

March 14, 2014

Attention: Sandra Treccani
Washington State Department of Ecology
Eastern Regional Office
4601 North Monroe, Suite 202
Spokane, Washington 99205

RE: 2013 Annual Report - South Wilbur Site

INTRODUCTION

This annual progress report has been prepared by Lincoln County Public Works to document progress of maintenance, operations, and inspections at the South Wilbur Petroleum Contamination Site (site) located at Wilbur, Washington. The objective of this progress report is to communicate to Ecology a summary of the conditions, progress, and integrity of the various site components and implementation of the monitoring requirements contained in the Remedial Action Plan (RAP) for the site. This report provides a summary of all key activities implemented in the overall monitoring requirements and annual reporting requirements to summarize the condition of specific components of the Phytoremediation Barrier, Semi Impervious Gravel Surfacing, and Stormwater Controls implemented as part of the RAP for this site. This is the 5th annual progress report submitted to Ecology as outlined under the RAP. Future progress reports will be submitted annually pursuant to the RAP requirements.

SUMMARY OF ALL KEY ACTIVITIES

The following activities occurred during 2013.

1. Lincoln County Completed 5 Year Review of the Site. It was determined that additional remediation work was justified in an attempt to speed up site cleanup under new technologies.
2. Lincoln County let a Request for Proposals (RFP) for Chemical and Biological Remediation Services. Hart Crowser was selected in March 2013 to complete In Situ Remediation work at the site.
3. Initial Lance Injections were completed September 2013 with first round Slug Injections completed October 2013.

SUMMARY OF SITE CONDITIONS

The following provides a summary of inspections and monitoring performed on the various site components as outlined in the site operations and maintenance plan included in the RAP.

1. Institutional Controls:

- North and West Boundary fence remains in place and functional.
- Site signage remains in place and functional.
- Restrictive Covenants are recorded and in place.
- No problem areas identified.
- Monitoring will continue in 2014 in coordination with continuing remediation work.
- Recommend continuation of current practices and planned remediation work.

2. Monitoring Wells:

- Monitoring Wells were inspected during each Monitoring Event.
- Routine maintenance was performed on certain wells to insure well head components were accessible and functioning properly.
- Monitoring Wells remain accessible and functional.
- Injection Wells and Trenches were installed as necessary for the Remediation Work.
- Inspections will continue in 2014.
- Recommend continuation of current practices.

3. Phytoremediation Barrier:

- Plant growth within the Phytoremediation Barrier was monitored closely in 2013.
- Grasses planted continue to struggle and fill in to maturity.
- Russian thistle, Mustard, and other various weeds are also present.
- Formal grass and weed control is completed by mechanical weed whacker.
- Further planting at the site has been discontinued as agreed upon with DOE.
- Continue monitoring the vegetation that has survived in 2014.

4. Semi-Impervious Gravel Surfacing:

- Grade and drainage remains in-place, functional, and effective against infiltration.
- There are no signs of distress or settlement noted on or within excavated limits.
- There are normal signs of slight raveling and rutting in traffic areas outside the excavated limits.
- Traffic Areas will be bladed or rock raked to remove rutting when weather permits.
- No problem areas identified.
- Site was disturbed somewhat, but restored upon completion of lance injections, injection well and trench construction necessary for remediation work.
- Monitoring will continue in 2014.
- Recommend continuation of current practices.

5. Stormwater Control:

- Grade and elevations established under cleanup activities remains effective.
- Sheet flow dispersion remains functional and effective toward street drains, phytoremediation barrier, and natural dispersion to ground outside areas excavated during clean up activities.
- No problem areas identified.
- Monitoring will continue in 2014.
- Recommend continuation of current practices.

6. Good Housekeeping Practices:

- Equipment fueling operations are completed off site.
- Equipment maintenance and repairs are completed inside shop area.
- Oils and grease are stored inside buildings.
- Vehicle washing is completed over installed vehicle wash facility.
- Spill cleanup materials remain available on site.
- No problem areas identified.
- Monitoring will continue in 2014.
- Recommend continuation of current practices.

DELIVERABLES SUBMITTED

Deliverables to Ecology: A Summary Report of the First Round of Remediation Work submitted by Hart Crowser; This 2013 Annual Report and accompanying 2013 Annual Monitoring Event Report submitted by Budinger & Associates & Chemical & Biological Remediation Services Work Summary Report submitted by Hart Crowser.

SCHEDULE DEVIATIONS

There was one (1) schedule deviation in requirements for 2013. Budinger & Associates made a decision to postpone the 3rd quarter sample collection due to dry weather conditions and in consideration of Remediation work planned. Their experience has been that the wells are usually dry during 3rd quarter sampling.

DATA GENERATED

A groundwater monitoring report that documents results of the quarterly Monitoring Events and 2013 Annual Monitoring Summary completed by Budinger & Associates and Hart Crowser were finalized and submitted with this Report.

PLANNED ACTIVITIES AND DELIVERABLES

All current practices, as completed, appear adequate and consistent with requirements outlined in the revised RAP for the Wilbur Site. All current activities as summarized in this report will be implemented in 2014, with major planned activities summarized as follows:

1. Conduct quarterly groundwater monitoring events March, June, September and December or as adjusted to coincide with planned Slug Injections as part of the Remediation Work.
2. Conduct routine operations and maintenance activities as may be necessary.
3. Continue monitoring vegetation comprising the Phytoremediation Barrier. Consider whether willows that have not taken hold will ever survive on the North side of the site.
4. Prepare Quarterly Data & Annual Monitoring Event and Remediation Progress Report and submit to Ecology for review.
5. Prepare Annual Site Reports and submit to Ecology for review.



Please don't hesitate to contact me at (509) 725-7041 if you have any questions.

Respectfully submitted,

A handwritten signature in blue ink that reads "Richard Becker".

Rick Becker
Public Works Director

Enclosures: 2013 Monitoring Report - prepared by Budinger & Associates, Inc.

2013 Chemical and Biological Remediation Services Report – prepared by Hart Crowser