



MONTHLY PROGRESS REPORT For month ending April 30, 2019

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

05/07/2019

Tasks Completed:

- A. Groundwater Monitoring Plan
 - None

- B. Public Involvement Plan
 - None

- C. Deep Flow Zone System
 - None

- D. Assessment of Aquifer Restoration
 - Continued the assembly and evaluation of the data collected during 2018 in preparation of the 2018 Annual Report.

- E. Offsite-Containment System (CW-1)
 - The system ran 100 % of the time and pumped 13,057,050 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 04/08/19 with 25.5 gallons.
 - o On 04/24/19 with 25.3 gallons.

- F. Source Containment System (CW-2)
 - The system ran 99.9 % of the time and pumped 2,620,415 gallons (an average of 60.7 gpm).
 - 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.
 - Replaced the first tank of the chromium removal unit on April 2, 2019.

- 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.
- Based on an evaluation of available data, it was concluded that with the current pumping rate of about 60 gpm, the New Mexico Water Quality Control Commission (NMWQCC) chromium standard of 0.050 milligrams per liter (mg/L) in effluent discharged to the ponds can be met by reducing the rate of flow diverted to the chromium unit from 27 gpm to 20 gpm, and changing the tank exchange frequency from once every 4 weeks to once every 5 weeks.
- The chromium removal unit operated at a flow rate of 27 gpm from 4/1/19 to 4/15/19, and then, in preparation of the changes discussed above, at 20 gpm through 4/30/19.
- Replaced the pretreatment filter for the chromium removal unit on 04/22/19.
- The Aqua-Mag tank was replenished two times:
 - o On 04/08/19 with 19.6 gallons.
 - o On 04/29/19 with 18.5 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. Groundwater Monitoring Plan

- 2nd quarter groundwater monitoring will be completed in May 2019.

J. Public Involvement Plan

- None

K. Deep Flow Zone System

- None

L. Assessment of Aquifer Restoration

- Assembly and evaluation of the data collected during 2018 will continue in preparation of the 2018 Annual Report.

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 will be replaced on May 2, 2019.
- 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.

O. Other

- None

P. Problems Encountered or Anticipated:

- None

By:



Bob Marley
EA Project Manager on behalf of Sparton

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

07 May 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 April 2019. A total of 13,057,050 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 2,620,415 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
Total (gallons)		52,205,299		10,628,554

Thank you,

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



Bob Marley
Project Manager