

Levee Zone Interim Action for Cleanup 2006 – As-Built Completion Report

**Former Maintenance and Fueling
Facility
Skykomish, Washington**

Volume 1 of 2: Text, Tables, Figures, and Appendices A – C

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July 2, 2007

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Former Maintenance and Fueling Facility Skykomish, Washington

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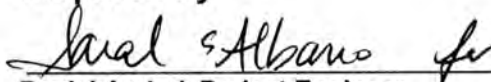
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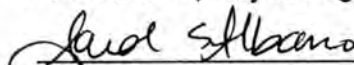
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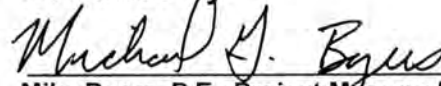
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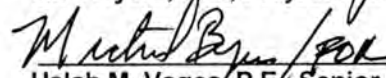
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July 2, 2007

Construction Completion Report Levee Zone Interim Action for Cleanup Skykomish Washington

Based on direct observation made by The RETEC Group, Inc. personnel, materials testing, laboratory testing and other construction documentation described in this report, it is the opinion of the undersigned that the portion of the Levee Zone cleanup action for the Skykomish Site that was completed in 2006 has been constructed in substantial compliance with the scope of work presented in the Agreed Order No. DE3279 and the intended design presented in the *Engineering Design Report – Levee Zone Interim Action for Cleanup* (RETEC, 2006a) and *Plans and Specifications for Skykomish Levee Remediation* (RETEC, 2006b). The 2006 portion of the cleanup described herein was completed, and the material and data in this report were prepared, under supervision and direction of the undersigned. The 2007 Interim Action work will be documented in a separate as-built report.

The RETEC Group, Inc.



Michael G. Byers, P.E.
Project Manager

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1 Introduction

This document presents the 2006 As-Built Report for the Levee Zone Interim Action for Cleanup for the BNSF Railway Company's Former Maintenance and Fueling Facility located in Skykomish, Washington. The Levee Zone includes work in the South Fork Skykomish River, on the levee, and a portion of the uplands "Northwest Developed Zone." These areas encompass the "Project Area" used throughout this document. Figure 1-1 shows the project area location.

This work was performed by the BNSF Railway Company (BNSF) at Washington State Department of Ecology's (Ecology) direction pursuant to Agreed Order No. DE3279 (AO). BNSF began design, access, and permitting work in 2005 prior to the issuance of the AO so that remediation of the Levee Zone could begin in 2006 as the initial phase of a final cleanup action for the overall site.

The purpose of this as-built report is to document cleanup activities completed as part of the Interim Action for Cleanup in 2006. The construction activities described herein were performed from June 8, 2006 through December 31, 2006. Work completed in 2007 will be described in a separate as-built report.

The remedial actions performed in 2006 included temporary relocation of five residences, excavation of the levee, underlying soils and sediments along the south bank of the South Fork Skykomish River, reconstruction of the levee, and partial restoration of natural resources, private property and public infrastructure that were disturbed by the remedial action. While some of the restoration work was completed in 2006, much of the restoration remained to be completed in 2007. Restoration actions completed in 2006 include replacement of house foundations, design, permitting, and installation of replacement septic systems for the temporarily relocated residences, a replacement stormwater sewer system, and replacement of the levee itself.

1.1 Report Organization

This report is organized into nine sections and eighteen appendices as follows:

- Section 1 – Introduction
- Section 2 – Project Management and Organization
- Section 3 – Description of the Remedial Action
- Section 4 – Permitting
- Section 5 – Site Preparation
- Section 6 – Remediation Activities
- Section 7 – Restoration
- Section 8 – Summary and Conclusions
- Section 9 – References

- Appendices to this completion report include the following:
 - A. Appendix A RETEC Weekly Reports
 - B. Appendix B Construction Daily Reports
 - C. Appendix C Construction Photographs
 - D. Appendix D Permits
 - E. Appendix E Discharge Monitoring Reports and Notification of Potential Noncompliance
 - F. Appendix F Well Abandonment Forms
 - G. Appendix G House Moving
 - H. Appendix H Landscape Plans
 - I. Appendix I DVDs Containing:
 - Air and Noise Data
 - Landscape Plan Photos
 - Weather Data
 - School Survey Video (on two DVDs)
 - J. Appendix J EDR Modifications
 - K. Appendix K Contractor Submittals
 - L. Appendix L Property Line Surveys
 - M. Appendix M Turbidity Observation Log Sheets
 - N. Appendix N Agreed Order Extensions
 - O. Appendix O Technical Memorandum – Results of Archaeological Monitoring, Interim Action for Levee Zone Cleanup in Skykomish, King County, Washington by NWAA
 - P. Appendix P Compaction Testing Results
 - Q. Appendix Q Validation Report for Soil Sampling
 - R. Appendix R November 2006 Flood Designation.

2 Project Management and Organization

The RETEC Group, Inc. (RETEC) was retained by BNSF as the Engineer for the project. RETEC prepared the construction documents, oversaw the remediation activities, and served as a liaison between BNSF, subcontractors, the Town, and local stakeholders. Ecology provided regulatory oversight. A brief description of each contractor's role is described below.

- Wilder Construction Company – General Contractor completing excavation, backfill and grading of excavation and topsoil, loading of excavated materials for disposal, water treatment, and infrastructure reconstruction
- D.B. Davis, LLC – House moving, residential restoration, and septic system reconstruction
- Boart Longyear/Holt Drilling, Inc. – Well decommissioning
- NRC Environmental Services – Oil recovery, containment and control
- Argus Pacific – Air and Noise Monitoring Plan development and implementation
- AAA Drainfield Designs – Replacement septic system and drainfield design and permitting
- Rabanco/Allied Waste – Waste disposal
- Wave Trek Rescue – On call for in-river spill response
- KPG – Civil engineering design of stormwater sewer system
- Snyder Hartung Kane Strauss (SHKS) Architects – HABS/HAER surveys of historic buildings
- Pillar to Post – Pre-move house inspections
- Glasswater Media – Videography of school structural survey
- EnviroIssues – Public outreach for overall project
- Test America – Soil and water analytical testing using both fixed base and mobile laboratories
- Bush Roed and Hitchings, Inc. (BRH) – Surveying

- Grette and Associates – Biological consultants assisting with permitting, fish recovery, and levee habitat design
- RMCAT – Residential asbestos abatement for relocated residences
- Dr. Saad Moustafa, P.E. – Structural engineer for school structural survey
- EMR, Inc. – Hazardous materials assessment of building to be demolished
- IRS Environmental – Residential asbestos abatement of building to be demolished
- NVL Laboratories – Hazardous materials assessment of relocated residences
- Securitas – 24-hour security for house storage.

In addition, BNSF transported excavation spoils to Rabanco via rail for disposal.

As the general contractor, Wilder retained the following subcontractors:

- Best Parking Lot Cleaning – Periodic sweeping services
- CCI Analytical Laboratories – Soil and water analytical testing
- Clearcreek – Residential demolition and underground storage tank removal
- Conoco Pumping – Subcontractor for telebelt used to fill coffer dam flexible intermediate bulk containers
- Dirtworks – Divers to assist in placement of liner and diversion structure in the river
- Evergreen Sanitation – Septic pumping subcontractor
- Mayes Testing Engineers – Compaction testing of backfilled material
- Milba-Pita – Geotechnical engineering and retaining wall design
- Marine Vacuum – Waste fluid disposal
- Water Tectonics – Water treatment design.

3 Description of Remedial Action

The remedial design was implemented in accordance with the Washington Administration Code (WAC) 173-340--430 – Interim Actions. The remedial action consisted of the excavation of soil and sediment from the Levee Zone within and adjacent to the South Fork Skykomish River. Excavation included the removal of all soil and sediment exceeding site-specific cleanup levels and remedial levels, at the locations for which they apply (see Section 6.6).

The excavation area extended west from the 5th Street Bridge by approximately 750 feet, and included the levee and sediments along the levee, and soils approximately 135 feet landward of the levee as shown in Figure 3-1. This excavation removed parts of the existing stormwater sewer system of West River Road, 5th Street and 6th Street as well as the existing septic systems serving four of the residences in the cleanup area.

Excavation depths varied based on the depth of impacted soil with the maximum excavation depth about 16 feet below the pre-excavation ground surface. During the remedial action, BNSF submitted weekly progress reports as required in the AO. These reports are presented in Appendix A. RETEC documented daily activities in Construction Daily Reports, which are in Appendix B. Photographs showing construction activities are presented in Appendix C.

3.1 Levee Removal

The primary flood control levee for the town of Skykomish was located within the excavation area. The levee was removed starting on June 26, 2006 at the start of the excavation activities. Upon completion of the excavation, the levee was re-built to the original height and the same approximate footprint. Levee reconstruction, through December 31, 2006, included a three foot thick armor rock layer on the waterward side of the levee, large woody debris and a two-foot-high ledge at the toe of the levee for habitat enhancement. A retaining wall was constructed during 2007 along the south side of the levee to allow West River Road to be widened to meet King County Road Standards. Native vegetation above the ordinary high water mark will be planted in 2007 consistent with the *Levee Planting Plan and Monitoring Program* that was part of the Biological Evaluation Addendum submitted to the Corps of Engineers (Grette Associates, 2005). Table 3-1 lists all of the plans referenced in this As-Built Report and details whether or not the plan was submitted as a stand-alone document to Ecology or as an appendix to another report.

3.2 Uplands Excavation

The uplands excavation area extended approximately 135 feet landward (south) of the levee. This area included five buildings that were relocated

prior to the excavation activities and subsequently replaced upon completion of the cleanup. The affected residents were relocated while cleanup was ongoing. The area also contains utilities, individual septic systems and drainfields for the residences, and roads and sidewalks. The entire aforementioned infrastructure was removed or relocated during excavation and was restored following completion of cleanup activities as detailed below.

The south and east boundaries of the excavation are the upgradient boundaries across which petroleum contamination remained. A temporary barrier was placed along the upgradient boundary to reduce the potential for recontamination of the clean backfill in the Levee Zone.

The in-river excavation extended about halfway across the South Fork Skykomish River. All activities below the ordinary high water mark were conducted within the regulatory fish window and coincided with relatively low water levels in the South Fork Skykomish River. A cofferdam was constructed around the excavation area prior to the start of the excavation to divert the river flow around the excavation and to protect the excavation from potential flooding during a freshet. Oil recovery booms were deployed outside the cofferdam and water was pumped from the excavation area to reduce the possibility of oil loss from the excavation into the river.

3.3 Reconstruction and Restoration

Upon completion of excavation, reconstruction and restoration included backfilling excavation areas, reconstructing the levee, replacing the stormwater system, rebuilding foundations, garages, outbuildings, septic systems and drainfields, moving the buildings back to their original locations and restoring and reconnecting the utilities. Existing roads within the Project Area were restored to allow use, although additional enhancements will be made to West River Road so that it meets King County Road Standards.

Restoration activities that were scheduled to be completed after December 31, 2006 include:

- Residential sidewalks and driveways
- Sidewalks, curbs, and final paving of streets
- Irrigation along the planters on the levee
- Topsoil placement and landscaping on the levee or residential properties
- Installation of the retaining wall, railing, ramps, overlook, and steps.

4 Permitting

The Levee Zone Interim Action for Cleanup work performed by BNSF required the following permits:

- Nationwide Permit 38 (NWP)
- Hydraulic Project Approvals (HPA)
- Temporary Water Use Authorization
- National Pollution Discharge Elimination System (NPDES) permit
- King County Permit for Septic Drainfield.

Copies of all permits have been included in Appendix D.

In addition to the required permits, BNSF was required to satisfy the substantive requirements for the following permits:

- Town, County, and State Permits
- Permit to Discharge Industrial Wastewater to Groundwater – Minor Modification to Agreed Order DE-2379
- King County Special Use Permit for Levee Cleanup Project.

4.1 Nationwide Permit 38

The Department of the Army, Seattle District, Corps of Engineers, authorized the excavation/dredging work performed on the contaminated portions of the South Fork Skykomish River and adjacent shorelines in accordance with the Nationwide Permit, NWP 38 #200500328 issued on June 26, 2006.

4.2 Hydraulic Project Approval (HPA)

Washington Department of Fish and Wildlife (DFW) required permit provisions for work related to the Skykomish River and wildlife. The HPA provisions were specified in response to a request by BNSF to temporarily divert river water to the water treatment plant for leak testing to initially charge the on-site water treatment system and conduct the removal and replacement of 650 feet of the left bank levee on the Skykomish River. The initial HPA was issued on June 28, 2006 and it was modified several times to allow work to continue through September 15, 2006.

4.3 Temporary Water Use Authorization

On June 28, 2006, the Washington State Department of Ecology Water Resources Program authorized a request from BNSF to appropriate water from the South Fork Skykomish River to initially charge the wastewater treatment system. The purpose of this Authorization was a one time diversion of river water to initially charge the system. This authorization was modified on July 10, 2006 to allow water withdrawals through July 21, 2006.

4.4 NPDES Waste Discharge

Ecology issued a permit under the National Pollutant Discharge Elimination System (NPDES) program on May 4, 2006 to regulate the discharge of potential pollutants into the state's surface waters. As detailed in the *Engineering Design Report* (EDR- RETEC, 2006a), the Levee remedial action required discharge of treated wastewater into the South Fork Skykomish River and, therefore, required an Individual NPDES permit.

A NPDES application was submitted by BNSF to Ecology on October 3, 2005, along with a *Draft Engineering Report* on July 20, 2005 and an *Addendum to the Engineering Report* on November 9, 2005 (RETEC, 2005a and b). Ecology issued NPDES Permit No. WA-003212-3 to BNSF on May 4, 2006 after public comment and amended it on August 15, 2006. The permit expires in May 2011. Permit modifications were:

- Clarification of the language in S1.B of the permit
- Addition of a new section, S1.I, Compliance with Standards in the permit
- Updating the title of S3.E to read Noncompliance Notification, and updating of standard language in that section
- Replacement of language in S5, Chitosan Dosage Rate and Operation, to allow flexibility to choose among two approved chitosan products
- And removal of the words “or discharge” from the end of the second sentence in the first paragraph of S9, Stormwater Pollution Prevention Plan.

BNSF satisfied the requirements of the NPDES permit including the preparation and implementation of a *Stormwater Pollution Prevention Plan* (SWPPP-RETEC, 2006c) and *Operations and Maintenance Plan* (Wilder, 2006b); discharge monitoring and monthly preparation of and submittal of Discharge Monitoring Reports to Ecology. Notification of potential

noncompliance with the NPDES permit was submitted to Ecology on September 14, 2006, because on September 11, 2006, turbidity of discharge water may have exceeded the permit limit (Appendix E).

4.5 Substantive Requirements for Town of Skykomish

The Town of Skykomish provided a list of substantive requirements that were required to be met by the project per the AO to comply with their Land Clearing permit, Right of Way Use permit, and grading permit. Roadways were designed using King County, Washington Road Standards, which were adopted by the Town. New residential structure work was completed in accordance with the International Residential Building Code.

4.6 Permit to Discharge Industrial Wastewater to Groundwater – Exhibit J of Agreed Order DE-2379

BNSF submitted an informational permit application to Ecology on October 24, 2006 to discharge industrial wastewater to groundwater on some portions of the rail yard. This permit allowed for the NPDES permitted wastewater treatment system used at the South Fork Skykomish River to be moved to the railyard and used specifically for treating stormwater runoff from contaminated soil stockpiles. On November 22, 2006, Ecology issued the substantive requirements of this permit as a minor modification (Exhibit J) to the AO.

4.7 King County Special Use Permit for Septic Drainfield

Replacement septic systems were designed in accordance with current King County standards and submitted to Public Health Seattle & King County (PHSKC) review board for permitting. Permits to construct the septic systems were granted by PHSKC on a temporary basis. Although the systems are designed to operate for a standard new septic system life time, PHSKC issued temporary permits as a means to require homes to connect to the community wastewater facility when it becomes available. Copies of the permits to construct septic systems are included in Appendix D.

4.8 King County Special Use Permit S-64-06

BNSF submitted an informational permit application to King County on April 5, 2006 to satisfy the substantive requirements for a Special Use Permit for the Levee Cleanup Project. King County issued a draft Special Use Permit S-64-06 to perform contamination cleanup activities on July 18, 2006. A copy of

this draft permit which includes the substantive requirements is included in Appendix D. BNSF is corresponding with the county to resolve outstanding issues related to the substantive requirements.

5 Site Preparation

Site preparation activities performed prior to excavation and backfill operations included:

- Pre-construction and weekly meetings
- Decommissioning 14 groundwater monitoring wells and 7 petroleum product recovery wells
- House relocation and utility removal
- House demolition
- Installation of temporary facilities and controls including fencing, job trailers, staging areas, and access roads
- Installation of temporary erosion and sedimentation controls (TESC)
- Clearing and grubbing of the excavation area
- Preparation of the Former City Burn dump for use as a clean soil stockpile area
- Water treatment facility (WTF) and outfall construction
- Waste management area preparation.

Each of these activities is discussed below. The construction site layout is included on Figure 3-1.

5.1 Pre-Construction and Weekly Meetings

A pre-construction meeting with Wilder, Ecology, and RETEC was held on June 20, 2006. This meeting was held to discuss the contractor's approach to the work, submittal procedure, weekly meetings, communication, and general construction schedule. Weekly construction meetings were held to discuss weekly construction activities. Meetings took place in onsite trailers. In addition, weekly meetings were held with Ecology and Town personnel generally after the weekly contractor meetings and at the same location.

Design meetings starting on January 12, 2005 included representatives for the Town, Ecology, BNSF, and King County. These meetings were held monthly to bi-weekly to obtain input from all stakeholders so that major design decisions regarding the interim action were made collaboratively. Design

meetings were held until April 27, 2006 when major design considerations for the levee had been agreed upon.

5.2 Well Decommissioning

Fourteen groundwater monitoring wells and seven petroleum recovery wells were located within the footprint of the interim action excavation (Figure 5-1). The recovery wells were decommissioned by removing the 8-inch steel casing, overdrilling and sealing the borehole with bentonite chips. The groundwater monitoring wells were decommissioned by filling the 2-inch PVC casing with bentonite chips to within 5 feet of ground surface. No groundwater monitoring wells extended beyond the base of the excavation. All casing was removed during the excavation.

Holt Drilling (now Boart Longyear) decommissioned and abandoned the wells in accordance with WAC 173-160-381 from June 19 through June 22, 2006. Well abandonment logs are located in Appendix F.

5.3 House Relocation

Houses located within the excavation area were temporarily relocated during cleanup activities. House relocation consisted of the temporary relocation of five houses and ancillary structures from their current locations. Following remediation activities the structures were returned to their original locations and placed on new building foundations/slabs. Residents were moved into temporary housing for the duration of the remediation effort. Figure 3-1 shows the temporary storage area for the house structures.

The process for the housing relocation included the following tasks and planning:

- Obtaining all required permits and satisfying substantive requirements.
- Preparation of a Health and Safety Plan (Appendix G).
- Hazardous materials analysis and asbestos abatement.
- Shutting off and disconnecting utilities at each house.
- Rigging plans were developed for each building (Appendix G). Excavation was performed beneath the houses and through their foundations to provide an entry way for inserting support beams that were required to lift the houses. The houses were moved on these beams, and remained on the beams until they were moved back to their original locations and placed on top of new foundations. Extensive dry rot was identified on the Teachers

Cottage once the foundation of the house was exposed, necessitating extensive interior cribbing and blocking to allow safe movement of the house. Other unusual or special conditions were addressed on a house-specific basis prior to building relocation.

