



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



MONTHLY PROGRESS REPORT

For month ending April 30, 2021

CV-97-0206 (D.N.M)

Albuquerque v. Sparton Technology, Inc.

05/05/2021

Tasks Completed:

A. Groundwater Monitoring Plan

- None.

B. Public Involvement Plan

- None.

C. Deep Flow Zone System

- None.

D. Assessment of Aquifer Restoration

- Continued data assembly and evaluation towards preparation of the 2020 Annual Report.

E. Offsite-Containment System (CW-1)

- The system operated 96.1% of the time and pumped 12,362,532 gallons (an average of 286.21 gallons per minute [gpm]). There were two system shutdowns.
 - o On 04/29/21 for 856 minutes due to an air stripper fault.
 - o On 04/30/21 for 817 minutes due to an air stripper fault.
- 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 the following time(s):
 - o On 04/01/21 with 8.6 gallons.
 - o On 04/05/21 with 22.0 gallons.
 - o On 04/19/21 with 19.8 gallons

F. Source Containment System (CW-2)

- The system operated 99.3% of the time and pumped 2,054,001 gallons (an average of 47.5 gpm). There were two system shutdowns.
 - o On 04/05/21 for 266 minutes for flow meter and isolation valve cleaning.
 - o On 04/12/21 for 51 minutes for flow meter maintenance.
- Collected the monthly influent and effluent samples from the treatment system.
- Filed the monthly discharge report with the Office of the State Engineer as required under Permit-RG-73531.



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- The Aqua-Mag tank was replenished the following time(s):
 - o On 04/01/21 with 7.4 gallons.
 - o On 04/26/21 with 10.3 gallons.
- The pretreatment filter was replaced on 04/01/21.

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

- The CW-1 system is experiencing unexplained air stripper faults, and push notifications for system alarm conditions that are shutting down the system are not being consistently transmitted to operations staff.
- The CW-2 influent flow meter continued to malfunction after additional cleaning of meter and isolation valve. The flow meter displays a “dry” error code when the well is running. The flow meter manufacturer’s representative believes there must be aeration within the influent line that prevents proper operation of the flow meter.

Tasks Planned:

I. Groundwater Monitoring Plan

- Complete 2nd quarter groundwater monitoring event during the first half of May.

J. Public Involvement Plan

- None.

K. Deep Flow Zone System

- None.

L. Assessment of Aquifer Restoration

- Continue data assembly and evaluation towards preparation of the 2020 Annual Report.

M. Offsite-Containment System (CW-1)

- 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.
- The CW-1 air stripper faults and push notification issues will be investigated.

N. Source Containment System (CW-2)

- The monthly influent and effluent samples will be collected.
- The required discharge report will be filed with the Office of the State Engineer.
- The pretreatment filter will be replaced on an as need basis as pressure rises.



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- The CW-2 submersible pump will be pulled, inspected, and maintenance will be completed to the pumping system as appropriate.

O. Other

- None.

P. Problems Anticipated or that May Be Encountered:

- None.

By:

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

Bob Marley

EA Project Manager on behalf of Sparton

Cc: Mr. Greg Lyssy (EPA: 214-665-8317)
Mr. Dave Cobrain (NMED: 505-476-6030)

05 May 2021

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 2021. A total of 12,362,532 gallons of water was discharged through the CW-1 treatment system to an infiltration gallery located in the Calabacillas Arroyo. A total of 2,054,001 gallons of water was discharged through the CW-2 treatment system to rapid infiltration pond number three located north of the treatment building.

Date	CW-1		CW-2	
	Meter Reading	Discharge	Meter Reading	Discharge
01/01/2021	611,473,788	0	108,901,202	0
01/31/2021	624,885,446	13,411,658	16,123,138	2,260,702
02/28/2021	637,003,846	12,118,400	18,126,318	2,003,180
03/31/2021	649,819,194	12,815,348	20,240,225	2,113,907
04/30/2021	662,181,726	12,362,532	22,294,226	2,054,001
Total (gallons)		50,707,938		8,431,790

Notes: CW-2 influent meter malfunctioned in January 2021; effluent meter readings used to calculate monthly discharge for January - April 2021.

Sincerely,

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



Bob Marley
Project Manager