

MONTHLY PROGRESS REPORT For month ending July 31st, 2016

CV-97-0206 (D.N.M) Albuquerque v. Sparton Technology, Inc.

08/10/16

Tasks Completed:

A. Groundwater Monitoring Plan

- Revisions were made to the RCRA Post-Closure Permit Renewal Application in response to comments received from NMED, and the revised application was resubmitted to the agency.
- Planned and Prepared for the 3rd Quarter Sampling Event
 - B. Public Involvement Plan
 - C. Deep Flow Zone System
 - D. Assessment of Aquifer Restoration
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- E. Offsite-Containment System
- The system ran 97.66% of the time and pumped 13,756,400 gallons (an average of 306.1 gpm). There was one outage:
 - \circ Due to an unknown reason from 7/19 to 7/20 for a total of 1,050 minutes.
- Collected the monthly influent and effluent samples, and measured the water level in the infiltration gallery.
- Filed the monthly discharge report with the Office of the State Engineer as required under Permit-RG-69659.

F. Source Containment System

- The system ran 99.96% of the time and pumped 2,221,300 gallons (an average of 49.3 gpm). There was one outage:
 - \circ For a chromium tank exchange on 7/18 for 18 minutes.
- Filed the monthly discharge report with the Office of the State Engineer as required under Permit-RG-73531.
- Collected the monthly influent and effluent samples from the treatment system.
- Operated the chromium removal unit during the entire month. Continued to route 70% (35 gpm) of the pumped water through the unit and blend it with the remainder



of the pumped water to meet the New Mexico Water Quality Control Commission (NMWQCC) chromium standard of 0.050 mg/L in the effluent discharged into the ponds.

- Replaced the first tank from the chromium removal unit on July 18th.
- Replaced the pretreatment filter for the Chromium Exchange tanks on July 5th and July 18th.
- Collected chromium samples of (a) the influent to the building; (b) the effluent from the second tank; and (c) the effluent from the air-stripper on tank exchange day; July 18th.

G. Other

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Tasks Planned:

- H. Groundwater Monitoring Plan
- Update RCRA Post-Closure Permit Renewal Application, addressing comments from the agencies, and resubmit for approval.
- The 3rd Quarter water level measurement will begin on August 1st.
- The 3rd Quarter Water Quality Sampling will begin on August 3rd.
 - I. Public Involvement Plan
 - J. Deep Flow Zone System
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- K. Assessment of Aquifer Restoration
- Review and analyses of monitoring data in preparation of the CY2016 annual report.

L. Offsite-Containment System

- The monthly influent and effluent samples will be collected, and the water level will be measured in the infiltration gallery piezometer.
- The monitoring system will continue to be repaired and upgraded.
- The required discharge report will be filed with the Office of the State Engineer.

M. Source Containment System

- The monthly influent and effluent samples will be collected.
- The required discharge report will be filed with the Office of the State Engineer; and
- Tank Exchange chromium sampling of (a) the influent; (b) the effluent from the second tank; and(c) the effluent from the air-stripper will continue.
- The first tank of the chromium removal unit will be replaced on August 8th and August 29th.
- The pretreatment filter will be replaced on August 1st, August 15th, and August 29th.



N. Other

O. Problems Encountered or Anticipated:

By:

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Dillon Cottingham, EI Engineering Technician for Sparton

Charles Easterling, PE Project Coordinator for Sparton.

Cc: Mr. Chuck Hendrickson (EPA: 214-665-7263) Mr. Dave Cobrain (NMED: 505-476-6030)



Dillon Cottingham 6100 Seagull Street NE Albuquerque, NM 87109

August 10th, 2016

Mr. Charles Palmer Office of State Engineer 5550 San Antonio Dr. NE Albuquerque, New Mexico Dist1.meterreadings@state.nm.us

PE: Permit RG-69659, RG-73531T

Below is the meter report for the month of July 2016. A total of 13,756,400 gallons were treated by the air stripper at CW-1 and discharged via underground pipeline to the infiltration Gallery located in the Calabacillas Arroyo. A total of 2,221,300 gallons were treated by the air stripper at CW-2 and discharged into rapid infiltration pond 2 located northwest of the CW-2 Stripper building.

