



Lincoln County

PUBLIC WORKS

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February 22, 2012

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

RE: South Wilbur Site Annual Reports

Dear Sandra Treccani,

Enclosed find the 2011 Annual Reports for the Wilbur Site. Included are the Annual Monitoring Report prepared by Budinger & Associates, covering sample collection and testing; and the Annual Site Report prepared by Lincoln County Public Works covering site and facility conditions.

Please don't hesitate to contact me if you have any questions about this progress report; current or future site activities. I can be reached at (509) 725-7041.

It is my understanding that these enclosed documents satisfy the annual reporting requirements outlined in the Final Remedial Action Plan for the Wilbur site.

Sincerely,

Rick Becker
Public Works Director

Enclosures: 2011 Annual Monitoring Report
2011 Annual Site Report

February 10, 2012

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

RE: 2011 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 2011.

1. Budinger & Associates performed quarterly Monitoring Event/Well Inspections in: 03/24/2011; 06/21/2011; 11/22/2011; and 12/28/2011.
2. Lincoln County completed a few minor ongoing repairs/maintenance to preserve Monitoring Well integrity.
3. Completed monitoring/inspection/review of Phytoremediation Barrier.
4. Willows replanted 2 years ago were monitored within Phytoremediation Barrier.
5. Continued to use and maintain automatic watering drip system to augment willow growth.
6. Preparation and submission of 2011 Annual Monitoring Report (Budinger & Associates).
7. Preparation and submission of 2011 Annual Site Report (Lincoln County Public Works).

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 2012.
- Recommend continuation of current practices.

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.
- There was a problem gaining access to one monitoring well during the December Collection Event. A Nativity Scene was placed over top of the well head and Budinger and Associates could not access the well.
- Inspections will continue in 2012.
- Recommend continuation of current practices.

3. Phytoremediation Barrier:

- Plant growth within the Phytoremediation Barrier was monitored closely in 2011.
- 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.
- Plant stress and mortality were noted in the willows on the north site boundary.
- It appears that the mortality rate continues despite our effort with irrigation and grass/weed control.
- Stressed willows are predominantly on the North site boundary.
- We will evaluate in spring to see how many willows have survived.
- Surviving and robust willows continue to branch out and thrive.
- The willows that are thriving and showing the most dramatic growth are found on the southwest corner of the site, adjacent to an area previously excavated due to potential contaminants.
- Recommend discontinuing any further action to replant willows at this site.
- Continue monitoring the vegetation that has survived in 2012.

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.
- Monitoring will continue in 2012.
- 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 2012.
- 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 2012.
- Recommend continuation of current practices.

DELIVERABLES SUBMITTED

Deliverables to Ecology: This 2011 Annual Report and accompanying 2011 Annual Monitoring Event Report submitted by Budinger & Associates.

SCHEDULE DEVIATIONS

There was one (1) schedule deviation in requirements for 2011. Budinger & Associates made a decision to postpone the 3rd quarter sample collection due to dry weather conditions. Their experience has been that the wells are usually dry during 3rd quarter sampling. This decision should have been approved by Department of Ecology prior to implementing. We will discuss this with Ecology to see if they may concur with this possible action in the future. Monitoring Events were completed with samples and data obtained March; June; November; and December 2011. Future Monitoring Events are currently scheduled to be completed quarterly in 2012. No quarter monitoring event shall be postponed without prior approval and/or authorization from DOE.

DATA GENERATED

A groundwater monitoring report that documents results of the quarterly Monitoring Events and 2011 Annual Monitoring Summary completed by Budinger & Associates was finalized and is submitted with this Report.

PLANNED ACTIVITIES AND DELIVERABLES

All current practices, as completed, appear adequate and consistent with requirements outlined in the RAP for the Wilbur Site. All current activities as summarized in this report will be implemented in 2012, with major planned activities summarized as follows:

1. Conduct quarterly groundwater monitoring events March, June, September and December.
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 Report and submit to Ecology for review.
5. Prepare Annual Site Report 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 "Rick Becker".

Rick Becker
Public Works Director

Enclosures: 2011 Monitoring Report - prepared by Budinger & Associates, Inc.