

MONTHLY PROGRESS REPORT
For month ending November 30th, 2017

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

12/08/2017

Tasks Completed:

- A. Groundwater Monitoring Plan
- The 4Q2017 Sampling Event was concluded on November 27th.
- B. Public Involvement Plan
-
- C. Deep Flow Zone System
-
- D. Assessment of Aquifer Restoration
- QA/QC review of the 4Q2017 data was conducted as sampling results were received from the laboratory.
- E. Offsite-Containment System
- The system ran 100.00% of the time and pumped 13,122,011 gallons (an average of 303.8 gpm). There were 0 outages.
 - 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.
- F. Source Containment System
- The system ran 99.94% of the time and pumped 1,801,767 gallons (an average of 41.7 gpm). There was 1 outage:
 - o On 11/13 for 24 minutes due to a Tank Exchange and Filter Change.
 - Filed the monthly discharge report with the Office of the State Engineer as required under Permit-RG-73531.
 - Collected the monthly influent and effluent samples from the treatment system.
 - Continued to operate the chromium removal unit during the entire month and route 27 gpm of the pumped water through the unit and blended with the remainder of the pumped water to meet the New Mexico Water Quality Control Commission chromium standard of 0.050 mg/L in the effluent discharged into the ponds.



- Replaced the first tank of the chromium removal unit on November 13th. Following the modification of the tank exchange frequency to occur every four weeks, no exceedance of the NMWQS in the effluent from the air-stripper was observed.
- Replaced the pretreatment filter for the Chromium Exchange Tanks on November 13th.
- Prior to each Tank Exchange collected chromium samples of (a) the influent to the building; (b) the effluent from the second tank; and (c) the effluent from the air-stripper on tank exchange day.

G. Other

- All field activities were performed by OEI personnel 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:

- As it has often happened in the past, the pumping rate of extraction well CW-2 has declined below its design rate of 50 gpm to about 42 gpm during November. This is attributed to the plugging of the pipeline between the well and the treatment building by the deposition of manganese which is present at relatively high concentrations in the pumped water.

Tasks Planned:

I. Groundwater Monitoring Plan

-

J. Public Involvement Plan

- A draft 2017 Fact Sheet, presenting updated information on remedial activities conducted during 2016 will be prepared and submitted to the agencies for review and approval. Upon approval by the agencies, the Fact Sheet will be distributed to the occupants of residences located within the area of offsite groundwater contamination and along the route of the pipeline to the infiltration gallery.

K. Deep Flow Zone System

-

L. Assessment of Aquifer Restoration

- QA/QC review of the 4Q2017 data will continue to be conducted as sampling results continue to be received from the laboratory.

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; and
- Tank Exchange chromium sampling of (a) the influent; (b) the effluent from the second tank; and (c) the effluent from the air-stripper will continue.
- The first tank of the Chromium Removal unit will be replaced on December 11th.
- The pretreatment filter will be replaced on December 11th.
- Arrangements will be made to secure the services of a contractor for cleaning up the piping between extraction well CW-2 and the treatment building, and thus restoring the pumping rate of the well. It is anticipated that this could be done in December, but it may be delayed to January.

O. Other

-

P. Problems Encountered or Anticipated:

-

By:

Dillon Cottingham, EI
Engineering Technician for Sparton

Charles Easterling, PE
Project Coordinator for Sparton.

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



Dillon Cottingham
 6100 Seagull Street NE
 Albuquerque, NM 87109

December 10th, 2017

Mr. Charles Palmer
 Office of State Engineer
 5550 San Antonio Dr. NE
 Albuquerque, New Mexico
 Dist1.meterreadings@state.nm.us

PE: Permit RG-69659, RG-73531T

Below is the meter report for the month of November 2017. A total of 13,122,011 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 1,801,767 gallons were treated by the air stripper at CW-2 and discharged into rapid infiltration pond 2 located northwest of the CW-2 Stripper building.

Date	CW-1		CW-2	
	Meter Reading	Discharge	Meter Reading	Discharge
01/03/2017	530,292,100		73,153,900	
02/01/2017	543,089,000	12,796,900	75,242,800	2,088,900
02/13/2017	547,741,600	4,652,600	75,964,600	721,800
02/13/2017	0	New Meter	0	New Meter
03/01/2017	6,724,145	11,376,745	1,090,874	1,812,674
04/03/2017	21,099,188	14,375,043	3,405,652	2,314,778
05/01/2017	33,119,830	12,020,642	5,217,323	1,811,671
06/01/2017	46,666,168	13,546,338	7,356,491	2,139,168
07/01/2017	58,697,913	12,031,745	9,320,616	1,964,125
08/01/2017	72,242,397	13,544,484	11,415,960	2,095,344
09/01/2017	85,774,467	13,532,070	13,480,629	2,064,669
10/01/2017	98,944,064	13,169,597	15,461,362	1,980,733
11/01/2017	112,537,690	13,593,626	17,425,680	1,964,318
12/01/2017	125,659,701	13,122,011	19,227,447	1,801,767
Total		143,109,201		22,038,147

Thank You,
 Sincerely,

Dillon Cottingham, EI

cc: Charles M. Easterling, PE