



MONTHLY PROGRESS REPORT For month ending October 31, 2019

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

11/05/2019

Tasks Completed:

- A. Groundwater Monitoring Plan
 - None
- B. Public Involvement Plan
 - A draft of the 2019 Fact Sheet was prepared and submitted to the agencies for their review and approval.
- C. Deep Flow Zone System
 - None
- D. Assessment of Aquifer Restoration
 - None
- E. Offsite-Containment System (CW-1)
 - The system operated 100 % of the time and pumped 13,494,948 gallons (an average of 302.3 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 10/08/19 with 18.9 gallons.
 - o On 10/26/19 with 27.0 gallons.
- F. Source Containment System (CW-2)
 - The system ran 99.8 % of the time and pumped 2,410,289 gallons (an average of 54.0 gpm). There were two system shutdowns:
 - o On 10/18/19 for 87 minutes for replacement of 2-inch ball valves located within the well vault.
 - o On 09/24/19 for 19 minutes for chromium removal tank exchange.
 - Collected the monthly influent and effluent samples from the treatment system.
 - 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 prior to the chromium tank exchange.

- The chromium removal unit operated at a flow rate of approximately 20 gpm.
- Filed the monthly discharge report with the Office of the State Engineer as required under Permit-RG-73531.
- Replaced the pretreatment filter for chromium removal unit on 10/01/19, 10/07/19, and 10/24/19.
- The Aqua-Mag tank was replenished once:
 - o On 10/08/19 with 12.3 gallons.
- The 2-inch ball valves located within the well vault were replaced on 10/18/19.

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:

- Declining flow rates at CW-2 have been partially resolved through discharge line cleaning and replacement of discharge line ball valves. There appear to be additional causes for declining pump performance that will be investigated.

Tasks Planned:

I. Groundwater Monitoring Plan

- Sampling of all monitoring wells as part of the 4th quarter groundwater monitoring event, including sampling of all wells, including wells MW-63 and MW-54, for 1,4-dioxane.

J. Public Involvement Plan

- Upon approval of the 2019 Fact Sheet, it will be distributed to residents living above the current plume and along the pipeline to the infiltration gallery.

K. Deep Flow Zone System

- None.

L. Assessment of Aquifer Restoration

- None.

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.



- The first tank of the chromium removal unit is tentatively scheduled for replacement on 12/27/19.
 - Prior to the tank exchange, chromium samples will be collected 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 pretreatment filter will be replaced on an as need basis as pressure rises or flow is reduced in the chromium removal system.
 - The submersible pump will be pulled and evaluated for loss of performance on 11/06/19.
- O. Other
- None.
- P. Problems Encountered or Anticipated:
- None.

By:

A handwritten signature in black ink that reads "Bob Marley".

Bob Marley
EA Project Manager on behalf of Sparton

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

05 November 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 October 2019. A total of 13,494,948 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 2,410,289 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
01/01/2019	295,447,549	0	49,711,675	0
01/31/2019	308,931,462	13,483,913	52,499,571	2,787,896
02/28/2019	321,109,136	12,177,674	54,968,831	2,469,260
03/31/2019	334,595,798	13,486,662	57,719,814	2,750,983
04/30/2019	347,652,848	13,057,050	60,340,229	2,620,415
05/31/2019	360,874,980	13,222,132	62,998,623	2,658,394
06/30/2019	373,933,550	13,058,570	65,496,639	2,498,016
07/31/2019	387,411,199	13,477,649	67,939,652	2,443,013
08/31/2019	400,909,982	13,498,783	70,241,888	2,302,236
09/30/2019	413,967,245	13,057,263	72,612,885	2,370,997
10/31/2019	427,462,193	13,494,948	75,023,174	2,410,289
Total (gallons)		132,014,644		25,311,499

Thank you,

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



Bob Marley
Project Manager