8	136.5 ^R		C.C.
11-17	3:40	ON	NO	24.5	35.5	17.5	18,108,781	303.2	3/4 inch	136	20.71	7 1/32	103.4	119.5 ^{NR}		C.C.
11-27	3:00	ON	NO	25.0	35.5	18.0	24,219,941	303.7	3/4 inch	166	21.84	6 2/3	96.8	120.1 ^{NR}		C.C.
12-1-17	7:00	ON	NO	25.0	35.5	18.5	25,820,631	303.0	3/4 inch	409	20.5	6 1/5	89.6	118.7 ^R	22.99	CC

Discharge = 6000 / (Sec/100gal) = gpm

(Gallons between reading * 24 Hours) / (Hours between readings) = Chemical Consumption = 20 gallons/day

(Gallons needed to fill tank * 7.6 gallon Aqua Mag) / (100 gallon solution) = Gallons of Aqua Mag needed

Collected Samples		
Type	Date	Time
Monthly Metals		

ALARMS	
A-1	High Sump
A-2	Air Stripper High Sump
A-3	Gallery High
A-4	Pump Off
A-5	Blower Pressure Low

Aqua Mag Top Off			
Date	Time	Gallons of A-M	Inches of A-M
11-14-17	7:30	24.93	14.50
11-29-17	7:30	24.39	14.19

1 inch = 1.71875 gallons of Aqua Mag

Sparton Technology Inc, CW-2 Operation and Maintenance Log

MONTH: NOV
YEAR: 17

Date	Time	AIR STRIPPERS							INFILTRATION			AQUA-MAG			MOTORS		Tach Initials	
		System Status: On/Off	Stripper Alarms	Blower Pressure (HzO)	PRV Inlet Pressure (psi)	PRV Outlet Pressure (psi)	Water Meter Accumulation	Pump Flow Rate (gpm)	Discharge Rate (min/in)	Chromium Tank Flow Rate (gpm)	Pond #2 Accumulation	Pond #3 Accumulation	Chemical Tank Volume (gal)	Consumption (gal/day)	Stock barrels	Blower Motor Temperature °F		Discharge Motor Temperature °F
11-1-17	2:50	ON	NO	25.5	15.5	12.5	17,464,072	43.125	1/3 inch	27.65	16,862,012	207,108	336	14.00	2 1/32	92.7	113.3 ^{NR}	C.C.
11-6-17	8:55	ON	NO	26.0	15.5	13.0	17,759,955	43.125	1/3 inch	27.17	17,146,994	207,108	280	11.2	2 3/32	84.6	107.6 ^{NR}	CL
11-8-17	7:24	ON	NO	25.0	16.0	13.5	18,183,581	41.25	1/2 inch	27.05	17,555,439	207,108	196	12.0	2 3/32	90.7	107.4 ^{NR}	CL
11-13-17	9:02	ON	NO	25.5	16.0	13.5	18,187,198	41.25	1/3 inch	27.05	18,187,220	207,108	196	12.0	2 3/32	88.0	94.0	C.C.
11-20-17	9:40	ON	NO	25.5	14.0	12.5	18,603,070	41.25	1/2 inch	27.05	18,975,044	207,108	117	11.28	2 1/32	84.6	100.4 ^{NR}	C.C.
11-27-17	12:10	ON	NO	25.0	17.5	12.5	19,027,912	41.25	1/3 inch	27.17	18,401,501	207,108	366	12.00	1 3/4	92.9	100.2 ^{NR}	CL
12-1-17	7:30	ON	NO	25.0	18.0	16.0	19,248,006	41.25	1/2 inch	27.25	18,623,693	207,108	319	11.75	1 3/4	93.6	107.4 ^{NR}	CL

Discharge = Accumulation Difference * 60 / 32 = gpm

(Gallons between readings * 24 Hours) / (Hours between readings) = Chemical Consumption = 10 gallons/day

(Gallons needed to fill tank * 4.1 gallon Aqua Mag) / (100 gallon solution) = Gallons of Aqua Mag needed

Chromium Tank Exchange		
Date	Time	Left/Right
11-3-17	9:00	L

Aqua Mag Top Off		
Date	Time	Gallons/Inches of Aqua Mag
11-20-17	2:30	13.77 / 8.01

ALARMS	
A-1	Bldg/Well Pit/Aqua-Mag Sump
A-2	Air Stripper Sump
A-3	Pond #6
A-4	Pump Off
A-5	Blower Pressure Low

Influent Filter	
Date	Time
11-13-17	9:00

Collected Samples		
Type	Date	Time
Monthly Metals		
Chromium Exchange	11-3-17	9:00
Chromium Exchange		

1 inch = 1.71875 gallons of Aqua Mag

