

TRANSMISSION VERIFICATION REPORT



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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
1/10/14	(4 total)	Attached is the December 2013 Monthly Report
2/7/14	(3 total)	Attached is the January 2014 Monthly Report
3/7/14	(3 total)	Attached is the February 2014 Monthly Report
4/2/14	(1 total)	Attached is the March 2014 Monthly Report
5/9/14	(4 total)	Attached is the April 2014 Monthly Report
4/9/14	(1 total)	Attached is the May 2014 Monthly Report
7/9/14	(3 total)	Attached is the June 2014 Monthly Report
8/6/14	(4 total)	Attached is the July 2014 Monthly Report
9/6/14	(4 total)	Attached is the August 2014 Monthly Report
10/8/14	(4 total)	Attached is the September 2014 Monthly Report
11/5/14	(4 total)	Attached is the October 2014 Monthly Report
12/7/14	(5 total)	Attached is the November 2014 Monthly Report
1/8/15	(4 total)	Attached is the December 2014 Monthly Report

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

Thanks

HURST ENGINEERING SERVICES

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MONTHLY PROGRESS REPORT
For month ending December 31st, 2014**CV-97-0206 (D.N.M)**
Albuquerque v. Sparton Technology, Inc.

01/08/15

Tasks Completed:**A. Groundwater Monitoring Plan**

- Continued to evaluate Monitoring Wells replacement needs.

B. Public Involvement Plan

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C. Deep Flow Zone System

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D. Assessment of Aquifer Restoration

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E. Offsite-Containment System

- Collected the monthly influent and effluent samples from the treatment system, 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 system ran 100.0 % of the time and pumped 13,158,700 gallons (an average of 304.4 gpm). There was no outages.
- Revisions were made to the maintenance schedule and operation manual for the system.
- Maintenance work was performed at well MW-66.

F. Source Containment System

- 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.
- The system ran 99.87 % of the time and pumped 2,232,000 gallons (an average of 51.6 gpm). There was three outages totaling 56 minutes.
 - o On 12/8 for 28 minutes for a tank exchange.
 - o On 12/20 for 10 minutes for a filter replacement.
 - o On 12/29 for 18 minutes for a tank exchange.
- Operated the chromium removal unit during the entire month; 70% (35 gpm) of the pumped water was routed through the unit and blended 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.

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- Replaced the first tank from the chromium removal unit on December 8th and 29th
- The pretreatment filter was replaced on December 20th
- 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 continued. All samples of the effluent from the air-stripper were below the NMWQCC chromium standard of 0.050 mg/L. Since no exceedances have occurred after the November 17 sampling event, it appears that no further adjustments to the tank exchange frequency or to the percentage of chromium treated flow are necessary.
- Conducted the monthly sampling of pond monitoring well MW-17. Chromium concentration was 0.084 mg/L, exceeding the NMWQCC chromium standard. Therefore, the well will continue to be monitored on a monthly frequency.
- Revisions were made to the maintenance schedule and operation manual for the system.
- Maintenance work was performed at well MW-12, required so that 4th Quarter sampling can be conducted.

G. Other

- Evaluation of the results of sampling for dioxane conducted on November 3rd in the influent/effluent from both the off-site and source containment systems and MW-80 indicated that 1,4-dioxane concentrations in the groundwater were significantly lower than the health advisory of 0.2 mg/L established by the EPA (EPA, 2012).

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

- Continue to evaluate Monitoring Wells replacement needs.
- The DP-1184 Annual Report will be prepared as required by the permit.

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

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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.
- The required discharge report will be filed with the Office of the State Engineer.
- 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.

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M. Source Containment System

- Sampling will be attempted at well MW-12. Also, an attempt will be made to sample wells MW-26, MW-32, MW-34 and MW-41 that were not sampled in November.
- The required discharge report will be filed with the Office of the State Engineer.
- 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 January 19.
- The pretreatment filter will be replaced on January 10th and 31st
- Monthly monitoring of chromium concentrations in pond monitoring well MW-17 will continue.
- 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.
- DP-1184 Annual Report will include the chromium data collected since installation of the chromium removal unit at the source containment system.

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)