



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



MONTHLY PROGRESS REPORT
For the month ending on April 30, 2023
CV-97-0206 (D.N.M)
Albuquerque v. Sparton Technology, Inc.
05/04/2023

Tasks Completed:

A. Groundwater Monitoring Plan

- None.

B. Public Involvement Plan

- None.

C. Deep Flow Zone System

- None.

D. Assessment of Aquifer Restoration

- Continued assembly and evaluation of monitoring data collected during 2022 for the preparation of the 2022 Annual Report.

E. Offsite-Containment System (CW-1)

- The system operated 100% of the time and pumped 13,003,742 gallons (an average of 301.0 gallons per minute [gpm]). There were the following system shutdowns.
 - o On 04/22/23 for 410 minutes due to power outage.
- 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 at the following time(s):
 - o On 04/01/23 with 16.0 gallons.
 - o On 04/15/23 with 18.9 gallons

F. Source Containment System (CW-2)

- The system operated 100.0% of the time and pumped an estimated 2,425,745 gallons (an average of 56.2 gpm). Note, flow rates are determined using effluent flow meter until the influent flow meter can be repaired (see Section H). There were no system shutdowns.
- 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.
- The Aqua-Mag tank was replenished at the following time(s):
 - o On 04/08/23 with 11.7 gallons.
 - o On 04/28/23 with 8.2 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

- The CW-2 well requires maintenance based on recent declines in specific capacity. The influent flow meter also has recently malfunctioned, this is likely the result of entrainment of air within the pump discharge.

The well service contractor has been contacted to pull the submersible pump, inspect system components, and complete system repairs as necessary to improve performance. The tentative schedule for completion of this work is mid-May; but is subject to well service contractor availability. The CW-2 well will be shut down temporarily in order to complete the planned repairs.

Tasks Planned:

I. Groundwater Monitoring Plan

- The 2nd quarterly groundwater sampling event will be completed by mid-May.

J. Public Involvement Plan

- Upon approval of the 2020 and 2021 Annual Reports, a combined 2022 Fact Sheet on remedial activities during 2020 and 2021 will be prepared and submitted to the Agencies for approval before distribution.

K. Deep Flow Zone System

- None.

L. Assessment of Aquifer Restoration

- Continue assembly and evaluation of monitoring data collected during 2022 for the preparation of the 2022 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.

N. Source Containment System (CW-2)

- The submersible pump will be pulled, inspected, and refurbished as needed. The screen interval will be cleaned to remove suspected clogging and to improve overall efficiency during pumping.
- The monthly influent and effluent samples will be collected.
- The required discharge report will be filed with the Office of the State Engineer.

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, flowing style.

Bob Marley

EA Project Manager on behalf of Sparton

03 May 2023

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 2023. A total of 13,003,742 gallons of water was discharged through the CW-1 treatment system to an infiltration gallery located in the Calabacillas Arroyo. A total of 2,425,745 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
01/01/2023	913,438,756	0	156,918,693	0
01/31/2023	926,897,398	13,458,642	159,206,895	2,288,202
02/28/2023	939,080,108	12,182,710	161,255,374	2,048,479
03/31/2023	952,649,867	13,569,759	163,447,529	2,192,155
04/30/2023	965,653,609	13,003,742	Malfunction	2,425,745
Total (gallons)	-	52,214,853	-	8,954,581

Notes: CW-2 influent meter malfunctioned in April 2023; effluent meter readings used to calculate monthly discharge during this period.

Sincerely,

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



Bob Marley
Project Manager