

## MONTHLY PROGRESS REPORT For month ending November 30, 2018

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

12/10/2018

#### ***Tasks Completed:***

##### A. Groundwater Monitoring Plan

- The 4th Quarter groundwater-sampling event was conducted in November 2018.
- The Work Plan for the plugging and abandonment of MW-62 and the installation of a replacement well MW-62R, was approved by the Agencies on November 9, with suggested modification concerning the drilling method. Upon further correspondence with the Agencies, the Agencies indicated that hollow stem auger is their preferred drilling method.

##### B. Public Involvement Plan

- The 2018 Fact Sheet was approved by the Agencies on November 20, and was distributed on November 27 to residents above the current extent of groundwater contamination and along the pipeline to the infiltration gallery.

##### C. Deep Flow Zone System

- None

##### D. Assessment of Aquifer Restoration

- In response to the Agencies' questions raised in their approval of the 2017 Annual Report, a letter providing further clarification on the reporting and use of monitoring data from well MW-09 was prepared and transmitted to the Agencies on November 9, 2018.

##### E. Offsite-Containment System (CW-1)

- The system ran 100 % of the time and pumped 13,051,520 gallons (an average of 302.1 gallons per minute [gpm]).
- 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 two times:
  - o On 11/12/18 with 22 gallons.
  - o On 11/26/18 with 23 gallons.



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and Technology, Inc., PBC

F. Source Containment System (CW-2)

- The system ran over 99.9% of the time and pumped 2,645,031 gallons (an average of 61.2 gpm). Scheduled shutdown include:
  - o On 11/05/18 for 20 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.
- Continued operating 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 11/05/18.
- Replaced the pretreatment filter for the chromium removal unit on 11/05/18 and 11/27/18.
- 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 on 11/26/18 with 26 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

- None

J. Groundwater Monitoring Plan

- Spartan will proceed with permit applications and other activities related to the plugging and abandonment of MW-62 and the installation of replacement well MW-62R.

K. Public Involvement Plan

- None



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 12/3/2018.
- 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  
Project Manager for EA on behalf of Sparton.

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

10 December 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 November 2018. A total of 13,051,520 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 2,645,031 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	0	20,935,349	0
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
11/01/2018	268,906,208	13,488,075	44,316,845	2,747,663
12/01/2018	281,957,728	13,051,520	46,961,876	2,645,031
<b>Total (gallons)</b>		<b>142,939,698</b>		<b>26,026,527</b>

Thank you,

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

Robert Marley  
Project Manager