- Identifying and temporarily relocating overhead utilities along the designated transportation corridor, coordinating with Town of Skykomish and other affected utility owners and users for the relocation moves, and providing traffic controls.
- Fencing in and protecting structures during storage. BNSF hired a security company to secure the relocated houses during storage.
- Design, permitting, and construction of standard concrete foundations that matched the pre-existing foundation for each house.
- Restoration of all ancillary appurtenances, such as driveways, walkways, etc.
- Repair and cleaning (e.g., pressure washing) of relocated house exteriors.
- Relocation schedule as outlined in Exhibit E of the Agreed Order and minor modifications to the Agreed Order.

5.3.1 Pre-Move Inspection and Walk-Through

A pre-move inspection of all structures to be relocated was performed to obtain information necessary to prepare individual rigging plans for each structure. In addition to a “walk-through” inspection with the homeowner to document interior and exterior pre-move conditions, Pillar to Post conducted home inspections for the Mitchell East, Mitchell West, Mackner, Moore, and the Teacherage properties. Pillar to Post personnel inspected the homes and all major components in the homes, and documented any damage through photographs and notes taken during the inspection. The inspection included evaluating the exterior surfaces, garage, roof structure, attic, electrical service/panel, heating/cooling/ventilation, plumbing components, laundry room, fireplaces, bathroom, kitchen, living room, dining room, bedrooms and interior of each house. The inspections were limited to conditions that were visible on interior or exterior walls, ceilings, and roofs. The report prepared by Pillar to Post is included in Appendix G.

5.3.2 Historic Buildings – Monitoring, Protection and Documentation

In accordance with the National Historic Preservation Act (NHPA)¹, resources protected under Section 106 of the NHPA were identified during planning for the cleanup. These resources were listed in the *Environmental Impact Statement* (EIS, RETEC, 2006d) that was prepared under the State Environmental Policy Act (SEPA).

Northwest Archaeological Associates, Inc. (NWAA) prepared a *Cultural Resources Monitoring and Discovery Plan* on May 1, 2006. The plan was reviewed by Ecology, the King County Historic Preservation Program, and the Washington State Department of Archaeology and Historic Preservation (DAHP). Following agency comments, NWAA issued a Technical Memorandum (NWAA, 2006) on June 21, 2006, which contained the Monitoring and Discovery Plan in an appendix.

Five residential buildings were located in the work area and required relocation during excavation and backfilling. Three of these five buildings are of historic significance; these are (1) the Teacherage, (2) the Mackner house and (3) the Moore house.

The Teacherage lies within a National Register district called the Skykomish Historic Commercial Zone. Although neither permanent relocation nor substantive changes were anticipated, the historic significance of the Teacherage was documented following Historic Building/Historic American Engineering Record (HABS/HAER) standards by SHKS Architects (SHKS, 2007a).

The Mackner and Moore houses are within the Washington Heritage Register Historic Commercial Zone. Although neither permanent relocation nor substantive changes were anticipated, SHKS Architects were retained to prepare DAHP Level 2 Surveys for the two houses (SHKS, 2007b). The SHKS survey reports have been submitted to Ecology, DAHP, and King County Office of Historic Preservation under separate cover.

5.3.3 Demolition

Site preparation demolition work included demolition of surface and subsurface structures as well as a residential structure. The residential

¹ The project was subject to the provisions of the NHPA as amended in 2000 (P.L. 106-355: 16 U.S.C.470) because federal permits were issued for some of the cleanup activities. The NHPA requires that agencies identify and assess the effects of federally permitted or approved undertakings on historic resources, archaeological sites, and traditional cultural properties (TCPs) and to consult with others to find acceptable ways to avoid or mitigate adverse effects.

structure owned by BNSF (tax no. 506080-0070-04) was demolished on June 8, 2006, prior to excavation, to facilitate construction traffic flow.

Demolition of surface and subsurface structures included the removal of house foundations, asphalt roadway, storm drainage, and septic structure. Debris from the above-ground structures found above the Vertical Delineation Limit (VDL)² were loaded into trucks and hauled to the offsite disposal location. Debris from below ground structures both above and below the VDL was loaded into sealed side-dump trailers, hauled and stockpiled at the waste management area and then loaded into railcars for offsite disposal.

5.3.4 Hazardous Materials Analysis and Asbestos Abatement

NVL Laboratories performed a hazardous materials analysis on the crawl space or basement of each residential structure that was to be relocated to evaluate the working areas for house relocation workers. Minor abatement of asbestos-containing material was required on concrete tile skirting surrounding the Moore residence, and on pipe and utility insulation found on the Teacherage. Asbestos-containing material was safely removed by a certified abatement contractor (RMCAT) and disposed of in a State-approved asbestos disposal facility (Appendix G).

ERM Incorporated performed a hazardous materials analysis on the BNSF owned residential structure prior to demolition. IRS Environmental, a certified asbestos contractor, removed the asbestos-containing material for disposal at a State-approved asbestos disposal facility (Appendix G).

5.3.5 Reconfiguration of Utilities

Utility services were removed from the street or nearest common service locations and disconnected from the houses prior to relocation. When necessary, the service was reconfigured prior to removal to ensure uninterrupted service to nearby remaining properties.

5.3.6 Landscape Plan

Landscape conditions were documented prior to construction activities to facilitate restoration activities after the remediation was complete. Appendix H includes the landscape plans for the project area as they were prior to construction. Home owners and the School opted to accept monetary compensation in lieu of BNSF completing landscape replacement in 2007. Video documentation is also included on DVD in Appendix I.

² VDL – The vertical delineation line. Material above it was not contaminated, whereas material below it had the potential for contamination.

5.4 Temporary Facilities and Controls

Temporary facilities and controls for the remediation portion of the project were provided by Wilder and included:

- Job site trailers with electricity, first aid kits, fire extinguishers, telephone lines with high-speed internet access
- Portable restrooms
- Installation of a temporary roadway for truck access through the site and to the waste management area
- Construction of water treatment facility.

Upon initiation of excavation and transport work Wilder provided additional controls including:

- Perimeter warning signs that were installed at various locations along the perimeter of the project area.
- Exclusion zone signs posted on the perimeter of the exclusion zone.
- Fencing along the perimeter of active excavations. Fence posts along the south side of the railyard were removed and replaced with a fence that is further to the south, closer to the BNSF property line.
- Traffic control signs were posted at the west end of the project at two locations along the new access road. In events that warranted additional traffic control signage to maintain a safe work area, flaggers were used or Wilder used additional traffic control signage.

5.5 Temporary Erosion and Sedimentation Controls

5.5.1 Silt Fencing

Silt fencing was installed around the perimeter of the excavation area as shown in the *Sediment and Erosion Control Plan* (Drawing No. C-7 of the Specifications (RETEC, 2006b)). Approximately 1,200 linear feet of silt fence were installed. Wilder and RETEC regularly inspected the silt fence and other temporary erosion control measures in accordance with the *Stormwater Pollution and Prevention Plan* prepared in accordance with the NPDES and submitted on June 28, 2006 (RETEC, 2006c), and the project plans and

specifications (RETEC, 2006b). Wilder performed repairs to the silt fence as needed.

5.5.2 Cofferdam

The purpose of the cofferdam was to provide a protective barrier between the Skykomish River and its aquatic life, and the impacted sediment excavation activities associated with site remediation. Wilder chose to construct a diversion dam a few feet upstream of the upstream end of the cofferdam to divert flowing water away from the area where the cofferdam was to be constructed. The diversion dam consisted of two rows of large interlocking concrete blocks stacked two blocks high on the river bottom.

A silt curtain was installed around the cofferdam area prior to installation of the cofferdam in an attempt to help control turbidity and detrimental environmental affects. The silt curtain was anchored to the diversion structure near the upstream end of the site, and single concrete blocks placed in the river downstream of the diversion structure.

The cofferdam was constructed after the area was contained by the diversion structure and silt curtain. The cofferdam consisted of two parallel structures (primary and secondary cofferdams) wrapped with a PVC liner, as detailed in the EDR construction design drawings and minor site modification No. 1 approved by Ecology (see Appendix J).

Cofferdam installation consisted of filling flexible intermediate bulk containers (FIBCs) with rounded gravel smaller than 3 inches in size. The bags were generally filled in place using a conveyor system that transported the bag filling aggregate from shore to the bag location in the river. Cofferdam construction began on the upstream side of the site, and proceeded downstream with both primary and secondary cofferdams being constructed at the same time.

The portion of the riverbank contained by the cofferdam was divided into three cells (cell 1 furthest upstream, cell 2 center, cell 3 downstream) using Aqua-Barriers™ (water-inflated portable dams), or interior rows of FIBCs to further divide the excavation area and to help isolate the remediation area from the river. River sediment excavation began July 20, 2006 after the installation of primary and secondary cofferdams at the eastern end of the isolated river bank in cell 1. The downstream edge of the cell 1 was bounded by an Aqua-Barrier™ before excavation commenced.

In accordance with the HPA issued by the Washington State Department of Fish and Wildlife (DFW), fish contained within the isolated portion of the riverbank inside by the cofferdam were collected, documented, and placed in the main channel of the South Fork Skykomish River. Fish seining was performed with nets, and electroshocking of fish was performed at the

direction of DFW to collect as many of the trapped fish as possible. The number and types of fish that were recovered or died during these operations are summarized in Table 5-1.

5.6 Clearing and Grubbing

Vegetation was cut off at the ground level so that above ground and below ground material could be segregated. Above ground vegetation was removed to an offsite recycling facility. Below ground roots and other grubbing debris were transferred to the waste management area on the rail yard and included in the waste that was transported offsite to Rabanco.

5.7 Waste Management Area

Soil and structures excavated from below the VDL and impacted material identified above the VDL were hauled to a temporary holding area on the railyard called the waste management area. The contaminated soil stockpiled in this area was subsequently loaded into trucks or trains for offsite disposal. Wilder constructed the waste management area so that a clean, one-way roadway could be used by the side-dump trucks used to haul waste soil/sediment through town. Trucks would drive to the dump area, dump into a depressed area so that any splashing was contained in the handling area (and not on the trucks), and drive out of the area without coming in contact with impacted soil or water as detailed in the *Technical Execution Plan* (Wilder, 2006a), included in Appendix K.

The waste management area was graded such that all water draining from the stockpiles would collect in one contained area. Water was then pumped from this contained area to on-site water storage tanks and treated by the water treatment facility (WTF). To allow for better collection of the water, the 6 inches of base course identified in the construction details was replaced with 3 inches of base course covered with 3 inches of hot mix asphalt. The asphalt also provided the added benefit of resisting wear from heavy equipment and traffic. Pressure washers were used as needed to decontaminate trucks and equipment. Decontamination water was collected separately by Marine Vacuum and disposed of at an offsite treatment facility approved to handle the wastewater.

5.8 Former City Burn Dump

The Former City Burn Dump was leased for use as a clean soil stockpile and rock crushing area. The Former City Burn Dump is an area that reportedly had historically been used by the Town of Skykomish for burning trash. Portions of the property were cleared and minor grading operations were performed to level the ground surface. Riprap which had passed visual inspection, oversize material from the screening process which had passed visual inspection, and clean imported backfill material were stored at the

dump. Clean oversize material from the screening process was crushed for use as stabilization fill in the uplands area.

5.9 Water Treatment Facilities

Two water treatment facilities (WTF) were constructed during the Levee Zone Interim Action for Cleanup. The primary WTF (Figure 5-2) was designed to provide continuous treatment of water pumped from the excavation areas and was located near the South Fork Skykomish River in a lined facility. The system was operated in accordance with the NPDES permit and water was discharged to the South Fork Skykomish River. Water treatment was consistent with the processes outlined in the *Draft Engineering Report* (RETEC, 2005b) and in accordance with the *Operations and Maintenance Manual* (Wilder, 2006b). The maximum discharge rate under the NPDES permit was 1,000 gpm, and the nominal treatment capacity of each of the two treatment trains was 500 gpm. Treatment capacity was reduced at times when sand filter backflushing occurred, or when maintenance was performed.

Once backfilling activities above the water table (and therefore dewatering/gradient control) activities were completed, a smaller (300 gpm) secondary water treatment facility was constructed at the waste management area on the railyard to treat stormwater runoff from stockpiled soil (Figure 5-3). Treatment consisted of gravity settling, oil/water separation, sand filtration and carbon adsorption. Treated stockpile runoff water was discharged to the land surface and allowed to infiltrate in an area east of the stockpile (Figure 5-3) in accordance with Exhibit J of the AO. The discharge limit for this treatment operation was limited by the maximum allowable hydraulic loading rate to the land surface application area.

All wastewater resulting from equipment decontamination on the railyard was stored onsite and disposed of at an off-site licensed disposal facility by Marine Vacuum (Appendix K). Water resulting from stormwater that was collected in the impacted soil handling area prior to construction of the secondary water treatment facility on the railyard was pumped to tanks and hauled to the primary water treatment facility for treatment and discharge to the river.

5.9.1 Water Treatment Facility Outfall Construction

Treated water was discharged to the South Fork Skykomish River immediately adjacent to the primary water treatment facility. The original location and design of the WTF outfall was modified at the recommendation of the general contractor based on flow patterns observed in the river at the time of construction. The outfall and dissipation structure consisted of a 24-inch diameter corrugated metal pipe that the general contractor had modified by removing the top half of the pipe and adding discontinuities to the flowline of the pipe to agitate the discharge water, thus increasing dissolved oxygen to permit-required levels. The point of discharge was 15 to 20 feet north of the

riverbank near the WTF, consistent with Condition S1.G of the NPDES permit. Ecology field personnel verbally approved the outfall location and the modified outfall design before any water was discharged.

6 Remediation Activities

This section details the remediation activities that were performed in 2006 for cleanup of the Levee Zone in Skykomish.

6.1 Surveying

Topographic surveying of the site and river bottom was completed concurrently with remedial investigation activities some time before the levee cleanup began. Control points were set at the time of the early surveys and the surveys were tied into control points outside the project area. Wilder was responsible for survey control of the remediation activities including proper location of all new site features such as storm drains, streets, sidewalks and the new levee. RETEC retained BRH (the surveyor who completed the previous site survey work) to perform periodic checks during construction, and to re-establish the site control points at the start of the remediation. Wilder utilized survey-grade global positioning system components to quickly locate features in the field based on site drawings that had electronically been input into their system. Prior to allowing use of the high accuracy system, Wilder demonstrated accuracy of the system by physically going to all of the control points set by BRH and reading the output of their system in comparison to the recorded coordinates and elevation of the control points. This was completed to the satisfaction of RETEC. Use of the GPS survey equipment was considered integral in the contractor's ability to quickly determine location of a site feature, or a proposed excavation contour once all of the surrounding site features had been cleared from the area to allow construction.

Property line surveys were performed by BRH for all of the affected properties prior to construction. These surveys were used to determine the location of property lines in relation to new site features such as sidewalks, curbs, roadways, and utilities. Property line surveys and the coordinates for the property corners are included in Appendix L.

Survey control points were installed on the northern portion of the school's foundation by BRH to facilitate monitoring of the structure for movement during remediation activities to address concerns raised by King County's Historic Preservation Program and DAHP. The locations of survey control monitoring points are shown in Figure 6-1. The school was surveyed before, during and after nearby excavation of soil to demonstrate that the school foundation did not move as a result of the adjacent deep excavation work. The survey data for monitoring events on September 6, 2006 and September 12, 2006 are summarized in Table 6-1.

6.2 Monitoring

6.2.1 Air Monitoring

Argus Pacific was retained to perform air monitoring in accordance with the *Air and Noise Monitoring Plan* (Argus Pacific, 2006). Air monitoring was conducted at three stations; these stations were located; (1) downwind of the active excavation area; (2) downwind of the soil stockpile area on the railyard; and, (3) at the Skykomish School.

Air monitoring was performed to measure and record the concentrations of respirable dust, lead, arsenic, petroleum hydrocarbons, diesel particulate matter and polycyclic aromatic hydrocarbons (PAHs). Tables 6-2 through 6-6 summarize the air monitoring on a weekly basis. All sampling and methodology was completed in accordance with the *Air and Noise Monitoring Plan* (Argus Pacific, 2006) with the following exceptions:

- Air monitoring inside the school began when classes started, the week of September 11, 2006
- The second respirable dust monitoring station was set-up the week of August 14, 2006
- One of the air monitoring stations was moved to the east side of the railyard the week of October 9, 2006.

The monitoring data and exposure limits are provided below. All samples were collected downwind of the active excavation area, downwind of the stockpile staging area (summer months only for the contaminants of concern), and at the Skykomish School while it was in session. Argus Pacific tabulated and summarized the air monitoring data and submitted it in weekly reports to RETEC. RETEC subsequently submitted the reports to Ecology, and summaries of the reports were posted on the cleanup website that EnviroIssues maintained for the duration of the project.

The first samples were collected on June 1, 2006 and air monitoring continued through the week of November 3, 2006. Further details of the analyses are presented below.

- Lead was sampled for twice weekly using an SKC pump calibrated to a flow rate of approximately 2 liters per minute. The media used was a mixed cellulose ester fiber filter in a 37 mm cassette. The action level was $30 \mu\text{g}/\text{m}^3$, and the DOSH PEL was $50 \mu\text{g}/\text{m}^3$. These data are summarized in Table 6-2.

- Arsenic was sampled twice weekly using the same method and equipment as the lead sampling. The DOSH PEL was $10 \mu\text{g}/\text{m}^3$. These data are summarized in Table 6-2.
- Petroleum hydrocarbon concentrations were assessed through the collection of air samples for submittal to a laboratory for analysis. Samples were collected and analyzed in accordance with NIOSH Method 1550 for naphthas. Air was sampled twice weekly using a SKC pocket pump calibrated to a flow rate of 0.2 liters per minute with a sampling media of a solid sorbent tube. The Washington State DOSH does not currently have PELs for diesel fuel, fuel oils, or heavy-end petroleum hydrocarbons. The ACGIH has established a threshold limit value (TLV) for diesel fuel, as total hydrocarbons of $100 \text{ mg}/\text{m}^3$. These data are summarized in Table 6-3.
- Diesel particulate (diesel exhaust) samples were collected at least once a week using an SKC pump calibrated to a flow rate of 2 liters per minute. The sampling media was a jeweled impactor with a quartz fiber filter. The TLV was $20 \mu\text{g}/\text{m}^3$. These data are summarized in Table 6-4.
- Polycyclic aromatic hydrocarbons (PAHs) were sampled once weekly. The sampling equipment included an SKC universal pump calibrated to a flow rate of 2 liters per minute. The sampling media was a 37 mm PTFE filter. The DOSH PEL is $0.2 \text{ mg}/\text{m}^3$. If exceeded, analyses for individual PAHs were to be conducted. These data are summarized in Table 6-5.
- Respirable dust measurements were collected using three aerosol photometers, calibrated to PM-10 particles (MIE DataRam 4000 portable real-time monitors). Real time data measurements were stored in the equipment and downloaded by field personnel at least once weekly. The Washington State Division of Occupational Safety and Health Permissible Exposure Limit (DOSH PEL) for respirable dust is $5 \text{ mg}/\text{m}^3$. These data are summarized in Table 6-6.

Very few compounds were detected during the air monitoring, and no analyses showed concentrations above the action levels.

