

MONTHLY PROGRESS REPORT
For month ending December 31, 2018

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

01/04/2019

Tasks Completed:

- A. Groundwater Monitoring Plan
 - Sparton commenced activities related to the plugging and abandonment of MW-62 and the installation of replacement well MW-62R.

- 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 100 % of the time and pumped 13,489,821 gallons (an average of 302.2 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 12/10/18 with 22.4 gallons.
 - o On 12/26/18 with 25.5 gallons.

- F. Source Containment System (CW-2)
 - The system ran over 99.9% of the time and pumped 2,749,799 gallons (an average of 61.6 gpm). Scheduled shutdown included:
 - o On 12/03/18 for 10 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 operating the chromium removal unit at 27 gpm and blending the post-treatment water back 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 effluent discharged to the ponds.
- Replaced the first tank of the chromium removal unit on 12/03/18.
- Replaced the pretreatment filter for the chromium removal unit on 12/26/18.
- 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 12/10/18 with 16.9 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

- Sparton will proceed with permit applications and will continue other activities related to the plugging and abandonment of MW-62 and the installation of replacement well MW-62R.
- The 1st quarter groundwater sampling event is tentatively scheduled for early February.

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.



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- 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 1/31/2019.
 - The pretreatment filter will be replaced on an as need basis as pressure rises or flow is reduced in the chromium removal system.
 - The DP-1184 Annual Report will be prepared as required by the permit.

- 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)

04 January 2019

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 December 2018. A total of 13,489,821 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 2,749,799 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
12/31/2018	295,447,549	13,489,821	49,711,675	2,749,799
Total (gallons)		156,429,519		28,776,326

Thank you,

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

Robert Marley
Project Manager