

MONTHLY PROGRESS REPORT  
For month ending August 31, 2018

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

09/07/2018

***Tasks Completed:***

- A. Groundwater Monitoring Plan
  - The 3Q2018 Ground Water Measurement and Sampling event was completed.
  - A Work Plan for the Plugging, Abandonment, and Replacement of monitoring well MW-62 was prepared and submitted to the Agencies for their review and approval.
  
- B. Public Involvement Plan
  - None
  
- C. Deep Flow Zone System
  - None
  
- D. Assessment of Aquifer Restoration
  - None
  
- E. Offsite-Containment System (CW-1)
  - The system ran 81.9 % of the time and pumped 11,044,920 gallons (an average of 247.4 gpm). There was 1 unscheduled shutdown:
    - o From 08/25/18 to 08/31/18 for 5.6 days due to a power outage and remote communication problems.
  - 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 once:
    - o On 08/16/18 with 26.1 gallons
  
- F. Source Containment System (CW-2)
  - The system ran 97.7% of the time and pumped 2,718,204 gallons (an average of 60.9 gpm). There were two shutdowns:
    - o On 08/13/18 for 28 minutes due to a Tank Exchange.
    - o On 08/25/18 for 16 hours and 42 minutes due to a power outage.



EA Engineering, Science,  
and Technology, Inc., PBC

- 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 08/13/18. 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 08/13/18.
- Prior to the 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 08/20/18 with 11.93 gallons

G. Other

- All field activities were performed by EA personnel and subcontractors 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:

- Remote communication problems are being addressed, to avoid delays in responding to unscheduled well shutdowns.

***Tasks Planned:***

I. Groundwater Monitoring Plan

- Upon approval of the Work Plan, will proceed with the plugging and abandonment of MW-62 and the installation of a replacement well MW-62R.

J. Public Involvement Plan

- Upon approval of the 2017 Annual Report, will proceed with the preparation of the 2018 Fact Sheet and its submittal to the Agencies for approval.

K. Deep Flow Zone System

- None

L. Assessment of Aquifer Restoration

- None



EA Engineering, Science,  
and Technology, Inc., PBC

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 09/10/18.
- The pretreatment filter will be replaced on an as need basis as pressure rises or flow is reduced in the system.

O. Other

- None

P. Problems Encountered or Anticipated:

- None

By:

Kevin McKeage, E.I.T.  
Engineer for EA on behalf of Sparton

Robert Marley, P.G.  
Project Manager for EA on behalf of Sparton.

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

07 September 2018

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

RE: Permit RG-69659, RG-73531T

Dear Mr. Palmer:

Below is the meter report for the month of August 2018. A total of 11,044,920 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 2,718,204 gallons were treated by the CW-2 treatment system and discharged into rapid infiltration pond 2 located northwest of the treatment 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
06/01/2018	204,967,628	13,510,049	30,583,253	2,866,676
07/01/2018	218,025,179	13,057,551	33,355,272	2,772,019
08/01/2018	231,323,231	13,298,052	36,172,586	2,817,314
09/01/2018	242,368,151	11,044,920	38,890,790	2,718,204
<b>Total (YTD)</b>		103,350,121		17,955,441

Thank you,

EA ENGINEERING, SCIENCE,  
AND TECHNOLOGY, INC., PBC

Kevin McKeage, E.I.T.  
Engineer

cc: Robert Marley, P.G.  
Vener Mustafin, P.E.