The potential presence of nuisance odors was checked daily at the beginning of the project in the work and stockpile areas during periods of activity. Measures available to reduce odors included odor reducing foam and placement of covers over stockpiles and excavation areas. The stockpile was

generally covered when not in use, but odor control foam was not necessary, nor was covering the excavation area.

6.2.2 Noise Monitoring

Noise monitoring was performed between June 21 and December 22, 2006. Noise monitoring was conducted at the Skykomish School and at the BNSF property immediately north of the Stove Shop. Monitoring consisted of continuous measurements by a Larson Davis Model 820 Integrating Sound Level Meter in a protective weather resistant case. Handheld measurements were also collected from June 21 through July 29, 2006, using a Quest handheld sound level meter. Argus Pacific tabulated and summarized the noise monitoring data and included the results in the weekly reports that were submitted to RETEC for distribution. Table 6-7 summarizes the noise monitoring data.

The *Air and Noise Monitoring Plan* (Argus Pacific, 2006) states that the maximum permissible sound level for the project was 80 dB(A) because a maximum permissible sound level for residential to residential noise is 55 dB(A) with an additional 25 dB(A) allowed for construction activities based on the King County Noise Code and the Skykomish Municipal Noise Code. The Codes exclude noise generated by “Warning Devices” such as backup signals and the train horn. The monitoring indicated that average noise levels were below the project action limit for community noise in the areas monitored. Maximum noise levels were recorded at both locations above the project action level. These exceedances were for extremely short durations and occurred during periods when BNSF trains passed through the Town and during some heavy equipment operations.

Although the elevated noise levels were above the project action limit, they did not exceed the King County Noise Code or the Skykomish Municipal Noise Code, which allows for any source of construction noise that is of short duration to be increased by:

- 5 dB(A) for a total of fifteen minutes in any one-hour period
- 10 dB(A) for a total of five minutes in any one-hour period
- 15 dB(A) for a total of one and one-half minutes in any one-hour period.

All readings greater than 100 dB for the railyard and bridge monitoring stations were instantaneous readings that occurred while a train passed through town. Since train noise is exempt from the applicable noise codes, no exceedances of County or Municipal Code were recorded.

6.2.3 Water Quality Monitoring

Water quality monitoring was performed during “in-river construction” activities in accordance with Exhibit H.1 of the AO and the *Water Quality Monitoring Plan* (RETEC, 2006f). “In-water construction” is defined by the AO as all work below the ordinary high water mark (OHWM) of the South Fork Skykomish River during installation and removal of the cofferdam, as well as during the removal of contaminated soils and sediments within the confines of the cofferdam. The monitoring consisted of collection of surface water samples from the South Fork Skykomish River upstream of the project area (background samples), as well as 300 feet downstream of the project area (performance monitoring samples) for analysis of turbidity using a field turbidometer.

The frequency and locations of samples specified in Exhibit H.1 and in the *Water Quality Monitoring Plan* (RETEC, 2006e) were varied during implementation at the direction of Ecology staff that were on-site for inspections. Variations in the sample location were at the direction of Ecology to ensure that a representative sample was collected. Modifications to the exact location of the compliance sample were made based on field conditions related to both the work and the river. A Turbidity Exceedance Flow Chart (Figure 6-2) was developed in consultation with Ecology in July and August 2006 to assist field staff in determining the proper actions to take and to streamline the non-compliance notification process. The streamlined notification process eliminated un-necessary paperwork while still remaining in compliance with the Non-compliance Notification requirement as stipulated in the AO. The Flow Charts do not reflect the short term modifications Ecology issued beginning on August 29, 2006.

In addition to turbidity measurements, visual monitoring for oil sheen was conducted between the two cofferdams, between the cofferdam and oil containment boom and downstream of the oil containment boom. Results were reported at least weekly to Ecology via email; copies of the water quality monitoring field logs are included in Appendix M. Turbidity measurements observed between July 5, 2006 and September 15, 2006 are summarized below.

Background turbidity measurements were collected upriver of the Project Area and averaged 0.8 nephelometric turbidity units (NTUs), with a range of 0.2 and 2.8 NTU. Turbidity in the river during storm events has been measured as high as 200 NTU.

Turbidity varied greatly throughout the duration of the project and consisted of short pulses followed by sharp decreases in turbidity in most instances (Figures 6-3 through 6-5). Turbidity 300 feet downstream from the Project Area from September 9, 2006 through September 15, 2006 ranged from a low

of 30.0 NTU to a high of 728 NTU (Figure 6-3). The median turbidity from September 9, 2006 through September 15, 2006 was 51.1 NTU. The highest levels of turbidity occurred primarily along the southern shoreline of the river and did not extend into the main portion of the channel, which was approximately 120 feet. Increases in turbidity were primarily observed during the daylight hours and tended to dissipate overnight resulting in lower measurements in the morning before work started (Figure 6-4).

In addition, turbidity tended to dissipate rapidly with increased distance from the Project Area. Additional sampling conducted 600 ft downstream of the Project Area indicated that the turbidity decreased by 56% from 300 to 600 ft downstream. Sampling at 600 ft typically occurred when the turbidity at the 300 ft compliance point exceeded the turbidity limit specified in Exhibit H.1 of the AO. Sampling did not occur each time the turbidity exceeded the specified turbidity limit; however, enough measurements were taken to provide a good understanding of how the turbidity dissipated (133 measurements, Figure 6-5).

Work was suspended in accordance with Exhibit H.1 of the AO on numerous instances and Wilder implemented engineering controls such as trenching/liner installation beneath the cofferdams, increased pumping of water inside the cofferdam, placing backfill material or sand via a conveyor belt (telebelt) to filter the water, stopping work and placing sandbags along the interior and exterior perimeters of the cofferdam in attempts to minimize turbidity impacts to the river. The most effective mitigation measure was to stop work. Shallow liner installation to a depth of about three feet below the river bottom was somewhat effective in decreasing turbidity. Placement of material within the cell and sandbags were not effective mitigation measures.

In order to allow the work to proceed, Ecology issued short-term water quality standard (WQS) modifications so that in-water work could be completed in accordance with the AO and COE permit (see Appendix N). As part of DFW's HPA Permit Extension issued on September 12, 2006 (Control Number 104012-3) and which governed in-water work between September 9 and September 15, 2006, a Turbidity Mitigation Plan was required to mitigate for the turbidity exceedances. BNSF submitted the *Turbidity Mitigation Plan* prepared by Grette and Associates to DFW and Ecology on November 15, 2006 (Grette, 2006). The fish habitat enhancement work described in the Plan will be implemented within one year of the effective date of the draft Consent Decree between BNSF and Ecology which was issued for public comment on June 12, 2007.

All in-water work was completed by September 15, 2006. At Ecology's request, water quality monitoring continued after September 15, 2006, under the *Upland Construction, Excavation, and Grading Water Quality Monitoring Plan* (RETEC, 2006g) to measure impacts to water quality resulting from

uplands backfilling and compaction activities. Water quality monitoring was discontinued with Ecology approval in mid-November, 2006, upon completion of uplands backfilling activities.

6.2.4 Weather Monitoring

Monitoring of weather conditions was performed in accordance with the *Air and Noise Monitoring Plan* (to monitor wind direction) and the NPDES permit. A weather station was set up at the BNSF house, immediately southwest of the 5th Street Bridge. Weather data including temperature, wind direction and speed, and precipitation were monitored continuously and downloaded periodically from the station. These data are included on DVD in Appendix I. Information from the weather station was used to aid in locating air monitoring stations and is summarized on Table 6-8.

6.2.5 Cultural Resources and Archaeological Monitoring

Cultural resources and archaeological monitoring and documentation was performed prior to, and during the implementation of the interim cleanup action. This monitoring is documented in Appendix O.

Cultural Resources Monitoring

Cultural resources monitoring was performed to ensure protection of the cultural resources and ensure that any impacts were documented for subsequent mitigation. The cleanup area included historic residential structures (Moore House, Mackner House, and Teacherage) that were temporarily relocated during the cleanup. Prior to relocation, a pre-move inspection of each residence was performed by Pillar to Post as noted above. In addition, HABS/HAER studies of these properties were performed by SHKS Architects as described above. The structures were also inspected for structural stability by the house moving company (D.B. Davis) and structural modifications were made to the buildings as necessary, to allow moving. For example, the Teacherage was found to contain areas of dry rot that could compromise the building stability during relocation; therefore, additional extensive structural support and repairs were undertaken in close consultation with the Skykomish School District, prior to moving the building.

During temporary relocation, the buildings were secured using fencing, lighting and security personnel. In addition, heaters and dehumidifiers were operated in the buildings, as necessary, to prevent the buildup of moisture in the buildings.

Upon replacement of the residential buildings to their original sites, walk through inspections were conducted with the owners and all damages were

repaired (some of the repair work extended beyond the reporting period covered by this report into 2007).

The Skykomish School is located adjacent to the cleanup area and is a historically significant building. Inspections and surveys were conducted prior to the start of cleanup activities immediately adjacent to the school to document the existing conditions. These inspections included a structural inspection of the outside and inside of the school (with close attention to the north side of the school) by a consulting structural engineer (Dr. Saad Moustafa), and a video survey. The video survey was performed by a videographer (Mark Anderson – Glasswater Media) and resulted in a video record of the inside and outside of the school (Appendix I). In addition, surveyors (BRH, Inc.) set and surveyed control points on the school. These points were monitored periodically during excavation adjacent to the school and indicated that there was no movement of the school (Section 6.1).

Archaeological Monitoring

Archaeological monitoring was performed by NWAA between July 11 and September 27, 2006, in accordance with the *Cultural Resources Monitoring and Discovery Plan* (Appendix to Technical Memorandum – NWAA, 2006.) The results of the archaeological monitoring activities are presented in the *Technical Memorandum: Results of Archaeological Monitoring, Interim Action for Levee Zone Cleanup in Skykomish, King County, Washington* (NWAA, 2007). This Technical Memorandum is included in Appendix O. The remainder of this section summarizes the monitoring results.

NWAA archaeologists monitored the excavation of the contaminated soils and were on-call for the duration of the project. If any cultural material was observed, excavation in the area was temporarily halted and a RETEC employee escorted the NWAA archaeologist into the project area to investigate. The NWAA archaeologist would then take a few minutes to thoroughly examine any unearthed cultural material to determine the nature of the discovery and the significance of the find. All discoveries were recorded on standard NWAA monitoring forms and the area of discovery was photographed.

Daily monitoring activities included photographing the various stages of the excavation and recording notes and observations. Collected artifacts, primarily modern and historic glass bottles, were photographed and later catalogued. The sediments were documented in general terms with the primary focus on the upper Holocene deposits.

No pre-contact archaeological materials nor features or human remains were encountered in the project area, and no intact historical archaeological materials were uncovered during excavation. Artifacts collected include the

following: remnants of a buried wooden retaining wall or bulkhead parallel to the Skykomish River in the eastern end of the excavation area; scattered cultural debris (glass bottles, ceramics, a shoe) from the late 1800s to the 1950s, the remains of a decoratively stamped iron stove and its associated burned and fragmented contents, and a light fixture. These artifacts have been bagged and cataloged, and will be released to the Skykomish Historical Society upon completion of the project.

6.3 Stockpiling

Stockpiling activities included stockpiling of excavated materials for off-site disposal in the waste management area, excavated material from above the VDL for re-use on-site, and imported materials to be used as backfill.

6.3.1 Excavated Material for Disposal

Excavated materials were either transferred from one excavator to another prior to loading in trucks, or direct loaded into side dump trucks for transportation to the waste management area. Material taken to the waste management area was stockpiled for loading into railcars or overland trucks for disposal at Rabanco's Subtitle D Facility in Roosevelt, Washington. Excavated soil and sediment was adequately profiled prior to construction and additional sampling of the material was not required. Additional materials, such as soil excavated from the railyard to improve the load out area along the tracks, were characterized separately. After Rabanco's approval of the material it was added to the larger stockpile for disposal at Rabanco's Subtitle D facility in Roosevelt, Washington.

6.3.2 Above VDL Material

Excavated material above the VDL landward of the levee and above the elevation of West River Drive within the levee was field-screened for visible petroleum and segregated into potentially clean and contaminated stockpiles; each divided into approximate 200 cubic yard (cy) piles. The stockpiles were then trenched by hand or excavator and four grab samples per 200 cy section of equal volume were composited into one lab sample. Material with NWTPH-Dx concentrations less than or equal to 22 mg/kg or the Practical Quantitation Limit (PQL) of up to 35 mg/kg was considered clean and could be used as uplands backfill. Material that was not considered clean was screened (as detailed below) or stockpiled for off-site disposal.

6.3.3 Backfill Material

Backfill materials consisted of imported materials and crushed rock which had been excavated, screened from finer material, and visually inspected and approved by Ecology for use in the uplands portion of the excavation area. Imported materials were stockpiled at the Former City Burn Dump and at the

Wye on the railyard, east of the waste management area. Rock crushing operations took place at the Former City Burn Dump and the material was stockpiled there for later use. Riprap from the levee with no visible impacts were salvaged during the initial grubbing, approved by Ecology for use, and were stockpiled at the Former City Burn Dump for use during restoration. Visually impacted rip rap was disposed of along with impacted soil.

6.4 Excavation

Excavation activities were planned to be separated between material above the Vertical Definition Limit (VDL) and material below the VDL but, it was found that material above the VDL would not meet the chemical requirements for backfill on the site (i.e., needed to be below 22 mg/kg NWTPH-Dx). An estimated total of 70,000 cubic yards of impacted material was removed from the site. Estimates for bidding purposes assumed that 52,000 bank cubic yards (bcy) would be excavated with an additional 12,700 bcy of material from above the vertical delineation line suitable for re-use. In reality, only 400 cubic yards (cy) of overburden met site-specific criteria resulting in an approximately 2% increase in materials to be disposed off-site. The increase in volume increased the costs for handling and disposal and lengthened the anticipated schedule for railcars for disposal.

The general sequence of excavation included removal of the existing levee, removal of river sediment in sections from upstream to downstream, and finally removal of upland soil from the western side of the project to the eastern side of the project. Backfilling began shortly after confirmation sampling indicated that the remaining material met the applicable clean-up or remediation level and the excavated area was large enough to be segregated from the active excavation.

6.4.1 Soil Screening and Crushing

Soil screening was performed on above VDL material that had concentrations greater than 22 mg/kg NWTPH-Dx (or the PQL). Material was loaded into a screening plant and material smaller than 1 inch was stockpiled for off-site disposal at Rabanco's Subtitle D Facility in Roosevelt, Washington.

Granular material retained during the screening process was visually observed for any indication of oil staining. Once screened piles were approved for reuse as backfill, some of the granular material was crushed so that it met the material specification for use as stabilization material. Crushed material was used as stabilization fill in the uplands excavation.

6.4.2 Levee Removal

Levee removal began by removing and stockpiling the existing rip rap rock and sampling the levee material to determine suitability for reuse as backfill.

The rip rap was visually observed in Ecology's presence for oil staining with any oil stained rocks taken directly to the waste management area on the railyard. Riprap that was clean was stockpiled at the Former City Burn Dump for reuse in the new levee. The remaining levee above the elevation of West River Road was removed and stockpiled either within the excavation area or at the waste management area. Composite soil samples were collected as specified in the *Sampling and Analysis Plan* (SAP-RETEC, 2006h). Sample results indicated that nearly all of the levee material was not suitable for reuse as backfill. However, it was determined that oversized rocks within the fill could be reused as long as they could be separated through screening and did not contain visual staining.

6.4.3 Riverbed Sediment Excavation

Excavation in the river sections began shortly after the cofferdam was complete around the cell, and water pumping was active within the cell. Sediments were removed from below the water level for much of the area necessitating careful and systematic excavation to make sure that areas were not missed. Long stick and standard boom tracked excavation equipment was used to excavate down to the excavation contours shown on the plans. Depths were approximated by gauging the depth off the excavator boom, which had been marked before work began. Once an area was completed to depth to the satisfaction of the excavator operator, the operator would move the excavator bucket around in the presence of a RETEC employee to demonstrate that the bottom of the excavation was relatively flat. Confirmation sampling was then performed per the SAP in the EDR (RETEC, 2006h).

Sediments removed from the river bottom were either placed next to the excavation where they were loaded into trucks with a separate piece of equipment or direct loaded into trucks. The impacted spoils were trucked through town in side dump trucks to the railyard waste management area for eventual disposal.

The excavation prism was expanded downward or laterally as dictated by confirmation sampling results. If a confirmation sample result was above the appropriate cleanup level, the entire 625 square foot grid associated with the confirmation sample was excavated deeper, or the sides of the excavation were expanded until a passing confirmation sample was obtained in the grid. The final excavation bottom and sides were surveyed using GPS and documented on Figure 6-6. Figure 6-6 also shows the planned excavation contour and the cells which were over-excavated.

6.4.4 Upland Excavation

Upland excavation was completed in much the same manner as offshore excavation by systematically removing soil down to depths called for on the

plans and sampling the excavation bottom for compliance with remediation levels. Where confirmation samples exceeded remediation levels, additional excavation was completed, or the excavation footprint was expanded. The primary difference between the riverbed excavation and the upland excavation was that the upland excavation abutted areas to the south and east that were upgradient and were not remediated in this phase of the work. This necessitated installation of a subsurface barrier wall to limit subsequent contamination of newly placed fill soil as described below.

House foundations were removed as the excavation proceeded and included in the waste stream leaving the site. Other features associated with residential occupation of the area were handled on a case by case basis with the following notable issues:

- A buried and abandoned heating oil tank next to the Teacherage was decommissioned and removed in accordance with Ecology regulations. Clearcreek Contractors, a licensed underground storage tank contractor, removed the tank which was disposed of at Rabanco's Subtitle D Facility in Roosevelt, Washington. The soils beneath the tank were over-excavated as part of the interim action for clean-up to elevation 909 feet NAVD88, approximately 16 feet below the ground surface. Samples SKY-SOIL-G16 and SKY-SOIL-G15 were collected in the vicinity of the tank and both samples had NWTPH-Dx concentrations less than the remediation level of 3,400 mg/kg NWTPH-Dx.
- All residential septic system tanks were pumped to remove any effluent and demolished (Appendix K).

6.4.5 Soil Handling

Impacted soil was hauled from the removal area near the river to the waste management area on the railyard using side dump trucks. Side dump trucks were used because the truck beds are fully sealed preventing water leakage as the trucks moved very wet sediments through town. The trucks used the dumping facility on the railyard so they could cycle through town without any decontamination required.

6.4.6 Temporary LNAPL Product Barrier Wall

The EDR called for sheet piling to be used as both shoring protection and as a temporary LNAPL product barrier wall to limit impacts to the newly placed fill from upgradient sources during and after the levee reconstruction. Wilder proposed using a screw in anchor system to provide lateral support and to minimize the depth of the shoring. Initial work on the site suggested that installation of sheet piles would be very problematic and perhaps not feasible

considering the nature of the soil. Large cobbles and boulders were found to be prevalent in the soil, a condition that makes installation of sheet piles nearly impossible. The contractor developed an alternative shoring and barrier system that consisted of a reinforced earth wall (REW)/large concrete block (ultra block) wall and a 40 mil HDPE liner. Alternate shoring details were identified in EDR modification No. 3 (see Appendix J).

