



FAX

To: Dave Cobrain 505 476 6030

From: Tony Hurst: (303 388 8613)

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

Date	No of Pages	Month
2/9/15	(4 total)	Attached is the January 2015 Monthly Report
	(total)	Attached is the February 2015 Monthly Report
	(total)	Attached is the March 2015 Monthly Report
	(total)	Attached is the April 2015 Monthly Report
	(total)	Attached is the May 2015 Monthly Report
	(total)	Attached is the June 2015 Monthly Report
	(total)	Attached is the July 2015 Monthly Report
	(total)	Attached is the August 2015 Monthly Report
	(total)	Attached is the September 2015 Monthly Report
	(total)	Attached is the October 2015 Monthly Report
	(total)	Attached is the November 2015 Monthly Report
	(total)	Attached is the December 2015 Monthly Report

Please call me at 719-649-1944 if you have any questions

Thanks

Tony Hurst

Project Coordinator for Sparton Technology, Inc.

HURST ENGINEERING SERVICES
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MONTHLY PROGRESS REPORT
For month ending January 31st, 2015

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

02/09/15

Tasks Completed:

- A. Groundwater Monitoring Plan
- Continued to evaluate Monitoring Wells replacement needs.
 - Conducted sampling at wells MW-12, MW-26, MW-32, MW-34 and MW-41 that were not sampled in November. Well MW-66, whose pump bladder had failed after its 4th Quarter sampling in November, was resampled after the bladder was replaced to confirm the earlier results.
- B. Public Involvement Plan
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- C. Deep Flow Zone System
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- D. Assessment of Aquifer Restoration
- Prepared the 2015 Annual Monitoring Report for Discharge Permit DP-1184 as required by the permit and transmitted to the New Mexico Environment Department (NMED) on January 30th. The report included the chromium data collected since installation of the chromium removal unit at the source containment system.
- E. Offsite-Containment System
- Collected the monthly influent and effluent samples, and measured the water level in the infiltration gallery piezometer.
 - Made revisions to the maintenance schedule and operation manual for the system.
 - Filed the monthly discharge report with the Office of the State Engineer as required under Permit-RG-69659.
 - The system ran 97.88 % of the time and pumped 14,113,500 gallons (an average of 298.3 gpm). There was four outages totaling 16 hours and 45 minutes.
 - o On 1/20 for 3 hours 45 minutes for stripper cleaning activities.
 - o On 1/21 for 3 hours 49 minutes for stripper cleaning activities.
 - o On 1/22 for 2 hours 11 minutes for stripper cleaning activities.
 - o On 1/28 for 7 hours for seal maintenance activities.
- F. Source Containment System
- Filed the monthly discharge report with the Office of the State Engineer as required under Permit-RG-73531.

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- Collected the monthly influent and effluent samples from the treatment system.
- Operated the chromium removal unit during the entire month. Continued to route 70% (35 gpm) of the pumped water through the unit and blend it with the remainder of the pumped water to meet the New Mexico Water Quality Control Commission (NMWQCC) chromium standard of 0.050 mg/L in the effluent discharged into the ponds.
- Continued weekly chromium sampling of (a) the influent to the first tank of the chromium removal system; (b) mid-tank; (c) the effluent from the second tank; and (d) the effluent from the air-stripper. All samples of the effluent from the air-stripper were at or below the NMWQCC chromium standard of 0.050 mg/L.
- Conducted the monthly sampling of pond monitoring well MW-17. Chromium concentration was 0.055 mg/L, exceeding the NMWQCC chromium standard but continuing a downward trend, suggesting that the NMWQCC chromium standard may be satisfied in the next monthly sampling. The well will continue to be monitored on a monthly frequency.
- Made revisions to the maintenance schedule and operation manual for the system.
- The system ran 99.0 % of the time and pumped 2,363,700 gallons (an average of 50.0 gpm). There was three outages totaling 46 minutes.
 - o On 1/12 for 14 minutes for a filter replacement.
 - o On 1/19 for 18 minutes for a tank exchange.
 - o On 1/30 for 14 minutes for a filter replacement.

G. Other

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Tasks Planned:**H. Groundwater Monitoring Plan**

- Continue to evaluate Monitoring Wells replacement needs.
- The 1st Quarter 2015 round of water-level and water-quality monitoring will be conducted.

I. Public Involvement Plan

- Upon approval by the agencies, the 2013 Fact Sheet will be distributed to residents above the plume and along the pipeline to the gallery.

J. Deep Flow Zone System

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K. Assessment of Aquifer Restoration

- The Semi-Annual Progress Report for the Third and Fourth Quarter 2014 will be prepared and submitted to the agencies.

L. Offsite-Containment System

- The monthly influent and effluent samples will be collected, and the water level will be measured in the infiltration gallery piezometer.

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- Copies of the updated maintenance schedule and operation manual for the system will be printed and filed at the treatment building for the system and with Easterling Consultants.
- The required discharge report will be filed with the Office of the State Engineer.

M. Source Containment System

- The monthly influent and effluent samples will be collected.
- Weekly chromium sampling of (a) the influent to the first tank of the chromium removal system; (b) mid-tank; (c) the effluent from the second tank; and (d) the effluent from the air-stripper will continue.
- The first tank of the chromium removal unit will be replaced on February 9th.
- The pretreatment filter will be replaced on February 2nd and 16th.
- Monthly monitoring of chromium concentrations in pond monitoring well MW-17 will continue.
- A possible cause of exceedances in the effluent chromium concentrations that were observed in November 2014 is the potential accumulation of chromium containing sediments in the air stripper. This possibility will be investigated and if determined to be indeed the cause of occasional exceedances, appropriate measures will be taken to prevent their re-occurrence.
- Copies of the updated maintenance schedule and operation manual for the system will be printed and filed at the treatment building for the system and with Easterling Consultants.


N. Other

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O. Problems Encountered or Anticipated:

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By:



Tony Hurst
Project Coordinator for Sparton.

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