



MONTHLY PROGRESS REPORT For month ending December 31, 2019

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

01/07/2020

Tasks Completed:

A. Groundwater Monitoring Plan

- A sample was collected from well MW-63 for 1,4-dioxane analysis on 12/05/19, completing the 4th quarter groundwater monitoring event.

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 13,464,181 gallons (an average of 301.6 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 12/06/19 with 13.9 gallons.
 - o On 12/26/19 with 30.4 gallons.

F. Source Containment System (CW-2)

- The system ran 99.9% of the time and pumped 2,503,671 gallons (an average of 56.1 gpm). There was one system shutdown:
 - o On 12/05/19 for 14 minutes due for scheduled chromium 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.
- Filed the monthly discharge report with the Office of the State Engineer as required under Permit-RG-73531.



- The Aqua-Mag tank was replenished once:
 - o On 12/06/19 with 13.2 gallons.
- The pretreatment filter was replaced on 12/01/19.

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:

- None.

Tasks Planned:

I. Groundwater Monitoring Plan

- Upon receipt of all laboratory reports for the 1,4-dioxane samples collected during the 4th quarter groundwater monitoring event, a summary data report will be submitted to the agencies.
- The 1st quarter groundwater sampling event is tentatively scheduled for early February. This sampling event will include sampling for 1,4-dioxane at all monitoring wells and the influent and effluent of the containment systems.

J. Public Involvement Plan

- The 2019 Fact Sheet, which was approved by the agencies on 1/6/2020, will be finalized and distributed to residents living within the area underlain by the current plume and along the pipeline route to the infiltration gallery.

K. Deep Flow Zone System

- None.

L. Assessment of Aquifer Restoration

- Assembly and evaluation of the data collected during 2019 will commence in preparation of the 2019 Annual Report.

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 is scheduled for replacement on 01/09/2020.



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- 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.
- Pump performance will continue to be monitored to determine if any well rehabilitation measures are necessary.
- The DP-1184 Annual Report will be prepared as required by the permit.

O. Other

- None.

P. Problems Encountered or Anticipated:

- 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

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

07 January 2020

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 December 2019. A total of 13,464,181 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 2,503,671 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
10/31/2019	427,462,193	13,494,948	75,023,174	2,410,289
11/30/2019	439,976,210	12,514,017	77,284,775	2,261,601
12/31/2019	453,440,391	13,464,181	79,788,446	2,503,671
Total (gallons)		157,992,842		30,076,771

Thank you,

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



Bob Marley
Project Manager