The LNAPL barrier system design was modified from the original EDR design based on:

- Comments provided by Ecology, technical comments from Ecology's consultant CDM, and subsequent communication between RETEC and Ecology
- Engineering Memorandum from Wilder subconsultant Milbor-Pita & Associates, Inc (MPA).
- RETEC calculations of puncture safety factors for synthetic liners.

The alignment of a continuous subsurface barrier wall was constructed as shown on the NAPL Barrier Plans that are included as part of EDR modification No. 3. The barrier wall was constructed according to the specifications and design drawings contained as part of the modification including a combination of reinforced earth wall (REW) and liner. The barrier wall included a 40 MIL HDPE liner compatible with, and capable of, withstanding long-term exposure to bunker C and diesel petroleum hydrocarbons present in the LNAPL plume. The barrier liner was overlapped by 5 ft at the edges and not seamed. The liner was installed to depths as determined by confirmation sampling.

The REW was constructed according to engineering specification from MPA and crushed stone/gravel coupled with over-excavation was used to provide base for construction of the REW. Slope stability concerns near the school were addressed by maintaining a safe setback from the school and demonstrating this by monitoring survey points as discussed in Section 6.1. Controlled density fill (flowable, low strength concrete) was used in the bottom portion of the trench from about 6th Street west to the western edge of the school building. The flowable fill facilitated retaining wall construction in the deeper excavation required near the school building. Monitoring of the building foundation adjacent to the construction indicated there was no measurable movement of the building resulting from construction activities.

6.4.7 Oil Control and Removal

Oil control and removal began shortly after river sediment removal activities began. It became apparent that significant amounts of oil were being released

from the excavated sediment as the sediments were disturbed by the excavation process. Upon being liberated from soil particles, the oil tended to accumulate on the downwind side of the excavation. NRC was retained by BNSF to coordinate collection of oil from the water surface to facilitate excavation and backfilling operations. Several different methods were utilized by NRC to collect the oil with the most successful methods being a rope mop skimmer, pom-pom booms, and sorbent pads.

NRC also used streams of pressurized water as necessary to control oil during excavation. Oil control and removal activities were carried out as needed, but were essentially active 24 hours per day for seven days per week during soil removal activities until October 25, 2006. When visible sheen was detected between or outside of the cofferdams, NRC addressed the sheen with sorbent materials. In addition to controlling and removing oil, NRC collected oil soaked debris that was floating within the excavation (such as branches or wood debris). The debris was collected, bagged, and disposed with the impacted soil and sediment at Rabanco's Roosevelt Sub-Title D Facility.

A rope mop skimmer is an oleophilic device that removes oil from the surface of a water body through the use of a polypropylene rope. The circular rope is set up on a series of pulleys that drag the rope through oily water where it picks up oil on the rope surface. The oily rope is then wrung out inside of the machine where oil collects in a tank. Collected oil is removed using a vacuum truck. Three rope mop skimmers were in use on the site at different times, and collection occurred 24 hours per day for most of the period. Collected oil was transported to a recycling facility where it was recycled. About 23,700 gallons of oil were collected and recycled by PRS Group, Inc. of Tacoma, Washington.

6.4.8 Bird Management

On August 1, 2006 three birds were observed in cell #1 (the easternmost cell). All three birds had apparently entered the cofferdam area before work activities began on August 1, 2006 and had become covered in oil by the time they were observed at dawn on August 1. RETEC coordinated with Andy Carlson, an oiled wildlife specialist at the Department of Fish and Wildlife and contacted PAWs to rescue the birds. PAWs rescued two of the birds the afternoon of August 1, 2006 from the western most cell (cell #3); however, the third bird had escaped the cofferdam area and was suspected to have gone downstream. Work stopped in cell 3 until PAWs was able to rescue the birds. PAWs attempted to rehabilitate the two birds, however, neither bird survived. They were identified as Harlequin ducks (*Histrionicus histrionicus*).

Work began immediately to prevent birds from entering the work area at the Skykomish site and coming into contact with oil. These efforts were focused on controlling and removing oil inside the cofferdam to the extent possible

and implementing measures to keep birds away from the work area. The efforts are discussed in greater detail below.

Oil Control inside the Cofferdam

NRC worked to recover and control oil during the excavation using rope mop skimmers, booms, absorbent pads, and water sprays.

Measures to Keep Birds away from Work Area

- **Mylar bird deterrents** – Perimeter posts connected by wire or twine were placed on top of the entire cofferdam. Mylar tape was tied at regular increments along this line to deter birds from flying into the area. The Mylar tape provided a visible and audible deterrent to the birds. The Mylar perimeter was constructed along the outer cofferdam to the east along the eastern cell. The Mylar perimeter remained in place until backfill below the water table was complete and there was no potential for oil surface in the water.
- **Other Mylar deterrents** – NRC assembled two 8-foot tall poles with Mylar streamers on a perpendicular cross. These systems were moved to areas with oil on the water as the excavation progressed.
- **Light Plants** – Light plants were used to light the work area along the river from dusk until dawn due to the increased risk of birds entering the area at night. Lights were aligned to best reflect the Mylar tape.
- **Predator decoys** – Four 18-inch owl predator decoys were placed along the cofferdam on poles to provide additional deterrents for birds.

6.5 Backfill and Grading

Backfill and grading activities were completed to restore the former Levee following Ecology review and approval of the confirmation sample results. Backfilling and compaction were completed in compliance with the general contractor plans and specifications and the EDR (RETEC, 2006b and 2006a).

The only significant modification in the backfill operation was in the backfill placed in the river itself. The DFW required a change in the material specifications for the in-river backfill. A rounded sand and gravel with less than 5 percent fines was used to backfill the river from the base of the excavation to a point 18 inches below the final river bed grade. From this point up to the final river grade, a washed 18-inch minus gravel/cobble mixture was specified and placed.

Backfill quality control and density testing results are included in Appendices K and P.

6.6 Confirmation Sampling

Excavation performance sampling was performed per the SAP (RETEC, 2006h), at the limits of the excavation (with the exception of the south side wall due to pending uplands cleanup) to confirm that cleanup had been achieved in accordance with the compliance monitoring requirements in WAC 173-340-740 and WAC 173-204. At least one discrete grab sample was analyzed from excavation bottom and sidewall areas not to exceed 625 square feet (25-foot square grids). The excavation area was divided into 25 foot by 25 foot grids as shown in Figure 6-7, with letters labeling the rows and numbers labeling the columns. Cell A01 was in the northwest corner of the excavation and Cell G29 was in the southwest corner of the excavation.

6.6.1 Excavation Criteria

Excavations waterward of the Ordinary High Water Mark (OHWM) removed material exceeding the sediment cleanup level of 40.9 mg/kg NWTPH-Dx or extended at least 10 feet below the river bottom. If concentrations exceeded 40.9 mg/kg NWTPH-Dx at the 10 foot or greater depth below the river bottom, Ecology was consulted regarding whether backfilling could be done or whether additional excavation was required. The uplands excavation less than 25 feet landward from the OHWM removed material exceeding the soil cleanup level of 22 mg/kg NWTPH-Dx to a depth of at least 10 feet below the river bottom. This area was designated a buffer area for protection of sediments. The uplands excavation in areas more than 25 feet landward of the OHWM removed material greater than the soil remediation level of 3,400 mg/kg NWTPH-DX. Figure 6-8 summarizes the cleanup and remediation levels corresponding to different parts of the excavation, depending on proximity to the OHWM and riverbed.

6.6.2 Sample Designation

To facilitate confirmation sampling and nomenclature of sample identification numbers, a sample grid with the correct spacing was superimposed over the excavation prism (Figure 6-7). Confirmation samples collected from grid cells with green labels were designated as sediment samples and analytical results were compared to the sediment cleanup level (40.9 mg/kg NWTPH-Dx) shown in Figure 6-8. Analytical samples from this zone included the abbreviation “SED” for “sediment” in their sample IDs.

Confirmation samples collected from grid cells with orange labels were compared to the soil cleanup level (22 mg/kg NWTPH-Dx) because although the grid cells are above the OHWM, they lay within 25 feet of the OHWM and as such were determined to be in the sediment protection zone. Analytical

samples from this zone included the abbreviation “PRO” for “protection” in their sample IDs.

Finally, confirmation samples collected from grid cells with blue labels were designated as soil samples and analytical results were compared to the soil remediation level (3,400 mg/kg NWTPH-Dx, see Figure 6-8). Analytical samples from this zone included the word “SOIL” in their sample IDs.

6.6.3 Sampling Procedures

In accordance with the sampling methodology presented in the SAP (RETEC, 2006h), once the design depth was attained in the field, grab samples were collected from approximately the center of each area. The SAP also called for collection of additional samples from visually-impacted areas to be analyzed separately. Since confirmation samples were generally collected “in the wet” or from the bottom of the excavation which contained standing water, the surface being sampled was generally not observed visually. Rather, material that was lifted above the water surface during excavation could be visually observed in the excavation bucket.

The EDR also specified that once excavation had proceeded to the required depths, the water in the excavation pits should be allowed to settle (“cleared”) while any visible sheen and petroleum products were removed via skimmer or pump to the water treatment system. The EDR stated the approximate time for water to clear was within one hour depending on the size of the pit and rate of water removal. The reason that water clearing is desired is that silt/clay particles in the water within the pit may be impacted. Extracting a sample from the bottom of the water column and bringing it up through the water column may result in contamination levels in the sample that are higher than the in-place soil due to the influence of these fine particles that may remain in suspension. Once “clearing” had occurred, a post-dredge sample was to be collected from the pit and prepared for analysis for confirmational monitoring purposes. In reality however, clearing of the water did not occur in a reasonable time frame (i.e., not even within days after excavation), and therefore confirmation samples were collected through turbid water standing in the excavation.

6.6.4 Laboratory Analysis, Data Review and Backfill Approval

Confirmation samples were analyzed for NWTPH-Dx by Test America’s on-site laboratory in order to meet the turn-around times necessary to meet the project schedule (in particular the in-water work that had to be completed within the fish window). Upon receipt of analytical lab reports from Test America via email, the results were posted on a Lotus Notes Quickplace website and Ecology was notified. Ecology reviewed the data and notified the

field engineer if the sample grid was approved for backfilling, or if additional excavation of the cell was required. If a cell was re-excavated, a new confirmation sample was collected from the grid, and a letter was added to the end of the sample ID to indicate that there was more than one sample for that grid.

Confirmation sampling results for the final sample (i.e., the deepest) collected from each location or grid, are presented in Table 6-9. Results are tabulated in three sections corresponding to the sediment, sediment protection zone and soil designations discussed above. The cleanup level that applied to the sample location is listed in the table, and if the sample exceeded the required cleanup level (i.e., because the sample was collected greater than 10 feet below the river bottom), but Ecology approval to backfill the location was received, the date of that approval is also provided.

The data provided to Ecology for approval of backfilling were subsequently reviewed to ensure that the QA/QC criteria established in the SAP were satisfied. Level III data validation using standard EPA-approved procedures was performed, and the analytical results were determined to be usable. Copies of the data validation reports are contained in Appendix Q.

6.6.5 Confirmation Sample Statistical Analysis

The requirements of WAC 173-340-740 state that no single confirmation sample concentration shall be greater than two times the cleanup level, less than 10% of the sample concentrations shall exceed the applicable excavation criterion, and the 95% upper confidence limit (UCL) shall be less than the excavation criterion. The Levee Zone Interim Action for Cleanup at the BNSF Skykomish Site met these requirements as demonstrated by the statistical analysis presented below.

For purposes of the statistical analysis, the sediment and sediment protection zone (samples with “SED” and “PRO” in the sample ID) sample results were grouped together since they were required to meet very low sediment or soil cleanup levels (40.9 and 22 mg/kg NWTPH-Dx, respectively). A cleanup of level of 22 mg/kg NWTPH-Dx was assumed in the analysis since it is the lower of the two levels. Soil samples (samples with “SOIL” in the sample ID) were analyzed separately.

Summary statistics are presented in Table 6-10. Summary statistics are provided for both lube oil range and diesel range hydrocarbons. The analysis included a determination of the type of distribution corresponding to each data set. For the PRO + sediment dataset for lube oil range hydrocarbons, a gamma distribution was determined to be the best fit. For the remaining three datasets, the large percentage of non-detect sample resulted in a non-parametric distribution. The 95% UCLs were calculated using ProUCL

Version 3.0 (EPA, 2004). As shown in Table 6-10, the confirmation samples included in the statistical analysis demonstrate that the Levee Zone Cleanup complies with the established cleanup and remediation levels.

It is important to note that confirmation samples collected from excavation depths greater than 10 feet below the river bottom that did not meet the excavation criteria, but represented cells that were approved for backfilling by Ecology were excluded from the statistical analysis above. Also, samples collected from grid cell C00 immediately adjacent to the bridge and at the edge of the excavation did not meet the sediment cleanup level and were not included in the statistical analysis. This location could not be over-excavated due to proximity to the bridge abutment. Due to the presence of product seeps, a liner was placed along the excavation sidewall and backfilling was approved by Ecology. This area will be addressed in future phases of work.

6.7 Water Treatment and Discharge

Water collection and treatment was an integral part of implementation of the levee zone cleanup. Water treatment and discharge to the River during the excavation was authorized by a NPDES permit (Appendix D). A separate smaller treatment system was operated at the soil stockpile area on the railyard to control stormwater runoff. After treatment, stormwater was discharged to the ground as authorized by Exhibit J of the AO.

Water was pumped from the excavation during the in-water phase of work for gradient control, and dewatering was also performed during the uplands excavation work for turbidity control and to facilitate construction of the REW and the LNAPL barrier wall. The treatment train for this 1,000 gpm system consisted of gravity separation and oil recovery, chitosan-enhanced sand filtration and activated carbon adsorption. Figure 5-2 is a process and instrumentation diagram of the treatment plant.

Discharge monitoring results were submitted each month to Ecology Water Quality Program in the form of Discharge Monitoring Reports (DMRs). DMRs for water treatment facility operations beginning from June 2006 through December 2006 are included in Appendix E. Discharge under the NPDES permit occurred beginning July 21, 2006 through November 5, 2006. The DMRs show compliance with the NPDES permit, effluent limits, except for one potential noncompliance on September 11, 2006.

Beginning November 7, 2006, water treatment and discharge occurred at the soil stockpile area as authorized by Exhibit J of the AO. The treatment train for this 300 gpm system consisted of gravity separation, sand filtration, and activated carbon adsorption. Treated stormwater was discharged to the ground.

6.8 Waste Disposal

There were numerous waste streams resulting from site remediation activities. Sources of waste are presented on Table 6-11 as well as the final disposition of the waste. Descriptions presented in the table are considered sufficient for all waste streams, with the exception of soil and sediment disposal where additional detail is warranted and presented below.

6.8.1 Disposal of Soil and Sediment

Soil and sediment excavated from the removal areas was transported in trucks to the waste management area on the railyard. The waste material arrived at the handling facility containing varying degrees of moisture – some was wet and saturated and some was nearly dry. All soil transported from the site to the waste disposal facility was transported by rail car (in large soil boxes) or by truck and trailer where the soil boxes were secured to an over-the-road trailer. Both of these transportation methods required that the waste meet the paint filter test to demonstrate that there was no free liquid in the waste when it was loaded. Wilder completed paint filter tests and blended the wet and dry waste as needed to make sure that the waste leaving the site passed the paint filter test. A small amount of hydrated lime was blended with the wettest waste when necessary.

Waste was loaded on cars using loaders with on-board scales so that weight limits were not exceeded for the over-the-road trucks or the train cars. Trains were loaded and left the site generally six days per week. With a full complement of cars, around 1,000 tons of waste left the site every day, six days per week to be delivered to Rabanco's Subtitle D facility. There were several occasions during the summer when rail car delivery was disrupted due to rail system limitations.

7 Restoration

Restoration activities included restoration of the levee, public infrastructure, public property, habitat, and housing as detailed in the following sections.

7.1 Levee, Public Infrastructure and Public Property

The following list summarizes restoration activities that have been completed during 2006:

- Storm sewers installed in 5th and 6th Streets
- Electrical utilities installed down West River Road
- Communication utilities installed down West River Road
- Public septic features (pigging port and collection lines in 6th Street)
- Residential drainfields were installed. Waivers for the installation are in Appendix G.
- Public water lines installed in 5th Street, 6th Street, West River Road, and to the Levee
- A blank conduit installed in West River Road for City use in the future
- Asphalt patching of damaged portions of West River Road (pending uplands cleanup – at which time the road will be re-paved)
- Levee habitat features on the river side of the levee that include large woody debris and habitat benches.

Grading along the levee and installed utilities as of December 31, 2006 are shown on Figures 7-1 and 7-2.

7.2 November 2006 Flood

From November 5, 2006 at 3:30 pm through November 7, 2006 at 6:30 pm, 14.01 inches of rain fell at the weather station (Appendix I). This high amount of rainfall resulted in a crest of 23.94 feet at the Gold Bar gauging station (National Oceanic & Atmospheric Administration, 2007). Flood categories at Gold Bar are:

- Major Flood Stage: 19 feet
- Moderate Flood Stage: 17 feet
- Flood Stage: 15 feet.

Ecology determined that the November 2006 flood on the Skykomish River was the flood of record for the Skykomish (Ecology, 2007, Appendix R). At 9:30 pm on November 6, 2006 the discharge at the gage at Gold Bar was 113,000 cubic feet per second. This discharge was between the 50 and 100-year flood discharges and estimated as about a 70-year flood.

Throughout the flood, the levee was inspected on a regular basis. Some minor modifications were made to the area of the kayak ramp near the eastern end of the levee by the 5th St. Bridge where some larger rock was added to the levee top as a precautionary measure. Near the water treatment facility, cement blocks and sand bags were used to protect against inflow where the existing levee had been temporarily lowered to facilitate construction.

7.3 Habitat Restoration

Habitat restoration efforts occurred in areas disturbed by excavation near the South Fork Skykomish River. River bottom substrate was replaced in the disturbed area to match existing substrate types. Improvements added to the shoreline included placement of large woody debris (LWD) in the riverbank to provide cover for juvenile salmonids and create areas along the shoreline with slower flows. Boulders were placed upstream of the woody debris per design specifications to protect recreational users of the river from floating into the debris. Habitat restoration performed during 2006 is shown on Figure 7-1.

Revegetation efforts are ongoing and will continue during 2007; these efforts will include planting native vegetation along the waterward face and near the new levee. Restoration of vegetation will follow the planting plan included in the *Levee Planting Plan and Monitoring Program* submitted to the USACE as part of the Biological Evaluation addendum (Grette Associates, 2005).

7.4 Housing Restoration

As part of the remedial action and part of the housing relocation process restoration of relocated housing took place during 2006. Final restoration and occupation by affected residents will take place in 2007. The final site utility layout is shown in Figure 7-2. Residential restoration activities that took place in 2006 included the following:

- Construction of new house foundations, with each structure raised 6 inches from the pre-construction elevation. The Moore house was raised 12 inches as requested by Mr. Moore. Foundations

were all up to current applicable codes including adequate venting area for a flood-prone area.

- Attachment of the houses to the new foundations.
- Installation of new underground power feeds to the houses.
- Installation of new upgraded electrical panels to accommodate the underground electrical feed.
- Installation of underground communication lines to the houses.
- Installation of water lines from the streets.
- Installation of new septic systems including tanks and drainfields.
- Installation of septic lines from new tanks to the street to accommodate future city-wide septic effluent collection.

