



MONTHLY PROGRESS REPORT For month ending September 30, 2019

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

10/09/2019

Tasks Completed:

- A. Groundwater Monitoring Plan
 - None
- B. Public Involvement Plan
 - None
- 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 13,057,263 gallons (an average of 302.3 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 09/07/19 with 22.0 gallons.
 - o On 09/26/19 with 25.8 gallons.
- F. Source Containment System (CW-2)
 - The system ran 99.5 % of the time and pumped 2,370,997 gallons (an average of 54.9 gpm). There were two system shutdowns:
 - o On 09/03/19 for 180 minutes for discharge line cleaning between well head and treatment building.
 - o On 09/19/19 for 29 minutes for chromium removal tank exchange.
 - Collected the monthly influent and effluent samples from the treatment system.
 - 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.

09 October 2019

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 September 2019. A total of 13,057,263 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 2,370,997 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
01/01/2019	295,447,549	0	49,711,675	0
01/31/2019	308,931,462	13,483,913	52,499,571	2,787,896
02/28/2019	321,109,136	12,177,674	54,968,831	2,469,260
03/31/2019	334,595,798	13,486,662	57,719,814	2,750,983
04/30/2019	347,652,848	13,057,050	60,340,229	2,620,415
05/31/2019	360,874,980	13,222,132	62,998,623	2,658,394
06/30/2019	373,933,550	13,058,570	65,496,639	2,498,016
07/31/2019	387,411,199	13,477,649	67,939,652	2,443,013
08/31/2019	400,909,982	13,498,783	70,241,888	2,302,236
09/30/2019	413,967,245	13,057,263	72,612,885	2,370,997
Total (gallons)		118,519,696		22,901,210

Thank you,

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



Bob Marley
Project Manager

- Filed the monthly discharge report with the Office of the State Engineer as required under Permit-RG-73531.
- Replaced the pretreatment filter for chromium removal unit on 09/05/19.
- The Aqua-Mag tank was replenished once:
 - o On 09/09/19 with 22.6 gallons.
- The discharge line from the well head to treatment building was cleaned to remove fouling on 09/03/19. Replaced malfunctioning pressure gauge at well head.

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:

- Declining flow rates at CW-2 were partially resolved through discharge line cleaning. A significant pressure drop remains between the well head and treatment building suggesting there are additional causes for declining pump performance.

Tasks Planned:

I. Groundwater Monitoring Plan

- None.

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.
- The first tank of the chromium removal unit will be replaced on 10/24/19.
- 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.
- The 2-inch ball valves used to regulate flow between well head and treatment building will be assessed and possibly replaced if determined to be malfunctioning, as there is still a significant head loss through these valves that may be limiting submersible pump performance.

O. Other

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P. Problems Encountered or Anticipated:

- None.

By:

A handwritten signature in black ink that reads "Bob Marley".

Bob Marley
EA Project Manager on behalf of Sparton

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