

MONTHLY PROGRESS REPORT  
For month ending April 30<sup>th</sup>, 2018

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

05/10/2018

***Tasks Completed:***

A. Groundwater Monitoring Plan

- The 2Q2018 Sample Kits were ordered from HALL Labs.
- Given that restitution of monitoring well MW-62 is not possible, a letter was submitted to the agencies requesting that well MW-62 is plugged and abandoned, and that it is replaced by monitoring well MW-47R.

B. Public Involvement Plan

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C. Deep Flow Zone System

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D. Assessment of Aquifer Restoration

- Continued the 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 13,101,384 gallons (an average of 303.3 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 4/10 with 27.28 gallons, and
  - o On 4/26 with 25.84 gallons.

F. Source Containment System

- The system ran 21.69% of the time and pumped 603,407 gallons (an average of 64.4 gpm while the system was active). There was 1 continued outage from March:
  - o For a total of 24 days, 11 hours, and 52 minutes; due to a new pump and motor being ordered and the lead time for that product to be delivered.



- 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 March 5<sup>th</sup>. 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 April 3<sup>rd</sup>.
- 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 not replenished.
- CW-2 pump and motor were replaced with a brand new unit on April 24<sup>th</sup> by Rodgers and Co.

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:

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***Tasks Planned:***

I. Groundwater Monitoring Plan

- The 2Q2018 Ground Water Measurement and Sampling event will begin on May 1<sup>st</sup>.

J. Public Involvement Plan

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K. Deep Flow Zone System

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L. Assessment of Aquifer Restoration

- Review and analysis of the monitoring data will be continued in preparation of the CY2017 Annual Report.

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 May 21<sup>st</sup>. CW-2 was not able to be placed back in operation until the 24<sup>th</sup> of April. This resulted in a postponement of the tank exchange by 3 weeks.
- The pretreatment filter will be replaced on an as need basis to account for the loose iron and manganese deposition that is accumulating in the filter after the well casing, screen, and pump cleaning.

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)



Occam  
Engineers  
Inc.

Dillon Cottingham  
6100 Seagull Street NE  
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May 10<sup>th</sup>, 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 April 2018. A total of 13,101,384 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 603,407 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
03/01/2018	164,866,071	12,272,389	24,278,887	1,670,697
04/01/2018	178,356,195	13,490,124	27,113,170	2,834,283
05/01/2018	191,457,579	13,101,384	27,716,577	603,407
<b>Total (YTD)</b>		52,439,549		6,781,228

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