7.5 Quality Assurance

Quality assurance included compliance with health and safety requirements and performance standards outlined in the Skykomish Levee EDR and general contractor specifications. All aspects of construction were performed under the oversight of a RETEC professional engineer registered in the State of Washington.

8 Summary and Conclusions

From the period starting June 8, 2006 and ending December 31, 2006, The RETEC Group, Inc. oversaw remediation activities in the Levee Zone and part of the Northwest Developed Zone of the Former BNSF Maintenance and Fueling Facility on behalf of BNSF. The project was substantially complete in 2006, but some restoration activities are ongoing and will be completed in 2007. Work completed in 2007 will be described in the 2007 Completion Report.

Approximately 23,700 gallons of oil was recovered during excavation and approximately 70,000 cubic yards of impacted material was excavated. The impacted material was removed from the site, transported to and placed in Rabanco's licensed subtitle D landfill in Roosevelt, Washington. Analytical results from performance sampling of the extents of the excavation demonstrate that the soil and sediment cleanup objectives were achieved for the river bottom and most upland grids. Confirmational monitoring of groundwater will be performed to confirm the long-term effectiveness of the cleanup action with respect to groundwater. Areas beneath the 5th Street Bridge and along the eastern, western, and southern boundaries of the excavation will be addressed in future phases of the site cleanup.

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- Wilder, 2006a. *Technical Execution Plan*. Prepared for the BNSF Railway Company by Wilder Construction Company. Everett, Washington. July 17, 2006.
- Wilder, 2006b. *Operations and Maintenance Manual Water Treatment Facility for NPDES Permit No. WA-003212-3*. Prepared for the BNSF Railway Company and The RETEC Group, Inc. by Wilder Construction Company. Everett, Washington. July 11, 2006.

Table 3-1 Plans and Reports

Title	Author	Date	Stand-Alone?	Parent Document/Location	In Accordance With
Air and Noise Monitoring Plan	Argus Pacific	June 20, 2006	Yes		
Health and Safety Plan	DB Davis	None	Yes		
Rigging Plans	DB Davis	None	Yes	Appendix to As-Built Report	
Turbidity Mitigation Plan	Grette and Associates	November 15, 2006	Yes		Exhibit H of Agreed Order
Levee Planting Plan and Monitoring Plan	Grette and Associates	December 1, 2005	No	Biological Evaluation Addendum	
Cultural Resources Monitoring and Discovery Plan	Northwest Archaeological Associates, Inc.	May 1, 2006	No	Technical Memorandum: Project History, Project Effects, and Mitigation Measures with Respect to Historic Properties, June, 21, 2006	
Landscape Plan	RETEC	July 26, 2006	No	Levee Zone Interim Action for Cleanup 2006--As-Built REport	
Sampling and Analysis Plan	RETEC	May 3, 2006	No	Engineering Design Report	
Sediment and Erosion Control Plan	RETEC	April 18, 2006	No	Drawing C-7 of Specifications	
Stormwater Pollution Prevention Plan	RETEC	June 28, 2006	Yes		NPDES
Upland Construction, Excavation, and Grading Wsater Quality Monitoring Plan	RETEC	October 9, 2006	Yes		
Water Quality Monitoring Plan	RETEC	June 23, 2006			Exhibit H of Agreed Order
Technical Execution Plan	Wilder	July 17, 2006	Yes		
Operations and Maintenance Manual Water Treatment Facility	Wilder Construction Company	July 11, 2006	Yes		NPDES
Technical Memorandum: Project History, Project Effects, and Mitigation Measures with Respect to Historic Properties	Northwest Archaeological Associates, Inc.	June 21, 2006	Yes		
Draft Engineering Report- Levee Remediation Process Water Treatment and Discharge, Skykomish Washington and Addendum	RETEC	July 20, 2005 and November 9, 2005	Yes		
Plans and Specifications, Skykomish Levee Remediation	RETEC	March 30, 2006	Yes		
Final Engineering Design Report, Levee Remedial Action; Former Maintenance and Fueling Facility, Skykomish, Washington	RETEC	May 3, 2006	Yes		
Skykomish Teacherage, King County, Washington. Historic American Building Survey, HABS Surve No. WA-242	SHKS Architects	February 20, 2007	Yes		
Mackner House (1) and The Moore House (2), Skykomish, Washington. Department of Archaeology and Historic Preservation Level 2 Survey.	SHKS Architects	February 20, 2007	Yes		

Table 5-1 Total Fish Recovered by RETEC Within Skykomish Cofferdam – July 2006

	Coho		Chinook		Sculpin		Sucker	
	<i>Live</i>	<i>Dead</i>	<i>Live</i>	<i>Dead</i>	<i>Live</i>	<i>Dead</i>	<i>Live</i>	<i>Dead</i>
Cell 1								
July 18, 2006 ¹	89	0	7	0	1	0	0	0
July 20, 2006 ²	26	2	0	0	13	0	1	0
July 21, 2006 ³	49	4	1	0	0	0	0	0
Cell 2								
July 24, 2006 ⁴	94	4	0	0	7	0	0	0
Cell 3								
July 28, 2006 ⁵	99	36	4	0	18	0	0	0
Total ⁶	357	46	12	0	39	0	1	0

Notes:

¹ Fish were collected during six seine passes.

² Six live coho were recovered from within the inner and outer cofferdam with a dip net. Other fish were collected during three electroshocker passes.

³ Fish were collected with three electroshocker passes.

⁴ Fifteen live coho were collected with three seine passes. The remainder were collected during three electroshocker passes.

⁵ Fish were collected during three electroshocker passes. Water was very turbid and deeper than other cells in the western portion and along the shoreline of the cell.

⁶ All fish were released outside of the project area. Live fish were those that actively swam away. Those fish that remained stunned or did not swim away were considered dead.

Table 6-1 Comparison of Survey Monitoring Points Near School

Location ID	Survey Elevations (feet)	
	9/6/2006	9/12/2006
BM-A	100	100
MP-8	97.51	97.5
PR-503	95.48	95.48
MP-7	97.95	97.95
MP-6	98.05	98.05
MP-5	97.87	97.9
MP-4	97.8	97.8
MP-3	97.67	97.68
MP-2	97.34	97.34
MP-1	97.14	97.13
BM-B	95.05	95.04

Notes:

Survey locations were referenced from two benchmark locations BM-A and BM-B. BM-A was arbitrarily set to elevation 100.00 feet.

Table 6-2 Summary of Metals in Air (Lead & Arsenic)

Date	Location	Sample ID	Analyte	Sample Time	Limit of Detection	Result	Monitoring Plan Limit
1-Jun-2006	Railyard	SK-LA-1	Lead	322 minutes	3.1 µg/m ³	<3.1 µg/m ³	50 µg/m ³
			Arsenic	322 minutes	7.8 µg/m ³	<7.8 µg/m ³	10 µg/m ³
		SK-LA-FB	Lead	Field Blank	2.0 µg/sample	ND	NA
			Arsenic	Field Blank	5.0 µg/sample	ND	NA
	Levee	SK-LA-2	Lead	320 minutes	3.1 µg/m ³	<3.1 µg/m ³	50 µg/m ³
			Arsenic	320 minutes	7.8 µg/m ³	<7.8 µg/m ³	10 µg/m ³
6-Jun-2006	Railyard/School/Yard	0606-RY-LA-1	Lead	360 minutes	2.8 µg/m ³	<2.8 µg/m ³	50 µg/m ³
			Arsenic	360 minutes	2.8 µg/m ³	<2.8 µg/m ³	10 µg/m ³
9-Jun-2006	Railyard	0609RY-LA-1M	Lead	330 minutes	3.0 µg/m ³	<3.0 µg/m ³	50 µg/m ³
			Arsenic	330 minutes	4.5 µg/m ³	<4.5 µg/m ³	10 µg/m ³
		0609RY-LA-FB	Lead	Field Blank	2.0 µg/sample	ND	N/A
			Arsenic	Field Blank	3.0 µg/sample	ND	N/A
13-Jun-2006	Railyard	0613-RY-LA-1	Lead	555 minutes	0.09 µg/m ³	<0.09 µg/m ³	50 µg/m ³
			Arsenic	555 minutes	0.09 µg/m ³	<0.09 µg/m ³	10 µg/m ³
	Schoolyard	0613-SY-LA-1	Lead	540 minutes	0.093 µg/m ³	<0.093 µg/m ³	50 µg/m ³
			Arsenic	540 minutes	0.093 µg/m ³	<0.093 µg/m ³	10 µg/m ³
15-Jun-2006	Railyard	0615-RY-LA-1	Lead	544 minutes	1.8 µg/m ³	<1.8 µg/m ³	50 µg/m ³
			Arsenic	544 minutes	2.8 µg/m ³	<2.8 µg/m ³	10 µg/m ³
		0615-RY-LA-FB	Lead	Field Blank	2.0 µg/sample	ND	N/A
			Arsenic	Field Blank	3.0 µg/sample	ND	N/A
	Schoolyard	0615-SY-LA-1	Lead	547 minutes	1.8 µg/m ³	<1.8 µg/m ³	50 µg/m ³
			Arsenic	547 minutes	2.7 µg/m ³	<2.7 µg/m ³	10 µg/m ³
		0615-SY-LA-FB	Lead	Field Blank	2.0 µg/sample	ND	N/A
			Arsenic	Field Blank	3.0 µg/sample	ND	N/A
20-Jun-2006	Railyard	062006-RY-LA-1	Lead	450 minutes	2.2 µg/m ³	<2.2 µg/m ³	50 µg/m ³
			Arsenic	450 minutes	2.2 µg/m ³	<2.2 µg/m ³	10 µg/m ³
		062006 -LA-FB	Lead	Field Blank	2.0 µg/sample	ND	NA
			Arsenic	Field Blank	2.0 µg/sample	ND	NA
	Schoolyard	062006-S-LA-1	Lead	447 minutes	2.2 µg/m ³	<2.2 µg/m ³	50 µg/m ³
			Arsenic	447 minutes	2.2 µg/m ³	<2.2 µg/m ³	10 µg/m ³
21-Jun-2006	Railyard	0621-RY-LA-1	Lead	475 minutes	2.1 µg/m ³	<2.1 µg/m ³	50 µg/m ³
			Arsenic	475 minutes	2.1 µg/m ³	<2.1 µg/m ³	10 µg/m ³
	Schoolyard	0621-S-LA-1	Lead	475 minutes	2.1 µg/m ³	<2.1 µg/m ³	50 µg/m ³
			Arsenic	475 minutes	2.1 µg/m ³	<2.1 µg/m ³	10 µg/m ³
26-Jun-2006	Railyard	0626-RY-LA-1	Lead	450 minutes	2.2 µg/m ³	<2.2 µg/m ³	50 µg/m ³
			Arsenic	450 minutes	2.2 µg/m ³	<2.2 µg/m ³	10 µg/m ³
		0626-LA-FB	Lead	Field Blank	2.0 µg/sample	ND	NA
			Arsenic	Field Blank	2.0 µg/sample	ND	NA
	Schoolyard	0626-SY-LA-1	Lead	455 minutes	2.2 µg/m ³	<2.2 µg/m ³	50 µg/m ³
			Arsenic	455 minutes	2.2 µg/m ³	<2.2 µg/m ³	10 µg/m ³
29-Jun-2006	Railyard	0629-RY-LA	Lead	512 minutes	2.0 µg/m ³	<2.0 µg/m ³	50 µg/m ³
			Arsenic	512 minutes	2.0 µg/m ³	<2.0 µg/m ³	10 µg/m ³
	Schoolyard	0629-SY-LA	Lead	516 minutes	1.9 µg/m ³	<1.9 µg/m ³	50 µg/m ³
			Arsenic	516 minutes	1.9 µg/m ³	<1.9 µg/m ³	10 µg/m ³
6-Jul-2006	Railyard	0706-RY-LA	Lead	481 minutes	2.1 µg/m ³	<2.1 µg/m ³	50 µg/m ³
			Arsenic	481 minutes	2.1 µg/m ³	<2.1 µg/m ³	10 µg/m ³
		0706-FB-LA	Lead	Field Blank	2.0 µg/sample	ND	NA
			Arsenic	Field Blank	2.0 µg/sample	ND	NA
	Bridge	0706-B-LA	Lead	480 minutes	2.1 µg/m ³	<2.1 µg/m ³	50 µg/m ³
			Arsenic	480 minutes	2.1 µg/m ³	<2.1 µg/m ³	10 µg/m ³
10-Jul-2006	Railyard	0710-RY-LA	Lead	490 minutes	2.0 µg/m ³	<2.0 µg/m ³	50 µg/m ³
			Arsenic	490 minutes	2.0 µg/m ³	<2.0 µg/m ³	10 µg/m ³
		0710-LA-FB	Lead	Field Blank	2.0 µg/sample	ND	NA
			Arsenic	Field Blank	2.0 µg/sample	ND	NA
	Bridge	0710-B-LA	Lead	492 minutes	2.0 µg/m ³	<2.0 µg/m ³	50 µg/m ³
			Arsenic	492 minutes	2.0 µg/m ³	<2.0 µg/m ³	10 µg/m ³
14-Jul-2006	Railyard	0714-RY-LA	Lead	485 minutes	2.1 µg/m ³	<2.1 µg/m ³	50 µg/m ³
			Arsenic	485 minutes	2.1 µg/m ³	<2.1 µg/m ³	10 µg/m ³
	Bridge	0714-B-LA	Lead	486 minutes	2.1 µg/m ³	<2.1 µg/m ³	50 µg/m ³
			Arsenic	486 minutes	2.1 µg/m ³	<2.1 µg/m ³	10 µg/m ³
18-Jul-2006	Railyard	0718-RY-LA	Lead	496 minutes	2.0 µg/m ³	<2.0 µg/m ³	50 µg/m ³
			Arsenic	496 minutes	2.0 µg/m ³	<2.0 µg/m ³	10 µg/m ³
		0718-FB-LA	Lead	Field Blank	2.0 µg/sample	ND	NA
			Arsenic	Field Blank	2.0 µg/sample	ND	NA

Table 6-2 Summary of Metals in Air (Lead & Arsenic)

Date	Location	Sample ID	Analyte	Sample Time	Limit of Detection	Result	Monitoring Plan Limit
24-Jul-2006	Railyard	0724-RS-LA	Lead	482 minutes	2.1 µg/m ³	<2.1 µg/m ³	50 µg/m ³
			Arsenic	482 minutes	3.1 µg/m ³	<3.1 µg/m ³	10 µg/m ³
		0724-FB-LA	Lead	Field Blank	2.0 µg/sample	ND	NA
			Arsenic	Field Blank	3.0 µg/sample	ND	NA
	Bridge	0724-B-LA	Lead	482 minutes	2.1 µg/m ³	<2.1 µg/m ³	50 µg/m ³
			Arsenic	482 minutes	3.1 µg/m ³	<3.1 µg/m ³	10 µg/m ³
27-Jul-2006	Railyard	0727-RS-LA	Lead	490 minutes	4.0 µg/m ³	<4.1 µg/m ³	50 µg/m ³
			Arsenic	490 minutes	4.1 µg/m ³	<4.1 µg/m ³	10 µg/m ³
	Bridge	0727-B-LA	Lead	490 minutes	4.0 µg/m ³	<4.1 µg/m ³	50 µg/m ³
			Arsenic	490 minutes	4.1 µg/m ³	<4.1 µg/m ³	10 µg/m ³
1-Aug-2006	Railyard	0801-RS-LA	Lead	497 minutes	2.0 µg/m ³	<2.0 µg/m ³	50 µg/m ³
			Arsenic	497 minutes	4.0 µg/m ³	<4.0 µg/m ³	10 µg/m ³
		0801-LA-FB	Lead	Field Blank	2.0 µg/sample	ND	NA
			Arsenic	Field Blank	4.0 µg/sample	ND	NA
	Bridge	0801-B-LA	Lead	496 minutes	2.0 µg/m ³	<2.0 µg/m ³	50 µg/m ³
			Arsenic	496 minutes	4.0 µg/m ³	<4.0 µg/m ³	10 µg/m ³
3-Aug-2006	Railyard	0803-RS-LA	Lead	480 minutes	2.1 µg/m ³	<2.1 µg/m ³	50 µg/m ³
			Arsenic	480 minutes	5.3 µg/m ³	<5.3 µg/m ³	10 µg/m ³
	Bridge	0803-B-LA	Lead	480 minutes	2.1 µg/m ³	<2.1 µg/m ³	50 µg/m ³
			Arsenic	480 minutes	5.2 µg/m ³	<5.2 µg/m ³	10 µg/m ³
7-Aug-2006	Railyard (SE Exit)	0807-RS-LA	Lead	480 minutes	2.1 µg/m ³	<2.1 µg/m ³	50 µg/m ³
			Arsenic	480 minutes	3.1 µg/m ³	<3.1 µg/m ³	10 µg/m ³
		0807-FB-LA	Lead	Field Blank	2.0 µg/sample	ND	NA
			Arsenic	Field Blank	3.0 µg/sample	ND	NA
	Bridge	0807-B-LA	Lead	473 minutes	2.1 µg/m ³	<2.1 µg/m ³	50 µg/m ³
			Arsenic	473 minutes	3.2 µg/m ³	<3.2 µg/m ³	10 µg/m ³
10-Aug-2006	Railyard	0810-RS-LA	Lead	486 minutes	2.1 µg/m ³	<2.1 µg/m ³	50 µg/m ³
			Arsenic	486 minutes	2.1 µg/m ³	<2.1 µg/m ³	10 µg/m ³
	Bridge	0810-B-LA	Lead	490 minutes	2.0 µg/m ³	<2.0 µg/m ³	50 µg/m ³
			Arsenic	490 minutes	2.0 µg/m ³	<2.0 µg/m ³	10 µg/m ³
14-Aug-2006	Railyard (SE Exit)	0814-RS-LA	Lead	511 minutes	2.0 µg/m ³	<2.0 µg/m ³	50 µg/m ³
			Arsenic	511 minutes	2.0 µg/m ³	<2.0 µg/m ³	10 µg/m ³
		0814-FB-LA	Lead	Field Blank	2.0 µg/sample	ND	NA
			Arsenic	Field Blank	2.0 µg/sample	ND	NA
	Bridge	0814-B-LA	Lead	512 minutes	2.0 µg/m ³	<2.0 µg/m ³	50 µg/m ³
			Arsenic	512 minutes	2.0 µg/m ³	<2.0 µg/m ³	10 µg/m ³
17-Aug-2006	Railyard Samples	0817-RS-LA	Lead	480 minutes	2.1 µg/m ³	<2.1 µg/m ³	50 µg/m ³
			Arsenic	480 minutes	4.2 µg/m ³	<4.2 µg/m ³	10 µg/m ³
	Bridge	0817-B-LA	Lead	480 minutes	2.1 µg/m ³	<2.1 µg/m ³	50 µg/m ³
			Arsenic	480 minutes	4.2 µg/m ³	<4.2 µg/m ³	10 µg/m ³
21-Aug-2006	Railyard (SE Exit)	0821-RS-LA	Lead	487 minutes	2.1 µg/m ³	<2.1 µg/m ³	50 µg/m ³
			Arsenic	487 minutes	4.1 µg/m ³	<4.1 µg/m ³	10 µg/m ³
		0821-FB-LA	Lead	Field Blank	2.0 µg/sample	ND	NA
			Arsenic	Field Blank	4.0 µg/sample	ND	NA
	Bridge	0821-B-LA	Lead	489 minutes	2.0 µg/m ³	<2.0 µg/m ³	50 µg/m ³
			Arsenic	489 minutes	4.1 µg/m ³	<4.1 µg/m ³	10 µg/m ³
24-Aug-2006	Railyard	0824-RS-LA	Lead	494 minutes	2.0 µg/m ³	<2.0 µg/m ³	50 µg/m ³
			Arsenic	494 minutes	3.0 µg/m ³	<3.0 µg/m ³	10 µg/m ³
	Bridge	0824-B-LA	Lead	487 minutes	2.1 µg/m ³	<2.1 µg/m ³	50 µg/m ³
			Arsenic	487 minutes	3.1 µg/m ³	<3.1 µg/m ³	10 µg/m ³
31-Aug-2006	Railyard (NW Corner)	0831-RY-LA	Lead	425 minutes	2.4 µg/m ³	<2.4 µg/m ³	50 µg/m ³
			Arsenic	425 minutes	3.5 µg/m ³	<3.5 µg/m ³	10 µg/m ³
		0831-FB-LA	Lead	Field Blank	2.0 µg/sample	ND	NA
			Arsenic	Field Blank	3.0 µg/sample	ND	NA
	Bridge	0831-B-LA	Lead	422 minutes	2.4 µg/m ³	<2.4 µg/m ³	50 µg/m ³
			Arsenic	422 minutes	3.6 µg/m ³	<3.6 µg/m ³	10 µg/m ³
28-Aug-2006	Railyard (SE Exit)	0828-RS-LA	Lead	524 minutes	1.9 µg/m ³	<1.9 µg/m ³	50 µg/m ³
			Arsenic	524 minutes	2.8 µg/m ³	<2.8 µg/m ³	10 µg/m ³
	Bridge	0828-B-LA	Lead	519 minutes	1.9 µg/m ³	<1.9 µg/m ³	50 µg/m ³
			Arsenic	519 minutes	2.8 µg/m ³	<2.8 µg/m ³	10 µg/m ³
5-Sep-2006	Railyard (NW Corner)	0905-RY-LA	Lead	502 minutes	2.0 µg/m ³	<2.0 µg/m ³	50 µg/m ³
			Arsenic	502 minutes	3.0 µg/m ³	<3.0 µg/m ³	10 µg/m ³
		0905-FB-LA	Lead	Field Blank	2.0 µg/sample	ND	NA
			Arsenic	Field Blank	3.0 µg/sample	ND	NA
	Schoolyard (NE Corner)	0905-NESY-LA	Lead	519 minutes	1.9 µg/m ³	<1.9 µg/m ³	50 µg/m ³
			Arsenic	519 minutes	2.8 µg/m ³	<2.8 µg/m ³	10 µg/m ³

