

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

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

04/10/2018

***Tasks Completed:***

- A. Groundwater Monitoring Plan
- Continued attempts by Rodgers and Co. to retrieve the lost bailer in well MW-62 have not been successful. As a result, it has not been possible to sample this well as part of the 1Q2018 Ground Water Sampling event.
- 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 99.72% of the time and pumped 13,490,124 gallons (an average of 302.2 gpm). There was 1 outage.
    - o On 3/30 for 127 minutes due to a power surge from PNM.
  - 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 3/9 with 24.7 gallons, and
    - o On 3/24 with 23.48 gallons.
- F. Source Containment System
- The system ran 93.08% of the time and pumped 2,834,283 gallons (an average of 63.5 gpm). There were 6 outages:
    - o On 3/4 for 625 minutes due to 2 blown fuses in the submersible pump panel,
    - o On 3/5 for 16 minutes due to a Tank and Filter exchange.



- On 3/9, for 4 minutes due to building sump pump maintenance,
- On 3/12 for 46 minutes due to building sump pump maintenance,
- On 3/14 for 25 minutes due to plumbing maintenance,
- On 3/30 for 140 minutes due to a power surge from pnm and blown fuses in the submersible pump panel,
- On 3/30, the system was down through the end of the month due to problems with electrical connections. From the time down to 12:00 am on 4/1/18 the system had been down for 37 hours and 11 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.
- 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 March 5<sup>th</sup> and 27<sup>th</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 replenished once:
  - On 3/19 with 12.09 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:

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### ***Tasks Planned:***

#### I. Groundwater Monitoring Plan

- Given that restitution of MW-62 appears to not be possible, an evaluation will be made to develop a plan concerning the future of this well.

#### 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 April 2<sup>nd</sup> and April 30<sup>th</sup>.
  - o In the event that CW-2 is not able to be brought back up on Wednesday the 4<sup>th</sup>, the April 30<sup>th</sup> tank exchange will be postponed to May 7<sup>th</sup> due to the fact that the tank would not be in use.
- 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.
- Rodgers and Co. is scheduled to visit the site in early April, identify and repair electrical connection problems at CW-2, and return the system to operation.
- On April 5<sup>th</sup> the pond will be repaired to account for the past breach during a previous rainfall event in late February.

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  
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April 10<sup>th</sup>, 2018

Mr. Charles Palmer  
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Albuquerque, New Mexico  
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PE: Permit RG-69659, RG-73531T

Below is the meter report for the month of March 2018. A total of 13,490,124 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 2,834,283 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
<b>Total (YTD)</b>		39,338,165		6,177,821

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