

03 February 2020

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 January 2020. A total of 13,485,837 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 2,539,235 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
01/01/2020	453,440,391	0	79,788,446	0
01/31/2020	466,926,228	13,485,837	82,327,681	2,539,235
Total (gallons)		13,485,837		2,539,235

Sincerely,

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



Bob Marley
Project Manager



EA Engineering, Science,
and Technology, Inc., PBC

MONTHLY PROGRESS REPORT For month ending January 31, 2020

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

02/03/2020

Tasks Completed:

A. Groundwater Monitoring Plan

- The 2019 Annual Monitoring Report for Discharge Permit DP-1184 was submitted to NMED on January 30, 2020.
- The Fourth Quarter 2019 1,4-Dioxane Sampling Event summary was submitted to NMED on January 30, 2020.

B. Public Involvement Plan

- The 2019 Fact Sheet was approved by the agencies on January 6, 2020, and was distributed to residents living above the current TCE plume and along the pipeline to the Arroyo de las Calabacillas on January 16, 2020.

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 13,485,837 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 01/12/20 with 26.3 gallons.
 - o On 01/27/20 with 23.5 gallons.

F. Source Containment System (CW-2)

- The system ran 99.9% of the time and pumped 2,539,235 gallons (an average of 56.9 gpm). There was one system shutdown:
 - o On 01/09/20 for 29 minutes for scheduled chromium tank exchange.
- Collected the monthly influent and effluent samples from the treatment system.



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- 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.
- The Aqua-Mag tank was replenished two times:
 - o On 01/05/20 with 15.3 gallons.
 - o On 01/27/20 with 10.3 gallons.
- The pretreatment filter was replaced on 01/09/20.

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

- The 1st quarter groundwater sampling event is scheduled for February. This sampling event will include sampling for 1,4-dioxane at all monitoring wells and the influent and effluent of the containment systems.

J. Public Involvement Plan

- None.

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.



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- Given that influent chromium concentrations have remained below the NMED standard of 50 µg/L for the last several months, the tank exchange frequency is temporarily decreased to once every six (6) weeks, thus the next exchange of the first tank of the chromium removal unit is scheduled for 02/20/2020.
 - 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.
 - Pump performance will continue to be monitored to determine if any well rehabilitation measures are necessary.
- O. Other
- None.
- P. Problems Encountered or Anticipated:
- None.

By:

A handwritten signature in black ink that reads "Bob Marley". The signature is written in a cursive, flowing style with a small flourish at the end.

Bob Marley
EA Project Manager on behalf of Sparton

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