Table 6-2 Summary of Metals in Air (Lead & Arsenic)

Date	Location	Sample ID	Analyte	Sample Time	Limit of Detection	Result	Monitoring Plan Limit
7-Sep-2006	Railyard (NW Corner)	0907-RY-LA	Lead	480 minutes	2.0 µg/m³	<2.0 µg/m³	50 µg/m³
			Arsenic	480 minutes	3.0 µg/m³	<3.0 µg/m³	10 µg/m³
	Schoolyard (NE Corner)	0907-NSY-LA	Lead	519 minutes	2.0 µg/m³	<2.0 µg/m³	50 µg/m³
			Arsenic	519 minutes	3.1 µg/m³	<3.1 µg/m³	10 µg/m³
11-Sep-2006	Railyard (NW Corner)	0911-RY-LA	Lead	494 minutes	0.51 µg/m³	<0.51 µg/m³	50 µg/m³
			Arsenic	494 minutes	1.0 µg/m³	<1.0 µg/m³	10 µg/m³
		0911-FB-LA	Lead	Field Blank	0.5 µg/sample	ND	NA
			Arsenic	Field Blank	1.0 µg/sample	ND	NA
	Schoolyard (NE Corner)	0911-NSY-LA	Lead	511 minutes	0.49 µg/m³	<0.49 µg/m³	50 µg/m³
			Arsenic	511 minutes	0.98 µg/m³	<0.98 µg/m³	10 µg/m³
	Inside School Building (Third Floor, NE Room) *Daytime Sampling Event*	0911-ISB-LA1	Lead	633 minutes	1.6 µg/m³	<1.6 µg/m³	50 µg/m³
			Arsenic	633 minutes	2.4 µg/m³	<2.4 µg/m³	10 µg/m³
		0911-ISB-LA2	Lead	623 minutes	1.6 µg/m³	<1.6 µg/m³	50 µg/m³
			Arsenic	623 minutes	2.4 µg/m³	<2.4 µg/m³	10 µg/m³
14-Sep-2006	Railyard (NW Corner)	0914-RY-LA	Lead	480 minutes	2.1 µg/m³	<2.1 µg/m³	50 µg/m³
			Arsenic	480 minutes	3.1 µg/m³	<3.1 µg/m³	10 µg/m³
	Schoolyard (NE Corner)	0914-NSY-LA	Lead	480 minutes	2.1 µg/m³	<2.1 µg/m³	50 µg/m³
			Arsenic	480 minutes	3.1 µg/m³	<3.1 µg/m³	10 µg/m³
18-Sep-2006	Railyard (NW Corner)	0918-RY-LA	Lead	492 minutes	2.0 µg/m³	<2.0 µg/m³	50 µg/m³
			Arsenic	492 minutes	3.0 µg/m³	<3.0 µg/m³	10 µg/m³
	Schoolyard (NE Corner)	0918-NSY-LA	Lead	494 minutes	2.0 µg/m³	<2.0 µg/m³	50 µg/m³
			Arsenic	494 minutes	3.0 µg/m³	<3.0 µg/m³	10 µg/m³
20-Sep-2006	Railyard (NW Corner)	0920-RY-LA	Lead	480 minutes	2.1 µg/m³	<2.1 µg/m³	50 µg/m³
			Arsenic	480 minutes	4.2 µg/m³	<4.2 µg/m³	10 µg/m³
		0920-FB-LA	Lead	Field Blank	2.0 µg/sample	ND	NA
			Arsenic	Field Blank	4.0 µg/sample	ND	NA
	Schoolyard (NE Corner)	0920-NSY-LA	Lead	490 minutes	2.0 µg/m³	<2.0 µg/m³	50 µg/m³
			Arsenic	490 minutes	4.1 µg/m³	<4.1 µg/m³	10 µg/m³
25-Sep-2006	Railyard (NW Corner)	0925-RY-LA	Lead	488 minutes	2.0 µg/m³	<2.0 µg/m³	50 µg/m³
			Arsenic	488 minutes	3.1 µg/m³	<3.1 µg/m³	10 µg/m³
	Schoolyard (NE Corner)	0925-NSY-LA	Lead	486 minutes	2.1 µg/m³	<2.1 µg/m³	50 µg/m³
			Arsenic	486 minutes	3.1 µg/m³	<3.1 µg/m³	10 µg/m³
28-Sep-2006	Railyard (NW Corner)	0928-RY-LA	Lead	478 minutes	2.1 µg/m³	<2.1 µg/m³	50 µg/m³
			Arsenic	478 minutes	4.2 µg/m³	<4.2 µg/m³	10 µg/m³
		0928-FB-LA	Lead	Field Blank	2.0 µg/sample	ND	NA
			Arsenic	Field Blank	4.0 µg/sample	ND	NA
	Schoolyard (NE Corner)	0928-NSY-LA	Lead	473 minutes	2.1 µg/m³	<2.1 µg/m³	50 µg/m³
			Arsenic	473 minutes	4.1 µg/m³	<4.1 µg/m³	10 µg/m³
2-Oct-2006	Railyard (NW Corner)	1002-RY-LA	Lead	516 minutes	1.9 µg/m³	<1.9 µg/m³	50 µg/m³
			Arsenic	516 minutes	3.9 µg/m³	<3.9 µg/m³	10 µg/m³
		1002-FB-LA	Lead	Field Blank	2.0 µg/sample	ND	NA
			Arsenic	Field Blank	4.0 µg/sample	ND	NA
	Schoolyard (NE Corner)	1002-NSY-LA	Lead	525 minutes	1.9 µg/m³	<1.9 µg/m³	50 µg/m³
			Arsenic	525 minutes	3.8 µg/m³	<3.8 µg/m³	10 µg/m³
5-Oct-2006	Railyard (NW Corner)	1005-RY-LA	Lead	503 minutes	2.0 µg/m³	<2.0 µg/m³	50 µg/m³
			Arsenic	503 minutes	3.0 µg/m³	<3.0 µg/m³	10 µg/m³
	Schoolyard (NE Corner)	1005-NSY-LA	Lead	510 minutes	2.0 µg/m³	<2.0 µg/m³	50 µg/m³
			Arsenic	510 minutes	2.9 µg/m³	<2.9 µg/m³	10 µg/m³
10-Oct-2006	Railyard (NW Corner)	1010-RY-LA	Lead	465 minutes	0.11 µg/m³	<0.11 µg/m³	50 µg/m³
			Arsenic	465 minutes	0.22 µg/m³	<0.22 µg/m³	10 µg/m³
	Schoolyard (NE Corner)	1010-NSY-LA	Lead	464 minutes	0.11 µg/m³	<0.11 µg/m³	50 µg/m³
			Arsenic	464 minutes	0.22 µg/m³	<0.22 µg/m³	10 µg/m³
13-Oct-2006	Railyard (East End)	1013-ERY-LA	Lead	463 minutes	2.2 µg/m³	<2.2 µg/m³	50 µg/m³
			Arsenic	463 minutes	3.2 µg/m³	<3.2 µg/m³	10 µg/m³
		1013-FB-LA	Lead	Field Blank	2.0 µg/sample	ND	NA
			Arsenic	Field Blank	3.0 µg/sample	ND	NA
	Schoolyard (NE Corner)	1013-NSY-LA	Lead	470 minutes	2.1 µg/m³	<2.1 µg/m³	50 µg/m³
			Arsenic	470 minutes	3.2 µg/m³	<3.2 µg/m³	10 µg/m³

Table 6-2 Summary of Metals in Air (Lead & Arsenic)

Date	Location	Sample ID	Analyte	Sample Time	Limit of Detection	Result	Monitoring Plan Limit
16-Oct-2006	Railyard (East End)	1016-ERY-LA	Lead	483 minutes	2.1 µg/m ³	<2.1 µg/m ³	50 µg/m ³
			Arsenic	483 minutes	3.1 µg/m ³	<3.1 µg/m ³	10 µg/m ³
		1016-FB-LA	Lead	Field Blank	2.0 µg/sample	ND	NA
			Arsenic	Field Blank	3.0 µg/sample	ND	NA
	Schoolyard (NE Corner)	1016-NSY-LA	Lead	490 minutes	2.0 µg/m ³	<2.0 µg/m ³	50 µg/m ³
			Arsenic	490 minutes	3.1 µg/m ³	<3.1 µg/m ³	10 µg/m ³
19-Oct-2006	Railyard (East End)	1019-ERY-LA	Lead	495 minutes	2.0 µg/m ³	<2.0 µg/m ³	50 µg/m ³
			Arsenic	495 minutes	3.0 µg/m ³	<3.0 µg/m ³	10 µg/m ³
	Schoolyard (NE Corner)	1019-NSY-LA	Lead	510 minutes	2.0 µg/m ³	<2.0 µg/m ³	50 µg/m ³
			Arsenic	510 minutes	2.9 µg/m ³	<2.9 µg/m ³	10 µg/m ³
23-Oct-2006	Railyard (East End)	1023-ERY-LA	Lead	520 minutes	0.096 µg/m ³	<0.096 µg/m ³	50 µg/m ³
			Arsenic	520 minutes	0.19 µg/m ³	<0.19 µg/m ³	10 µg/m ³
		1023-FB-LA	Lead	Field Blank	0.1 µg/sample	ND	NA
			Arsenic	Field Blank	0.2 µg/sample	ND	NA
	Schoolyard (NE Corner)	1023-NSY-LA	Lead	513 minutes	0.097 µg/m ³	<0.097 µg/m ³	50 µg/m ³
			Arsenic	513 minutes	0.19 µg/m ³	<0.19 µg/m ³	10 µg/m ³
26-Oct-2006	Railyard (East End)	1026-ERY-LA	Lead	532 minutes	1.9 µg/m ³	<1.9 µg/m ³	50 µg/m ³
			Arsenic	532 minutes	2.8 µg/m ³	<2.8 µg/m ³	10 µg/m ³
	Schoolyard (NE Corner)	1026-NSY-LA	Lead	528 minutes	1.9 µg/m ³	<1.9 µg/m ³	50 µg/m ³
			Arsenic	528 minutes	2.8 µg/m ³	<2.8 µg/m ³	10 µg/m ³
30-Oct-2006	Railyard (East End)	1030-ERY-LA	Lead	481 minutes	2.0 µg/m ³	<2.0 µg/m ³	50 µg/m ³
			Arsenic	481 minutes	3.0 µg/m ³	<3.0 µg/m ³	10 µg/m ³
		1030-FB-LA	Lead	Field Blank	2.0 µg/sample	ND	NA
			Arsenic	Field Blank	3.0 µg/sample	ND	NA
	Schoolyard (NE Corner)	1030-NSY-LA	Lead	482 minutes	2.1 µg/m ³	<2.1 µg/m ³	50 µg/m ³
			Arsenic	482 minutes	3.1 µg/m ³	<3.1 µg/m ³	10 µg/m ³
2-Nov-2006	Railyard (East End)	1102-ERY-LA	Lead	487 minutes	2.1 µg/m ³	<2.1 µg/m ³	50 µg/m ³
			Arsenic	487 minutes	3.1 µg/m ³	<3.1 µg/m ³	10 µg/m ³
	Schoolyard (NE Corner)	1102-NSY-LA	Lead	489 minutes	2.0 µg/m ³	<2.0 µg/m ³	50 µg/m ³
			Arsenic	489 minutes	3.1 µg/m ³	<3.1 µg/m ³	10 µg/m ³

Table 6-3 Summary of Naphthas in Air

Date	Location	Sample ID	Analyte	Sample Time	Limit of Detection	Result	Monitoring Plan Limit
1-Jun-06	Railyard	SK-N-1	Naphthas	322 minutes	0.72 mg/m ³	<0.72 mg/m ³	100 mg/m ³
		SK-N-FB	Naphthas	Field Blank	0.01 mg/sample	ND	NA
	Levee	SK-N-2	Naphthas	320 minutes	0.78 mg/m ³	<0.78 mg/m ³	100 mg/m ³
6-Jun-06	Railyard/School/Yard Grading & Paving	0606-RY-N-1	Naphthas	360 minutes	0.66 mg/m ³	<0.66 mg/m ³	100 mg/m ³
9-Jun-06	Railyard	0609RY-N-1M	Naphthas	330 minutes	0.73 mg/m ³	<0.73 mg/m ³	100 mg/m ³
		0609RY-N-1M	Naphthas	Field Blank	0.01 mg/sample	ND	N/A
13-Jun	Railyard	0613-RY-N-1	Naphthas	555 minutes	0.44 mg/m ³	<0.44 mg/m ³	100 mg/m ³
	Schoolyard	0613-SY-N-1	Naphthas	476 minutes	0.53 mg/m ³	<0.53 mg/m ³	100 mg/m ³
15-Jun	Railyard	0615-RY-N-1	Naphthas	544 minutes	0.45 mg/m ³	<0.45 mg/m ³	100 mg/m ³
		0615-RY-N-FB	Naphthas	Field Blank	0.01 mg/sample	ND	N/A
	Schoolyard	0615-SY-N-1	Naphthas	547 minutes	0.47 mg/m ³	<0.47 mg/m ³	100 mg/m ³
		0615-SY-N-FB	Naphthas	Field Blank	0.01 mg/sample	ND	N/A
20-Jun	Railyard	062006-RY-N-1	Naphthas	450 minutes	0.56 mg/m ³	<0.56 mg/m ³	100 mg/m ³
		062006-N-FB	Naphthas	Field Blank	0.01 mg/sample	ND	NA
	Schoolyard	062006-S-N-1	Naphthas	431 minutes	0.58 mg/m ³	<0.58 mg/m ³	100 mg/m ³
21-Jun	Railyard	0615-RY-N-1	Naphthas	544 minutes	0.53 mg/m ³	<0.53 mg/m ³	100 mg/m ³
	Schoolyard	0621-S-N-1	Naphthas	547 minutes	0.53 mg/m ³	<0.53 mg/m ³	100 mg/m ³
6/26/2006	Railyard	0626-RY-N-1	Naphthas	450 minutes	0.56 mg/m ³	<0.56 mg/m ³	100 mg/m ³
		0626-N-FB	Naphthas	Field Blank	0.01 mg/sample	ND	NA
	Schoolyard	062006-S-N-1	Naphthas	455 minutes	0.55 mg/m ³	<0.55 mg/m ³	100 mg/m ³
29-Jun	Railyard	0629-RY-N	Naphthas	512 minutes	0.49 mg/m ³	<0.49 mg/m ³	100 mg/m ³
	Schoolyard	0629-SY-N	Naphthas	516 minutes	0.47 mg/m ³	<0.47 mg/m ³	100 mg/m ³
6-Jul-06	Railyard	0706-RY-N	Naphthas	481 minutes	0.52 mg/m ³	<0.52 mg/m ³	100 mg/m ³
		0706-FB-N	Naphthas	Field Blank	0.01 mg/sample	ND	NA
	Bridge	0706-B-N	Naphthas	480 minutes	0.52 mg/m ³	<0.52 mg/m ³	100 mg/m ³
10-Jul-06	Railyard	0710-RY-N	Naphthas	490 minutes	0.51 mg/m ³	<0.51 mg/m ³	100 mg/m ³
		0710-N-FB	Naphthas	Field Blank	0.01 mg/sample	ND	NA
	Bridge	0710-B-N	Naphthas	492 minutes	0.50 mg/m ³	<0.50 mg/m ³	100 mg/m ³
14-Jul-06	Railyard	0714-RY-N	Naphthas	485 minutes	0.52 mg/m ³	<0.52 mg/m ³	100 mg/m ³
	Bridge	0714-B-N	Naphthas	486 minutes	0.51 mg/m ³	<0.51 mg/m ³	100 mg/m ³
18-Jul-06	Railyard	0718-RY-N	Naphthas	496 minutes	0.50 mg/m ³	<0.50 mg/m ³	100 mg/m ³
		0718-FB-N	Naphthas	Field Blank	0.01 mg/sample	ND	NA
24-Jul-06	Railyard	0724-RS-N	Naphthas	482 minutes	0.52 mg/m ³	<0.52 mg/m ³	100 mg/m ³
		0724-FB-N	Naphthas	Field Blank	0.01 mg/sample	ND	NA
	Bridge	0724-B-N	Naphthas	482 minutes	0.52 mg/m ³	<0.52 mg/m ³	100 mg/m ³
27-Jul-06	Railyard	0727-RS-N	Naphthas	490 minutes	0.50 mg/m ³	<0.50 mg/m ³	100 mg/m ³
	Bridge	0727-B-N	Naphthas	490 minutes	0.50 mg/m ³	<0.50 mg/m ³	100 mg/m ³
1-Aug-06	Railyard	0801-RS-N	Naphthas	497 minutes	0.50 mg/m ³	<0.50 mg/m ³	100 mg/m ³
		0801-N-FB	Naphthas	Field Blank	0.01 mg/sample	ND	NA
	Bridge	0801-B-N	Naphthas	496 minutes	0.51 mg/m ³	<0.51 mg/m ³	100 mg/m ³
3-Aug-06	Railyard	0803-RS-N	Naphthas	480 minutes	0.50 mg/m ³	<0.50 mg/m ³	100 mg/m ³
	Bridge	0803-B-N	Naphthas	480 minutes	0.50 mg/m ³	<0.50 mg/m ³	100 mg/m ³
7-Aug-06	Railyard (SE Exit)	0807-RS-N	Naphthas	480 minutes	0.53 mg/m ³	<0.53 mg/m ³	100 mg/m ³
		0807-FB-N	Naphthas	Field Blank	0.01 mg/sample	ND	NA
	Bridge	0807-B-N	Naphthas	473 minutes	0.53 mg/m ³	<0.53 mg/m ³	100 mg/m ³
10-Aug-06	Railyard	0810-RS-N	Naphthas	486 minutes	0.51 mg/m ³	<0.51 mg/m ³	100 mg/m ³
	Bridge	0810-B-N	Naphthas	490 minutes	0.51 mg/m ³	<0.51 mg/m ³	100 mg/m ³
14-Aug-06	Railyard (SE Exit)	0814-RS-N	Naphthas	511 minutes	0.48mg/m ³	<0.48 mg/m ³	100 mg/m ³
		0814-FB-N	Naphthas	Field Blank	0.01 mg/sample	ND	NA
	Bridge	0814-B-N	Naphthas	512 minutes	0.48 mg/m ³	<0.48 mg/m ³	100 mg/m ³
17-Aug-06	Railyard	0817-RS-N	Naphthas	480 minutes	0.52 mg/m ³	<0.52 mg/m ³	100 mg/m ³
	Bridge	0817-B-N	Naphthas	480 minutes	0.52 mg/m ³	<0.52 mg/m ³	100 mg/m ³
21-Aug-06	Railyard (SE Exit)	0821-RS-N	Naphthas	480 minutes	0.52 mg/m ³	<0.52 mg/m ³	100 mg/m ³
		0821-FB-N	Naphthas	Field Blank	0.01 mg/sample	ND	NA
	Bridge	0821-B-N	Naphthas	489 minutes	0.51 mg/m ³	<0.51 mg/m ³	100 mg/m ³
24-Aug-06	Railyard	0824-RS-N	Naphthas	494 minutes	0.50 mg/m ³	<0.50 mg/m ³	100 mg/m ³
	Bridge	0824-B-N	Naphthas	487 minutes	0.51 mg/m ³	<0.51 mg/m ³	100 mg/m ³
28-Aug-06	Railyard (SE Exit)	0828-RS-N	Naphthas	524 minutes	0.47 mg/m ³	<0.47 mg/m ³	100 mg/m ³
	Bridge	0828-B-N	Naphthas	519 minutes	0.49 mg/m ³	<0.49 mg/m ³	100 mg/m ³
31-Aug-06	Railyard (NW Corner)	0831-RY-N	Naphthas	425 minutes	0.57 mg/m ³	<0.57 mg/m ³	100 mg/m ³
		0831-FB-N	Naphthas	Field Blank	0.01 mg/sample	ND	NA
	Bridge	0831-B-N	Naphthas	422 minutes	0.59 mg/m ³	<0.59 mg/m ³	100 mg/m ³
5-Sep-06	Railyard (NW Corner)	0905-RY-N	Naphthas	502 minutes	0.49 mg/m ³	<0.49 mg/m ³	100 mg/m ³
		0905-FB-N	Naphthas	Field Blank	0.01 mg/sample	ND	NA
	Schoolyard (NE Corner)	0905-NESY-N	Naphthas	519 minutes	0.48 mg/m ³	<0.48 mg/m ³	100 mg/m ³
7-Sep-06	Schoolyard (NE Corner)	0907-NSY-N	Naphthas	519 minutes	0.51 mg/m ³	<0.51 mg/m ³	100 mg/m ³
11-Sep-06	Railyard (NW Corner)	0911-RY-N	Naphthas	494 minutes	0.50 mg/m ³	<0.50 mg/m ³	100 mg/m ³
		0911-FB-N	Naphthas	Field Blank	0.01 mg/sample	ND	NA
	Schoolyard (NE Corner)	0911-NSY-N	Naphthas	511 minutes	0.48 mg/m ³	<0.48 mg/m ³	100 mg/m ³
	Inside School Building (Third Floor, NE Room) *Daytime Sampling Event*	0911-ISB-N1	Naphthas	633 minutes	0.40 mg/m ³	<0.40 mg/m ³	100 mg/m ³
	Inside School Building (Third Floor, NE Room) No construction activities *Night Sampling Event*	0911-ISB-N2	Naphthas	623 minutes	0.41 mg/m ³	<0.41 mg/m ³	100 mg/m ³

