

MONTHLY PROGRESS REPORT
For month ending January 31st, 2018

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

02/10/2018

Tasks Completed:

A. Groundwater Monitoring Plan

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B. Public Involvement Plan

- The 2017 Fact Sheet on remedial activities during 2015 and 2016 was approved by the agencies on January 16 and was mailed to residents above the plume and along the pipeline to the gallery on January 23, 2018.

C. Deep Flow Zone System

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D. Assessment of Aquifer Restoration

- Commenced review and analysis of the monitoring data in preparation of the CY2017 Annual Report.

E. Offsite-Containment System

- The system ran 100.00% of the time and pumped 13,575,652 gallons (an average of 304.1 gpm). There were 0 outages.
- 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 1/9 with 23.63 gallons, and
 - o On 1/22 with 21.96 gallons.

F. Source Containment System

- The system ran 99.19% of the time and pumped 1,672,841 gallons (an average of 37.5 gpm). There were 8 outages:
 - o On 1/8 for 12 minutes due to a Tank Exchange and Filter Change,
 - o On 1/17 for 13 minutes and 307 minutes due to surging the well to return the system to designed flow,



- On 1/18 for 5 minutes due to a Filter Change,
- On 1/19, 4 times for a total of 24 minutes due to a Filter Change and a second surging attempt.
- 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 January 8th. 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 January 8th, 18th, and 19th.
- 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:
 - On 1/2 with 12.09 gallons, and
 - On 1/29 with 13.36 gallons.

G. Other

- Prepared the 2017 Annual Monitoring Report for Discharge Permit DP-1184 and transmitted to the New Mexico Environmental Department (NMED) on January 30th.
- 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 an unknown reason at this point in the investigation. On January 17th Rodgers and Co. cleaned the two pipelines transmitting groundwater from CW-2 by acid treating and surging. Cleaning of the pipelines did not bring the system back to design flow rate and further investigation will need to be done.

Tasks Planned:

I. Groundwater Monitoring Plan

- The 1Q2018 Ground Water Sampling Event will begin on February 1st. All wells will be measured on the 1st and 2nd of February and sampling of the identified wells will begin on Monday the 5th.



J. Public Involvement Plan

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K. Deep Flow Zone System

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L. Assessment of Aquifer Restoration

- Work on data evaluation for the preparation of the 2017 Annual Report will continue.

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 February 5th.
- The pretreatment filter will be replaced on February 5th.
- Rodgers and Co. will remove and test the CW-2 pump to determine if it is still viable or if the pump should be replaced. Rodgers and Co. will also be cleaning the CW-2 well casing and screen by acid treating, brushing, and surging. After this task is completed, Rodgers and Co. will lower a video camera down the well to determine whether the cleaning has been effective.

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
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February 10th, 2018

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 January 2018. A total of 13,575,652 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 1,672,841 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
01/01/2018	139,018,030		20,935,349	
02/01/2018	152,593,682	13,575,652	22,608,190	1,672,841
Total		13,575,652		1,672,841

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