



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



MONTHLY PROGRESS REPORT  
For month ending May 31, 2021  
CV-97-0206 (D.N.M)  
Albuquerque v. Sparton Technology, Inc.  
06/03/2021

***Tasks Completed:***

- A. Groundwater Monitoring Plan
- Completed 2<sup>nd</sup> quarter groundwater monitoring event.
- 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 23.3% of the time and pumped 3,122,870 gallons (an average of 70.0 gallons per minute [gpm]). There were two system shutdowns.
    - o On 05/01/21 for about 2.5 days (3,584 minutes) due to an air stripper fault.
    - o On 05/04/21 for about three weeks (30,639 minutes) due to downhole submersible pump failure. The submersible pump was replaced and the system was restarted on 05/25/21.
  - 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 Not necessary during the reporting period due to reduced operation time.
- F. Source Containment System (CW-2)
- The system operated 96.1% of the time and pumped 2,268,648 gallons (an average of 50.8 gpm). There was one system shutdown.
    - o On 05/04/21 for 1,762 minutes to complete well rehabilitation. The system was restarted on 05/05/21.
  - 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 the following time(s):
    - o On 05/24/21 with 12.1 gallons.
  - The pretreatment filter was not replaced during the reporting period.



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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 pumping system failed. The replacement pumping system was installed and the well was placed back into service on 05/25/21.
- The CW-2 well required rehabilitation. The submersible pump was pulled, the well screens were mechanically cleaned, the downhole discharge piping and check valve were replaced, and the pumping system was reinstalled. The well was placed back into service on 05/05/21.

***Tasks Planned:***

I. Groundwater Monitoring Plan

- None.

J. Public Involvement Plan

- None.

K. Deep Flow Zone System

- None.

L. Assessment of Aquifer Restoration

- Complete the preparation of the 2020 Annual Report and submit to the Agencies.

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 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.

O. Other

- None.

P. Problems Anticipated or that May Be Encountered:

- None.

By:

Bob Marley

EA Project Manager on behalf of Sparton

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

03 June 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 May 2021. A total of 3,122,870 gallons of water was discharged through the CW-1 treatment system to an infiltration gallery located in the Calabacillas Arroyo. A total of 2,268,648 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
05/31/2021	665,304,596	3,122,870	24,562,874	2,268,648
Total (gallons)		53,830,808		10,700,438

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

Sincerely,

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



Bob Marley  
Project Manager