



MONTHLY PROGRESS REPORT For month ending January 31st, 2016

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

02/05/16

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
 - The system ran 99.98% of the time and pumped 14,292,700 gallons (an average of 300.8 gpm). There was one power outage on 1/8 for 10 minutes.
 - Chromium sampling of (a) the influent to the first tank of the chromium removal system; (b) the effluent from the second tank; and (c) the effluent from the air-stripper, was conducted on January 1th, prior to the scheduled tank exchange. Effluent concentration from the air-stripper was below the NMWQCC chromium standard of 0.050 mg/L.
 - 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 86.45% of the time and pumped 2,102,800 gallons (an average of 44.2 gpm). There was five outages
 - o On 1/4/16 through 1/7/16 one for 94 hours 30 minutes for cleaning and a gasket exchange.
 - o One for 30 minutes on 1/11 for a tank and filter exchange.
 - o One for 1 hour 53 minutes on 1/21 for gasket maintenance.
 - o One for 5 minutes on 1/11/25 for a filter exchange.
 - o One for 10 hours 32 minutes on 2/1 to replace the stripper discharge pump.

HURST ENGINEERING SERVICES

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- 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 29th.
- 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.
- 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.
- Replaced the first tank from the chromium removal unit on January 11th
- Replaced the pretreatment filter for the Chromium Exchange tanks on January 11th and January 25th
- 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, January 11th
- Replaced all six gaskets for the Air Stripper, there are no leaks out of the unit. The unit was down from January 4th to January 7th
- Replaced 1.5A transformer fuse #19 in Air Stripper Panel on January 7th
- Replaced Discharge Pump Transformer in Air Stripper Panel on February 1st.

G. Other

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Tasks Planned:

H. Groundwater Monitoring Plan

- Continue to evaluate Monitoring Wells replacement needs.
- The 1st Quarter 2016 round of water-level and water-quality monitoring will be conducted.

I. Public Involvement Plan

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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 monitoring system continue to be repaired and upgraded.
- The remaining upper three gaskets will be replaced to remedy leaks.
- The required discharge report will be filed with the Office of the State Engineer.

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M. 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.
- 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 February 1st and February 22nd

N. Other

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O. Problems Encountered or Anticipated:

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By:

Tony Hurst
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