

MONTHLY PROGRESS REPORT
For month ending December 31st, 2017

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

01/10/2018

Tasks Completed:

- A. Groundwater Monitoring Plan
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- B. Public Involvement Plan
- A draft 2017 Fact Sheet, which summarized remedial activities during 2015 and 2016, was prepared and submitted to the agencies for their review and approval prior to distribution to those living (a) in the area currently underlain by contaminated groundwater and (b) along the pipeline route to the infiltration gallery.
- C. Deep Flow Zone System
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- D. Assessment of Aquifer Restoration
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- E. Offsite-Containment System
- The system ran 98.34% of the time and pumped 13,358,329 gallons (an average of 299.2 gpm). There was 1 outage:
 - o On 12/13 for 12 hours and 20 minutes due to the PNM meter failing for an unknown reason. PNM visited the site and replaced the meter on the 14th.- Collected the monthly influent and effluent samples, and measured the water level in the infiltration gallery piezometer.
- Filed the monthly discharge report with the Office of the State Engineer as required under Permit-RG-69659.
- The Aqua-Mag tank was replenished twice:
 - o On 12/8 with 15.3 gallons, and
 - o On 12/26 with 28.4 gallons.
- F. Source Containment System
- The system ran 99.96% of the time and pumped 1,707,902 gallons (an average of 38.3 gpm). There was 1 outage:
 - o On 12/11 for 19 minutes due to a Tank Exchange and Filter Change.



- 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.
- Continued to operate the chromium removal unit during the entire month and route 27 gpm of the pumped water through the unit and blended with the remainder of the pumped water to meet the New Mexico Water Quality Control Commission chromium standard of 0.050 mg/L in the effluent discharged into the ponds.
- Replaced the first tank of the chromium removal unit on December 11th. Following the modification of the tank exchange frequency to occur every four weeks, no exceedance of the NMWQS in the effluent from the air-stripper was observed.
- Replaced the pretreatment filter for the Chromium Exchange Tanks on December 11th.
- Prior to each Tank Exchange 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.
- The Aqua-Mag Tank was replenished once:
 - o On 12/8 with 8.9 gallons.

G. Other

- All field activities were performed by OEI personnel following standard operating procedures, including health and safety requirements, outlined in the Operation and Maintenance Manuals of the On-Site and Off-Site Containment Systems.

H. Problems Encountered or Anticipated:

- The flow rate of the source containment system has declined below the design rate of 50 gpm due to the deposition of iron and manganese in the containment well and along the pipeline that brings water from the well to the treatment building. It is anticipated that the flow rate will be restored after the planned cleaning of the well and the pipeline.

Tasks Planned:

I. Groundwater Monitoring Plan

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J. Public Involvement Plan

- Upon approval by the agencies, the 2017 Fact Sheet will be distributed to those living (a) in the area currently underlain by contaminated groundwater and (b) along the pipeline route to the infiltration gallery.

K. Deep Flow Zone System

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L. Assessment of Aquifer Restoration

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M. 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 required discharge report will be filed with the Office of the State Engineer.

N. 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 January 8th.
- The pretreatment filter will be replaced on January 8th.
- Rodgers and Company will be scheduled to cleanse the containment well and the influent lines of manganese and iron build up to return the system to the designed flow rate of 50 gpm on January 17th.

O. Other

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P. Problems Encountered or Anticipated:

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By:

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
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January 10th, 2017

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 December 2017. A total of 13,358,329 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 1,707,902 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.

Date	CW-1		CW-2	
	Meter Reading	Discharge	Meter Reading	Discharge
01/03/2017	530,292,100		73,153,900	
02/01/2017	543,089,000	12,796,900	75,242,800	2,088,900
02/13/2017	547,741,600	4,652,600	75,964,600	721,800
02/13/2017	0	New Meter	0	New Meter
03/01/2017	6,724,145	11,376,745	1,090,874	1,812,674
04/03/2017	21,099,188	14,375,043	3,405,652	2,314,778
05/01/2017	33,119,830	12,020,642	5,217,323	1,811,671
06/01/2017	46,666,168	13,546,338	7,356,491	2,139,168
07/01/2017	58,697,913	12,031,745	9,320,616	1,964,125
08/01/2017	72,242,397	13,544,484	11,415,960	2,095,344
09/01/2017	85,774,467	13,532,070	13,480,629	2,064,669
10/01/2017	98,944,064	13,169,597	15,461,362	1,980,733
11/01/2017	112,537,690	13,593,626	17,425,680	1,964,318
12/01/2017	125,659,701	13,122,011	19,227,447	1,801,767
01/01/2018	139,018,030	13,358,329	20,935,349	1,707,902
Total		156,467,530		23,746,049

Thank You,
 Sincerely,
 Dillon Cottingham, EI
 cc: Charles M. Easterling, PE