	CW	/-1	CW	-2
Date	Meter Reading	Discharge	Meter Reading	Discharge
12/30/2015	375,487,900		46,645,600	
02/01/2016	389,780,400	14,292,500	48,748,400	2,102,800
03/01/2016	402,374,700	12,594,300	50,882,800	2,134,400
04/01/2016	415,508,400	13,133,700	53,194,700	2,311,900
05/02/2016	428,995,900	13,487,500	55,432,800	2,238,100
06/01/2016	441,568,400	12,572,500	57,622,900	2,190,100
07/01/2016	452,743,900	11,175,500	59,777,400	2,154,500
08/01/2016	466,500,300	13,756,400	61,998,700	2,221,300
Total		91,012,400		15,353,100

Thank You, Sincerely,

Dillon Cottingham, EI

cc: Charles M. Easterling, PE

	-1-														
YEAR:	Tollo					AIR	STRIPPERS					AQUA-MAC	3		
Date	Time	System Status: On/Off	Stripper Alarms	Blawer Pressure (H2O)		PRV Outlet Pressure (psi)	Water Meter Accumulation	Pump Rate (sec/100gai)	Pump Flow Rate (gpm)	Discherge Rate (min/in)	Chemical Tank Volumé (gai)	Consumption (gal/day)	Stock (barrels)	PZ-G H2O Level (It)	Tech Initials
254	10715	دره	NO	26.0	31.0	16. O	452,743,900	19.30	36.7	13/in	290	18.75	2/3	23.00	D
<u>5</u> +7	830	uo	NO	Z6.D	32,0	16.5	454,507,100	19.00	315.8	1/3 / in	225/450	16.25	2/3		P
11th	8.00	00	NO	26.0	30.0	15.0	457,210,300	19.19	312.7	1/s/in	840/450	18.33	1/3		To
14 th	J:00	on	NO	25.5	30.0	15.0	458,698,100	19.06	314.8	ha/in	400	16.66	/3		je_
18 ¹⁴	10:50	ou	NO	26,0	30.0	15,5	460, 413, 200	19.18	31.7	1s/in	335	16.25	10/3		10
2015	1220	00	σα	26.0	30.0	15.0	461,019,700	19.03	3/4.9	13/12	310	12.50	10/3		20
25 ^K	9:00	on	20	260	30.0	15.0	463,213,800	19.25	310.7	42/in	220/450	18.0	6/4		-p
28 th	2:00	00	øo	25.5	50,0	15.0	464,665,100	19.22	310.7	1/3/ in	390	20.0	6		D-
<u>15</u>	3:20	au	טע	25.5	30,0	15.0	466,500,300	19.19	312.7	1/3/in	315	18.75	6	22.95	P
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Sparton Technology Inc, CW-1 Operation and Maintenance Log

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

24

MONTH:

(Gallons between readings +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 Aqu Mag needed

Collecter	Samples	
Туре	Date	Time
Monthly Metals	<u>1</u> 54	10:30

ALARMS	
High Sump	
Air stripper High Sump	*****
Gallery High	
Pump Olf	
Blower Pressure Low	
	High Sump Air stripper High Sump Gallery High Pump Off

	Aqua Mag Top	
Date	Time	Gallons of A M
7/5/16	8:30	17.1
7/11/16	8:15	8.4
7/25/16	9:15	17.5

1 inch = 1.71875 gallons of Aqua Mag

Sparton Technology Inc, CW-1 Operation and Maintenance Log

	INITIALS	an	>											
2016	TES	System down, no dome, most likely due to laibell overhight												
YAL YEAR ZOND					 									
	TIME	10:02	-	 				 						
HINOW	DATE	702												