Table 6-3 Summary of Naphthas in Air

Date	Location	Sample ID	Analyte	Sample Time	Limit of Detection	Result	Monitoring Plan Limit
14-Sep-06	Railyard (NW Corner)	0914-RY-N	Naphthas	480 minutes	0.52 mg/m ³	<0.52 mg/m ³	100 mg/m ³
	Schoolyard (NE Corner)	0914-NSY-N	Naphthas	480 minutes	0.52 mg/m ³	<0.52 mg/m ³	100 mg/m ³
18-Sep-06	Railyard (NW Corner)	0918-RY-N	Naphthas	492 minutes	0.52 mg/m ³	<0.52 mg/m ³	100 mg/m ³
	Schoolyard (NE Corner)	0918-NSY-N	Naphthas	494 minutes	0.51 mg/m ³	<0.51 mg/m ³	100 mg/m ³
	Inside School Building (Third Floor, NE Room)	0918-ISB-N	Naphthas	583 minutes	0.42 mg/m ³	<0.42 mg/m ³	100 mg/m ³
20-Sep-06	Railyard (NW Corner)	0920-RY-N	Naphthas	480 minutes	0.52 mg/m ³	<0.52 mg/m ³	100 mg/m ³
		0920-FB-N	Naphthas	Field Blank	0.01 mg/sample	ND	NA
	Schoolyard (NE Corner)	0920-NSY-N	Naphthas	490 minutes	0.51 mg/m ³	<0.51 mg/m ³	100 mg/m ³
	Inside School Building (Third Floor, NE Room)	0920-ISB-N	Naphthas	660 minutes	0.38 mg/m ³	<0.38 mg/m ³	100 mg/m ³
25-Sep-06	Railyard (NW Corner)	0925-RY-N	Naphthas	488 minutes	0.51 mg/m ³	<0.51 mg/m ³	100 mg/m ³
	Schoolyard (NE Corner)	0925-NSY-N	Naphthas	486 minutes	0.51 mg/m ³	<0.51 mg/m ³	100 mg/m ³
	Inside School Building (Third Floor, NE Room)	0925-ISB-N	Naphthas	488 minutes	0.51 mg/m ³	<0.51 mg/m ³	100 mg/m ³
28-Sep-06	Railyard (NW Corner)	0928-RY-N	Naphthas	478 minutes	0.51 mg/m ³	<0.51 mg/m ³	100 mg/m ³
		0928-FB-N	Naphthas	Field Blank	0.01 mg/sample	ND	NA
	Schoolyard (NE Corner)	0928-NSY-N	Naphthas	473 minutes	0.52 mg/m ³	<0.52 mg/m ³	100 mg/m ³
	Inside School Building (Third Floor, NE Room)	0928-ISB-N	Naphthas	473 minutes	0.52 mg/m ³	<0.52 mg/m ³	100 mg/m ³
2-Oct-06	Railyard (NW Corner)	1002-RY-N	Naphthas	516 minutes	0.48 mg/m ³	<0.48 mg/m ³	100 mg/m ³
		1002-FB-N	Naphthas	Field Blank	0.01 mg/sample	ND	NA
	Schoolyard (NE Corner)	1002-NSY-N	Naphthas	525 minutes	0.47 mg/m ³	<0.47 mg/m ³	100 mg/m ³
	Inside School Building (Third Floor, NE Room)	1002-ISB-N	Naphthas	515 minutes	0.49 mg/m ³	<0.49 mg/m ³	100 mg/m ³
5-Oct-06	Railyard (NW Corner)	1005-RY-N	Naphthas	503 minutes	0.49 mg/m ³	<0.49 mg/m ³	100 mg/m ³
	Schoolyard (NE Corner)	1005-NSY-N	Naphthas	510 minutes	0.49 mg/m ³	<0.49 mg/m ³	100 mg/m ³
	Inside School Building (Third Floor, NE Room)	1005-ISB-N	Naphthas	559 minutes	0.45 mg/m ³	<0.45 mg/m ³	100 mg/m ³
10-Oct-06	Railyard (NW Corner)	1010-RY-N	Naphthas	465 minutes	0.53 mg/m ³	<0.53 mg/m ³	100 mg/m ³
	Schoolyard (NE Corner)	1010-NSY-N	Naphthas	464 minutes	0.53 mg/m ³	<0.53 mg/m ³	100 mg/m ³
	Inside School Building (Third Floor, NE Room)	1010-ISB-N	Naphthas	463 minutes	0.53 mg/m ³	<0.53 mg/m ³	100 mg/m ³
13-Oct-06	Railyard (East End)	1013-ERY-N	Naphthas	463 minutes	0.53 mg/m ³	<0.53 mg/m ³	100 mg/m ³
		1013-FB-N	Naphthas	Field Blank	0.01 mg/sample	ND	NA
	Schoolyard (NE Corner)	1013-NSY-N	Naphthas	470 minutes	0.53 mg/m ³	<0.53 mg/m ³	100 mg/m ³
	Inside School Building (Third Floor, NE Room)	1013-ISB-N	Naphthas	457 minutes	0.54 mg/m ³	<0.54 mg/m ³	100 mg/m ³
16-Oct-06	Railyard (East End)	1016-ERY-N	Naphthas	483 minutes	0.52 mg/m ³	<0.52 mg/m ³	100 mg/m ³
		1016-FB-N	Naphthas	Field Blank	0.01 mg/sample	ND	NA
	Schoolyard (NE Corner)	1016-NSY-N	Naphthas	490 minutes	0.51 mg/m ³	<0.51 mg/m ³	100 mg/m ³
	Inside School Building (Third Floor, NE Room)	1016-ISB-N	Naphthas	480 minutes	0.52 mg/m ³	<0.52 mg/m ³	100 mg/m ³
19-Oct-06	Railyard (East End)	1019-ERY-N	Naphthas	495 minutes	0.51 mg/m ³	<0.51 mg/m ³	100 mg/m ³
	Schoolyard (NE Corner)	1019-NSY-N	Naphthas	510 minutes	0.49 mg/m ³	<0.49 mg/m ³	100 mg/m ³
	Inside School Building (Third Floor, NE Room)	1019-ISB-N	Naphthas	510 minutes	0.48 mg/m ³	<0.48 mg/m ³	100 mg/m ³
23-Oct-06	Railyard (East End)	1023-ERY-N	Naphthas	520 minutes	0.49 mg/m ³	<0.49 mg/m ³	100 mg/m ³
		1023-FB-N	Naphthas	Field Blank	0.01 mg/sample	ND	NA
	Schoolyard (NE Corner)	1023-NSY-N	Naphthas	513 minutes	0.48 mg/m ³	<0.48 mg/m ³	100 mg/m ³
	Inside School Building (Third Floor, NE Room)	1023-ISB-N	Naphthas	500 minutes	0.50 mg/m ³	<0.50 mg/m ³	100 mg/m ³
26-Oct-06	Railyard (East End)	1026-ERY-N	Naphthas	532 minutes	0.47 mg/m ³	<0.47 mg/m ³	100 mg/m ³
	Schoolyard (NE Corner)	1026-NSY-N	Naphthas	528 minutes	0.47 mg/m ³	<0.47 mg/m ³	100 mg/m ³
	Inside School Building (Third Floor, NE Room)	1026-ISB-N	Naphthas	491 minutes	0.50 mg/m ³	<0.50 mg/m ³	100 mg/m ³
30-Oct-06	Railyard (East End)	1030-ERY-N	Naphthas	481 minutes	0.52 mg/m ³	<0.52 mg/m ³	100 mg/m ³
		1030-FB-N	Naphthas	Field Blank	0.01 mg/sample	ND	NA
	Schoolyard (NE Corner)	1030-NSY-N	Naphthas	482 minutes	0.52 mg/m ³	<0.52 mg/m ³	100 mg/m ³
	Inside School Building (Third Floor, NE Room)	1030-ISB-N	Naphthas	496 minutes	0.50 mg/m ³	<0.50 mg/m ³	100 mg/m ³
2-Nov-06	Railyard (East End)	1102-ERY-N	Naphthas	487 minutes	0.51 mg/m ³	<0.51 mg/m ³	100 mg/m ³
	Schoolyard (NE Corner)	1102-NSY-N	Naphthas	489 minutes	0.51 mg/m ³	<0.51 mg/m ³	100 mg/m ³
	Inside School Building (Third Floor, NE Room)	1102-ISB-N	Naphthas	497 minutes	0.50 mg/m ³	<0.50 mg/m ³	100 mg/m ³

Table 6-4 Summary of Diesel Exhaust in Air

Date	Location	Sample ID	Analyte	Sample Time	Limit of Detection	Result	Monitoring Plan Limit
1-Jun-06	Railyard	SK-DP-1	Diesel Particulate (as Elemental Carbon)	322 minutes	2.0 µg/m³	<2.0 µg/m³	20 µg/m³
	Levee	SK-DP-2	Diesel Particulate (as Elemental Carbon)	320 minutes	2.0 µg/m³	<2.0 µg/m³	20 µg/m³
6-Jun-06	Railyard/School/Yard Grading & Paving	0606-RY-DP-1	Diesel Particulate (as Elemental Carbon)	360 minutes	1.8 µg/m³	<1.8 µg/m³	20 µg/m³
6/9/2006	Railyard	0609-RY-DP-1M	Diesel Particulate (as Elemental Carbon)	330 minutes	2.7 µg/m³	2.8 µg/m³	20 µg/m³
		0609-RY-DP-FB	Diesel Particulate (as Elemental Carbon)	Field Blank	1.3 µg/sample	ND	N/A
13-Jun	Railyard	0613-RY-DP-1	Diesel Particulate (as Elemental Carbon)	555 minutes	1.17 µg/m³	1.3 µg/m³	20 µg/m³
	Schoolyard	0613-SY-DP-1	Diesel Particulate (as Elemental Carbon)	540 minutes	1.4 µg/m³	1.5 µg/m³	20 µg/m³
20-Jun	Railyard	060206-RY-DP-1	Diesel Particulate (as Elemental Carbon)	450 minutes	1.4 µg/m³	1.8 µg/m³	20 µg/m³
		060206-DP-FB	Diesel Particulate (as Elemental Carbon)	Field Blank	1.3 µg/sample	ND	NA
	Schoolyard	060206-S-DP-1	Diesel Particulate (as Elemental Carbon)	447 minutes	1.5 µg/m³	2.0 µg/m³	20 µg/m³
26-Jun	Railyard	0626-RY-DP-1	Diesel Particulate (as Elemental Carbon)	450 minutes	1.4 µg/m³	2.0 µg/m³	20 µg/m³
		0626-DP-FB	Diesel Particulate (as Elemental Carbon)	Field Blank	1.3 µg/sample	ND	NA
	Schoolyard	060206-S-DP-1	Diesel Particulate (as Elemental Carbon)	455 minutes	1.4 µg/m³	2.7 µg/m³	20 µg/m³
6-Jul-06	Railyard	0706-RY-DP	Diesel Particulate (as Elemental Carbon)	481 minutes	1.4 µg/m³	1.6 µg/m³	20 µg/m³
		0706-FB-DP	Diesel Particulate (as Elemental Carbon)	Field Blank	1.3 µg/sample	ND	NA
	Bridge	0706-B-DP	Diesel Particulate (as Elemental Carbon)	480 minutes	1.4 µg/m³	<1.4 µg/m³	20 µg/m³
10-Jul-06	Railyard	0710-RY-DP	Diesel Particulate (as Elemental Carbon)	490 minutes	1.3 µg/m³	<1.3 µg/m³	20 µg/m³
		0710-DP-FB	Diesel Particulate (as Elemental Carbon)	Field Blank	1.3 µg/sample	ND	NA
	Bridge	0710-B-DP	Diesel Particulate (as Elemental Carbon)	492 minutes	1.3 µg/m³	2.3 µg/m³	20 µg/m³
18-Jul-06	Railyard	0718-RY-DP	Diesel Particulate (as Elemental Carbon)	496 minutes	1.3 µg/m³	<1.3 µg/m³	20 µg/m³
		0718-FB-DP	Diesel Particulate (as Elemental Carbon)	Field Blank	1.3 µg/sample	ND	NA
24-Jul-06	Railyard	0724-RS-DP	Diesel Particulate (as Elemental Carbon)	482 minutes	1.3 µg/m³	<1.3 µg/m³	20 µg/m³
		0724-DP-FB	Diesel Particulate (as Elemental Carbon)	Field Blank	1.3 µg/sample	ND	NA
	Bridge	0724-B-DP	Diesel Particulate (as Elemental Carbon)	482 minutes	1.3 µg/m³	<1.3 µg/m³	20 µg/m³
1-Aug-06	Railyard	0801-RS-DP	Diesel Particulate (as Elemental Carbon)	497 minutes	1.3 µg/m³	<1.3 µg/m³	20 µg/m³
		0801-DP-FB	Diesel Particulate (as Elemental Carbon)	Field Blank	1.3 µg/sample	ND	NA
	Bridge	0801-B-DP	Diesel Particulate (as Elemental Carbon)	496 minutes	1.3 µg/m³	<1.3 µg/m³	20 µg/m³
7-Aug-06	Railyard (SE Exit)	0807-RS-DP	Diesel Particulate (as Elemental Carbon)	480 minutes	1.4 µg/m³	<1.4 µg/m³	20 µg/m³
		0807-FB-DP	Diesel Particulate (as Elemental Carbon)	Field Blank	1.3 µg/sample	ND	NA
	Bridge	0807-B-DP	Diesel Particulate (as Elemental Carbon)	473 minutes	1.4 µg/m³	2.6 µg/m³	20 µg/m³
14-Aug-06	Railyard (SE Exit)	0814-RS-DP	Diesel Particulate (as Elemental Carbon)	511 minutes	1.3 µg/m³	<1.3 µg/m³	20 µg/m³
		0814-FB-DP	Diesel Particulate (as Elemental Carbon)	Field Blank	1.3 µg/sample	ND	NA
	Bridge	0814-B-DP	Diesel Particulate (as Elemental Carbon)	512 minutes	1.3 µg/m³	2.4 µg/m³	20 µg/m³
21-Aug-06	Railyard (SE Exit)	0821-RS-DP	Diesel Particulate (as Elemental Carbon)	487 minutes	1.3 µg/m³	<1.3 µg/m³	20 µg/m³
		0821-FB-DP	Diesel Particulate (as Elemental Carbon)	Field Blank	1.3 µg/sample	ND	NA
	Bridge	0821-B-DP	Diesel Particulate (as Elemental Carbon)	489 minutes	1.3 µg/m³	1.9 µg/m³	20 µg/m³
31-Aug-06	Railyard (NW Corner)	0831-RY-DPM	Diesel Particulate (as Elemental Carbon)	425 minutes	2.0 µg/m³	<2.0 µg/m³	20 µg/m³
		0831-FB-DPM	Diesel Particulate (as Elemental Carbon)	Field Blank	1.7 µg/sample	ND	NA
	Schoolyard (NE Corner)	0831-B-DPM	Diesel Particulate (as Elemental Carbon)	422 minutes	2.0 µg/m³	5.1 µg/m³	20 µg/m³
5-Sep-06	Railyard (NW Corner)	0905-RY-DPM	Diesel Particulate (as Elemental Carbon)	502 minutes	1.7 µg/m³	<1.7 µg/m³	20 µg/m³
		0905-FB-DPM	Diesel Particulate (as Elemental Carbon)	Field Blank	1.7 µg/sample	ND	NA
	Schoolyard (NE Corner)	0905-NESY-DPM	Diesel Particulate (as Elemental Carbon)	519 minutes	1.7 µg/m³	2.3 µg/m³	20 µg/m³

