

MONTHLY PROGRESS REPORT  
For month ending September 30, 2018

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

10/04/2018

***Tasks Completed:***

- A. Groundwater Monitoring Plan
  - None
- B. Public Involvement Plan
  - None
- C. Deep Flow Zone System
  - None
- D. Assessment of Aquifer Restoration
  - The CY2017 Annual Report was approved by the EPA and NMED on September 13, 2018, subject to providing further clarification on the reporting of monitoring data from well MW-09.
- E. Offsite-Containment System (CW-1)
  - The system ran 100.0 % of the time and pumped 13,049,982 gallons (an average of 302.1 gallons per minute [gpm]). There were no system shutdowns.
  - 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 09/10/18 with 27.2 gallons
- F. Source Containment System (CW-2)
  - The system ran over 99.9% of the time and pumped 2,678,392 gallons (an average of 62.0 gpm). There was one scheduled shutdown:
    - o On 09/10/18 for 18 minutes for a tank exchange.
  - 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.



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- 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 (NMWQCC) chromium standard of 0.050 milligrams per liter (mg/L) in the effluent discharged into the ponds.
- Replaced the first tank of the chromium removal unit on 09/10/18. Increase of the tank exchange frequency to every four weeks has resulted in no exceedance of the chromium standard for the air-stripper effluent.
- Replaced the pretreatment filter for the chromium removal unit on 09/04/18 and 09/24/18.
- Prior to the tank exchange collected chromium samples from (a) the influent to the building; (b) the effluent from the second chromium removal tank; and (c) the effluent from the air-stripper.
- The Aqua-Mag Tank was replenished once:
  - o On 09/17/18 with 23.2 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:

- None.

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

##### I. Assessment of Aquifer Restoration

- A letter will be prepared and submitted to the Agencies in response to their requirement for providing further clarification on the reporting of monitoring data from well MW-09 in the CY2017 Annual Report.

##### J. Groundwater Monitoring Plan

- Upon approval of the Work Plan submitted to the Agencies on August 29, 2018, Sparton will proceed with the plugging and abandonment of MW-62 and the installation of a replacement well MW-62R.
- The 4<sup>th</sup> Quarter groundwater-sampling event is scheduled to begin on November 1, 2018.

##### K. Public Involvement Plan

- The 2018 Fact Sheet will be prepared and submitted to the Agencies for approval.

##### L. Deep Flow Zone System

- None



M. Assessment of Aquifer Restoration

- None

N. 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.

O. 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 10/08/18.
- The pretreatment filter will be replaced on an as need basis as pressure rises or flow is reduced in the chromium removal system.

P. Other

- None

Q. Problems Encountered or Anticipated:

- None

By:

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)

04 October 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 September 2018. A total of 13,049,982 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 2,678,392 gallons were treated by the CW-2 treatment system and discharged into rapid infiltration pond number 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
10/01/2018	255,418,133	13,049,982	41,569,182	2,678,392
Total (gallons)		116,400,103		20,633,833

Thank you,

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

Robert Marley, P.G.  
Project Manager