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Month: アゼ Year Zeila Year Zeila AIR STRIPPERS INFILTRATION AQUA-MAG	Stack byrrels	21/2	2.1/3	2 // 3	21/2	2/5	211/3	4/3	41/3	2/17		Second Table (The Control Manual Party of a second or and the control of			
	AQUA-M/	Consumption (Ral/day)	.0 9	7, S	10.8	13.3	8.75	1000 000 000 000 000 000 000 000 000 00	11.4	0.01	11.28				
		Chemical Tank Volume (gal)	450	420	355	315	280	280	500	170	105		nas sain an ann an Anna ann ann ann ann ann ann		
	2	Pond #3 Accumulation	21, 800, 800								00 Con Con				
	VFILTRATIO	Pand N2 Accumulation	36.50 R 534, 20 21, 800, 800	11.505.80	20,216,800	35.10 Low 8.200	20,707,900	20,716,300	21,198,600	0 021 921 17	11.165.760 .21 See Een 1/5				
	5	Chromium Yank Flow Rate (gpm)	36.50	36.50 11, 405,80	27.95 86.5 20,216,800	35.10	25.31		35.90	36.14	36.38	*****	a na mana a sha an		
		Pump Flow Rate Discharge Rate Chromium Tank (gpm) (min/in) Flow Rate (gpm)	1 × 1 ×	13 / 2	Va /	1/2 / 1-	1/2/	43/1	15/m	1/2 / in	14/2		AND CARLON COMPACTOR A LANCE COMPANY A LA REAL PORTE		
		Pump Flow Rate (gpm)	1.3		So.6	¥.S	<i>5</i> 1. 3	57.4	415	1502	ь <u>X</u>		a na sana ka sa a far fag na Marjan a sa sa na sana sa sa sa sa sa sa sa sa		
		Pump Rate (sec/S0gal)	59.7¥	58.94	59.25 50.6	61.91 K.S	58.47 51.3	58.25 57.4	60.66 425	59.857502	1 2X 1X 9	9	nn a dheanagan ach a caraon, muad i mur m miger		
	STRIPPERS	Water Meter Accumulation	9:20 00 13 24.0 38.5 28.5 57.377,400	7:10 0.2 NO 24.0 38.0 29.0 60.054,900	er NO 24.0 38.0 30.0 60,496,700	NO 25.5 85.0 25.0 60,712,500	NO 24.0 365 23,5 60,980,100	33.00 EH.C) 60 726 00	61, 479, 900	61, 712, 700	11 00 200				
	AIR	PRV Inlet PRV Outlet Pressure (psi) Pressure (psi)	28.52	29.0	30.0	25.0	23, S	0-22	32.0 24.0	1	2 2 2				
		PRV Inlet Pressure (psi)	38.5	38.0	38.0	85.0	K.S	33.0	3	1	22				
		Blower Pressure (H1O)	24.0	24.0	24.0	23.5	24.0	200	NO 24.0	24.0					
		Stripper Alarms	00	22	<u>०</u> २	20			02	28th 3:30 00 UD 240	Ę.				
 1		System Status: On/Off	00	20	л С	140 00	8:15 0.0	10:42 E.1)	20	い い い					
34		Time	9.20	7.30						3:30	2.0	1 1			
MONTH	YEAR:	Date	51	2 B	// 45	14/14	18 21	181	TS -	287	954				

Sparton Technology Inc, CW-2 Operation and Maintenance Log

Discharge=3000/(Sec/50gal)=gpm

Chromium Yank Exchange Date Time Left/Right 7/18/16 7:37 Raft Left

	Time	\$130 8130
	Collected Samples	18/
. altai	Collecte	Monthly Metals Chromium Exchange

(Gallons between readings +24 Hours)/(Hours between readings)=Chemical Cansumption =10 gallons/day

		_	
Aqua Mag Top Off	Gations of AM	14.76	
Aqua Ma	Time	9.25	
	Date	ない	

1 inch # 1.71875 gallons of Aqua Mag

Bidg/well Pit/Aque-Mag Sump Air stripper Sump Pond RG Pump Diff Blower Pressure Low

OAte	Dates Three and the second secon
7/5/16	8:00
7/18/16	9237

Sparton Technology Inc, CW-2 Operation and Maintenance Log

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