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

ENTERED

MONTHLY PROGRESS REPORT
For month ending March 31, 2021

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

04/05/2021

***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 95.9% of the time and pumped 12,815,348 gallons (an average of 287.1 gallons per minute [gpm]). There were two system shutdowns.
    - On 03/11/21 for 801 minutes due to power failure.
    - On 03/23/21 for 1041 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):
    - On 03/03/21 with 25.1 gallons.
    - On 03/15/21 with 17.2 gallons.

F. Source Containment System (CW-2)

- The system operated 97.5% of the time and pumped 2,113,907.00 gallons (an average of 47.4 gpm). There were three system shutdowns.
    - On 03/11/21 for 809 minutes due to power failure.
    - On 03/25/21 for 289 minutes for cleaning of discharge from wellhead to treatment building.
    - On 03/30/21 for 8 minutes to provide training for new system operations staff.
- 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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Phone 505-224-9013
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- The Aqua-Mag tank was replenished the following time(s):
    - On 03/15/21 with 11.3 gallons.
- The pretreatment filter was replaced on 03/12/21, 03/15/21, and 03/24/21.
- The discharge line from the wellhead to the treatment building was cleaned out on 03/25/21.

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

- At the source containment system (CW-2) dark-colored solids (manganese deposits) were collecting in the pretreatment filter at a high rate. Cleaning of the discharge line between the wellhead and treatment building was completed to resolve the issue.
- Also at CW-2, the influent flow meter continued to malfunction after cleaning of the discharge line and a flow regulation valve appears to have failed as it cannot be fully closed. The failure of this valve is responsible, at least partially, for the observed reduction in influent flow to the treatment building.

Tasks Planned:

I. Groundwater Monitoring Plan

- None.

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.

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.
- The CW-2 influent flow meter and flow regulation valve will be repaired or replaced.

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O. Other

- None.

P. Problems Anticipated or that May Be Encountered :

- None.

By:

Bob Marley

Bob Marley
EA Project Manager on behalf of Sparton

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

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SPARTON 4/21

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and Technology, Inc., PBC

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05 April 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 March 2021. A total of 12,815,348 gallons of water was discharged through the CW-1 treatment system to an infiltration gallery located in the Calabacillas Arroyo. A total of 2,113,907 gallons of water was discharged through the CW-2 treatment system to rapid infiltration pond number three located north of the treatment building.

	CW-1		CW-2	
Date	**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
Total (gallons)		38,345,406		6,377,789

Notes: CW-2 treatment building influent meter malfunctioned in January 2021; effluent meter readings are substituted to calculate monthly discharge for January - March 2021.

Sincerely,

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

Bob Marley

Bob Marley
Project Manager