Table 6-4 Summary of Diesel Exhaust in Air

Date	Location	Sample ID	Analyte	Sample Time	Limit of Detection	Result	Monitoring Plan Limit
11-Sep-06	Railyard (NW Corner)	0911-RY-DPM	Diesel Particulate (as Elemental Carbon)	494 minutes	1.7 µg/m³	<1.7 µg/m³	20 µg/m³
		0911-FB-DPM	Diesel Particulate (as Elemental Carbon)	Field Blank	1.7 µg/sample	ND	NA
	Schoolyard (NE Corner)	0911-NSY-DPM	Diesel Particulate (as Elemental Carbon)	511 minutes	1.7 µg/m³	<1.7 µg/m³	20 µg/m³
	Inside School Building (Third Floor, NE Room) *Daytime Sampling Event*	0911-ISB-DPM1	Diesel Particulate (as Elemental Carbon)	633 minutes	1.7 µg/m³	<1.7 µg/m³	20 µg/m³
	Inside School Building (Third Floor, NE Room) No construction activities *Night Sampling Event*	0911-ISB-DPM2	Diesel Particulate (as Elemental Carbon)	623 minutes	1.7 µg/m³	<1.7 µg/m³	20 µg/m³
20-Sep-06	Railyard (NW Corner)	0920-RY-DPM	Diesel Particulate (as Elemental Carbon)	480 minutes	1.7 µg/m³	2.3 µg/m³	20 µg/m³
		0920-FB-DPM	Diesel Particulate (as Elemental Carbon)	Field Blank	1.7 µg/sample	ND	NA
	Schoolyard (NE Corner)	0920-NSY-DPM	Diesel Particulate (as Elemental Carbon)	490 minutes	1.7 µg/m³	3.5 µg/m³	20 µg/m³
28-Sep-06	Railyard (NW Corner)	0928-RY-DPM	Diesel Particulate (as Elemental Carbon)	478 minutes	1.7 µg/m³	1.9 µg/m³	20 µg/m³
		0928-FB-DPM	Diesel Particulate (as Elemental Carbon)	Field Blank	1.7 µg/sample	ND	NA
	Schoolyard (NE Corner)	0928-NSY-DPM	Diesel Particulate (as Elemental Carbon)	473 minutes	1.7 µg/m³	2.2 µg/m³	20 µg/m³
2-Oct-06	Railyard (NW Corner)	1002-RY-DPM	Diesel Particulate (as Elemental Carbon)	516 minutes	1.6 µg/m³	<1.6 µg/m³	20 µg/m³
		1002-FB-DPM	Diesel Particulate (as Elemental Carbon)	Field Blank	1.7 µg/sample	ND	NA
	Schoolyard (NE Corner)	1002-NSY-DPM	Diesel Particulate (as Elemental Carbon)	525 minutes	1.6 µg/m³	<1.6 µg/m³	20 µg/m³
13-Oct-06	Railyard (East End)	1013-ERY-DPM	Diesel Particulate (as Elemental Carbon)	463 minutes	1.8 µg/m³	<1.8 µg/m³	20 µg/m³
		1013-FB-DPM	Diesel Particulate (as Elemental Carbon)	Field Blank	1.7 µg/sample	ND	NA
	Schoolyard (NE Corner)	1013-NSY-DPM	Diesel Particulate (as Elemental Carbon)	470 minutes	1.8 µg/m³	<1.8 µg/m³	20 µg/m³
16-Oct-06	Railyard (East End)	1016-ERY-DPM	Diesel Particulate (as Elemental Carbon)	483 minutes	1.7 µg/m³	1.8 µg/m³	20 µg/m³
		1016-FB-DPM	Diesel Particulate (as Elemental Carbon)	Field Blank	1.7 µg/sample	ND	NA
	Schoolyard (NE Corner)	1016-NSY-DPM	Diesel Particulate (as Elemental Carbon)	490 minutes	1.7 µg/m³	3.2 µg/m³	20 µg/m³
23-Oct-06	Railyard (East End)	1023-ERY-DPM	Diesel Particulate (as Elemental Carbon)	520 minutes	1.7 µg/m³	1.7 µg/m³	20 µg/m³
		1023-FB-DPM	Diesel Particulate (as Elemental Carbon)	Field Blank	1.7 µg/sample	ND	NA
	Schoolyard (NE Corner)	1023-NSY-DPM	Diesel Particulate (as Elemental Carbon)	513 minutes	1.7 µg/m³	2.6 µg/m³	20 µg/m³
30-Oct-06	Railyard (East End)	1030-ERY-DPM	Diesel Particulate (as Elemental Carbon)	481 minutes	1.8 µg/m³	<1.8 µg/m³	20 µg/m³
		1030-FB-DPM	Diesel Particulate (as Elemental Carbon)	Field Blank	1.7 µg/sample	ND	NA
	Schoolyard (NE Corner)	1030-NSY-DPM	Diesel Particulate (as Elemental Carbon)	482 minutes	1.8 µg/m³	<1.8 µg/m³	20 µg/m³

Table 6-5 Summary of PAHs in Air

Date	Location	Sample ID	Analyte	Sample Time	Limit of Detection	Result	Monitoring Plan Limit
6/13/2007	Railyard	0613-RY-PAH-1	PAHs (as benzene solubles)	555 minutes	0.018 mg/m ³	<0.018 mg/m ³	0.2 mg/m ³
	Schoolyard	0613-SY-PAH-1	PAHs (as benzene solubles)	540 minutes	0.019 mg/m ³	<0.019 mg/m ³	0.2 mg/m ³
6/20/2007	Railyard	062006-RY-P-1	PAHs (as benzene solubles)	450 minutes	0.022 mg/m ³	<0.022 mg/m ³	0.2 mg/m ³
		062006-P-FB	PAHs (as benzene solubles)	Field Blank	0.02 mg/sample	ND	NA
	Schoolyard	062006-S-P-1	PAHs (as benzene solubles)	447 minutes	0.022 mg/m ³	<0.022 mg/m ³	0.2 mg/m ³
6/26/2007	Railyard	0626-RY-P-1	PAHs (as benzene solubles)	450 minutes	0.022 mg/m ³	0.027 mg/m ³	0.2 mg/m ³
		0626-P-FB	PAHs (as benzene solubles)	Field Blank	0.02 mg/sample	ND	NA
7/6/2006	Railyard	0706-RY-PAH	PAHs (as benzene solubles)	481 minutes	0.021 mg/m ³	<0.021 mg/m ³	0.2 mg/m ³
		0706-FB-PAH	PAHs (as benzene solubles)	Field Blank	0.02 mg/sample	ND	NA
	Bridge	0706-B-PAH	PAHs (as benzene solubles)	480 minutes	0.022 mg/m ³	<0.022 mg/m ³	0.2 mg/m ³
7/10/2006	Railyard	0710-RY-PAH	PAHs (as benzene solubles)	490 minutes	0.020 mg/m ³	<0.020 mg/m ³	0.2 mg/m ³
		0710-P-FB	PAHs (as benzene solubles)	Field Blank	0.02 mg/sample	ND	NA
	Bridge	0710-B-P	PAHs (as benzene solubles)	492 minutes	0.020 mg/m ³	<0.020 mg/m ³	0.2 mg/m ³
7/18/2006	Railyard	0718-RY-PAH	PAHs (as benzene solubles)	496 minutes	0.0003 mg/m ³	<0.0003 mg/m ³	0.2 mg/m ³
		0718-FB-PAH	PAHs (as benzene solubles)	Field Blank	0.6 mg/sample	ND	NA
7/24/2006	Railyard	0724-RS-P	PAHs (as benzene solubles)	482 minutes	0.031 mg/m ³	<0.031 mg/m ³	0.2 mg/m ³
	Bridge	0724-B-P	PAHs (as benzene solubles)	482 minutes	0.031 mg/m ³	0.078 mg/m ³	0.2 mg/m ³
8/1/2006	Railyard (SE Exit)	0801-RS-PAH	PAHs (as benzene solubles)	497 minutes	0.05 mg/m ³	<0.05 mg/m ³	0.2 mg/m ³
		0801-PAH-FB	PAHs (as benzene solubles)	Field Blank	0.05 mg/m ³	ND	NA
	Bridge	0801-B-PAH	PAHs (as benzene solubles)	496 minutes	0.05 mg/m ³	<0.05 mg/m ³	0.2 mg/m ³
8/7/2006	Railyard (SE Exit)	0807-RS-P	PAHs (as benzene solubles)	480 minutes	0.021 mg/m ³	<0.021 mg/m ³	0.2 mg/m ³
		0807-FB-P	PAHs (as benzene solubles)	Field Blank	0.02 mg/m ³	ND	NA
	Bridge	0807-B-P	PAHs (as benzene solubles)	473 minutes	0.021 mg/m ³	<0.021 mg/m ³	0.2 mg/m ³
8/14/2006	Railyard (SE Exit)	0814-RS-PAH	PAHs (as benzene solubles)	511 minutes	0.020 mg/m ³	<0.020 mg/m ³	0.2 mg/m ³
		0814-FB-PAH	PAHs (as benzene solubles)	Field Blank	0.02 mg/m ³	ND	NA
	Bridge	0814-B-PAH	PAHs (as benzene solubles)	512 minutes	0.020 mg/m ³	<0.020 mg/m ³	0.2 mg/m ³
8/21/2006	Railyard (SE Exit)	0821-RS-PAH	PAHs (as benzene solubles)	487 minutes	0.021 mg/m ³	<0.021 mg/m ³	0.2 mg/m ³
		0821-FB-PAH	PAHs (as benzene solubles)	Field Blank	0.02 mg/m ³	ND	NA
	Bridge	0821-B-PAH	PAHs (as benzene solubles)	489 minutes	0.020 mg/m ³	<0.020 mg/m ³	0.2 mg/m ³
8/31/2006	Railyard (NW Corner)	0831-RY-PAH	PAHs (as benzene solubles)	425 minutes	0.05 mg/m ³	<0.05 mg/m ³	0.2 mg/m ³
		0831-FB-PAH	PAHs (as benzene solubles)	Field Blank	0.04 mg/m ³	ND	NA
	Bridge	0831-B-PAH	PAHs (as benzene solubles)	422 minutes	0.05 mg/m ³	0.11 mg/m ³	0.2 mg/m ³
9/5/2006	Railyard (NW Corner)	0905-RY-PAH	PAHs (as benzene solubles)	502 minutes	0.04 mg/m ³	<0.04 mg/m ³	0.2 mg/m ³
		0905-FB-PAH	PAHs (as benzene solubles)	Field Blank	0.04 mg/m ³	ND	NA
	Schoolyard (NE Corner)	0905-NESY-PAH	PAHs (as benzene solubles)	519 minutes	0.04 mg/m ³	<0.04 mg/m ³	0.2 mg/m ³
9/11/2006	Railyard (NW Corner)	0911-RY-PAH	PAHs (as benzene solubles)	494 minutes	0.04 mg/m ³	<0.04 mg/m ³	0.2 mg/m ³
		0911-FB-PAH	PAHs (as benzene solubles)	Field Blank	0.04 mg/m ³	ND	NA
	Schoolyard (NE Corner)	0911-NSY-PAH	PAHs (as benzene solubles)	511 minutes	0.04 mg/m ³	<0.04 mg/m ³	0.2 mg/m ³
	Inside School Building (Third Floor, NE Room) *Daytime Sampling Event*	0911-ISB-PAH1	PAHs (as benzene solubles)	633 minutes	0.03 mg/m ³	<0.03 mg/m ³	0.2 mg/m ³
	Inside School Building (Third Floor, NE Room) No construction activities *Night Sampling Event*	0911-ISB-PAH2	PAHs (as benzene solubles)	623 minutes	0.03 mg/m ³	<0.03 mg/m ³	0.2 mg/m ³

Table 6-5 Summary of PAHs in Air

Date	Location	Sample ID	Analyte	Sample Time	Limit of Detection	Result	Monitoring Plan Limit
9/18/2006	Inside School Building (Third Floor, NE Room)	0918-ISB-PAH	PAHs (as benzene solubles)	583 minutes	0.034 mg/m ³	<0.034 mg/m ³	0.2 mg/m ³
9/20/2006	Railyard (NW Corner)	0920-RY-PAH	PAHs (as benzene solubles)	480 minutes	0.042 mg/m ³	<0.042 mg/m ³	0.2 mg/m ³
		0920-FB-PAH	PAHs (as benzene solubles)	Field Blank	0.04 mg/m ³	ND	NA
	Schoolyard (NE Corner)	0920-NSY-PAH	PAHs (as benzene solubles)	490 minutes	0.041 mg/m ³	<0.041 mg/m ³	0.2 mg/m ³
	Inside School Building (Third Floor, NE Room)	0920-ISB-PAH	PAHs (as benzene solubles)	660 minutes	0.03 mg/m ³	<0.03 mg/m ³	0.2 mg/m ³
9/25/2006	Inside School Building (Third Floor, NE Room)	0925-ISB-PAH	PAHs (as benzene solubles)	488 minutes	0.040 mg/m ³	<0.040 mg/m ³	0.2 mg/m ³
9/28/2006	Railyard (NW Corner)	0928-RY-PAH	PAHs (as benzene solubles)	478 minutes	0.042 mg/m ³	<0.042 mg/m ³	0.2 mg/m ³
		0928-FB-PAH	PAHs (as benzene solubles)	Field Blank	0.04 mg/m ³	ND	NA
	Schoolyard (NE Corner)	0928-NSY-PAH	PAHs (as benzene solubles)	473 minutes	0.041 mg/m ³	<0.041 mg/m ³	0.2 mg/m ³
	Inside School Building (Third Floor, NE Room)	0928-ISB-PAH	PAHs (as benzene solubles)	473 minutes	0.041 mg/m ³	<0.041 mg/m ³	0.2 mg/m ³
10/2/2006	Railyard (NW Corner)	1002-RY-PAH	PAHs (as benzene solubles)	516 minutes	0.039 mg/m ³	<0.039 mg/m ³	0.2 mg/m ³
		1002-FB-PAH	PAHs (as benzene solubles)	Field Blank	0.04 mg/m ³	ND	NA
	Schoolyard (NE Corner)	1002-NSY-PAH	PAHs (as benzene solubles)	525 minutes	0.038 mg/m ³	<0.038 mg/m ³	0.2 mg/m ³
	Inside School Building (Third Floor, NE Room)	1002-ISB-PAH	PAHs (as benzene solubles)	515 minutes	0.039 mg/m ³	<0.039 mg/m ³	0.2 mg/m ³
10/5/2006	Inside School Building (Third Floor, NE Room)	1005-ISB-PAH	PAHs (as benzene solubles)	559 minutes	0.040 mg/m ³	0.063 mg/m ³	0.2 mg/m ³
10/10/2006	Inside School Building (Third Floor, NE Room)	1010-ISB-PAH	PAHs (as benzene solubles)	463 minutes	0.043 mg/m ³	<0.043 mg/m ³	0.2 mg/m ³
10/13/2006	Railyard (East End)	1013-ERY-PAH	PAHs (as benzene solubles)	463 minutes	0.04 mg/m ³	<0.04 mg/m ³	0.2 mg/m ³
		1013-FB-PAH	PAHs (as benzene solubles)	Field Blank	0.04 mg/m ³	ND	NA
	Schoolyard (NE Corner)	1013-NSY-PAH	PAHs (as benzene solubles)	470 minutes	0.04 mg/m ³	<0.04 mg/m ³	0.2 mg/m ³
	Inside School Building (Third Floor, NE Room)	1013-ISB-PAH	PAHs (as benzene solubles)	457 minutes	0.04 mg/m ³	<0.04 mg/m ³	0.2 mg/m ³
10/16/2006	Railyard (East End)	1016-ERY-PAH	PAHs (as benzene solubles)	483 minutes	0.04 mg/m ³	<0.04 mg/m ³	0.2 mg/m ³
		1016-FB-PAH	PAHs (as benzene solubles)	Field Blank	0.04 mg/m ³	ND	NA
	Schoolyard (NE Corner)	1016-NSY-PAH	PAHs (as benzene solubles)	490 minutes	0.04 mg/m ³	<0.04 mg/m ³	0.2 mg/m ³
	Inside School Building (Third Floor, NE Room)	1016-ISB-PAH	PAHs (as benzene solubles)	480 minutes	0.04 mg/m ³	0.06 mg/m ³	0.2 mg/m ³
10/19/2006	Inside School Building (Third Floor, NE Room)	1019-ISB-PAH	PAHs (as benzene solubles)	510 minutes	0.04 mg/m ³	<0.04 mg/m ³	0.2 mg/m ³
10/23/2006	Railyard (East End)	1023-ERY-PAH	PAHs (as benzene solubles)	520 minutes	0.04 mg/m ³	<0.04 mg/m ³	0.2 mg/m ³
		1023-FB-PAH	PAHs (as benzene solubles)	Field Blank	0.04 mg/m ³	ND	NA
	Schoolyard (NE Corner)	1023-NSY-PAH	PAHs (as benzene solubles)	513 minutes	0.04 mg/m ³	<0.04 mg/m ³	0.2 mg/m ³
	Inside School Building (Third Floor, NE Room)	1023-ISB-PAH	PAHs (as benzene solubles)	500 minutes	0.04 mg/m ³	<0.04 mg/m ³	0.2 mg/m ³
10/26/2006	Inside School Building (Third Floor, NE Room)	1026-ISB-PAH	PAHs (as benzene solubles)	491 minutes	0.04 mg/m ³	<0.04 mg/m ³	0.2 mg/m ³
10/30/2006	Railyard (East End)	1030-ERY-PAH	PAHs (as benzene solubles)	481 minutes	0.04 mg/m ³	<0.04 mg/m ³	0.2 mg/m ³
		1030-FB-PAH	PAHs (as benzene solubles)	Field Blank	0.04 mg/m ³	ND	NA
	Schoolyard (NE Corner)	1030-NSY-PAH	PAHs (as benzene solubles)	482 minutes	0.04 mg/m ³	<0.04 mg/m ³	0.2 mg/m ³
	Inside School Building (Third Floor, NE Room)	1030-ISB-PAH	PAHs (as benzene solubles)	496 minutes	0.04 mg/m ³	<0.04 mg/m ³	0.2 mg/m ³
11/2/2006	Inside School Building (Third Floor, NE Room)	1102-ISB-PAH	PAHs (as benzene solubles)	497 minutes	0.04 mg/m ³	<0.04 mg/m ³	0.2 mg/m ³

Table 6-6 Summary of Respirable Dust in Air

Date	Location	Sample ID	Analyte	Sample Time	Limit of Detection	Result	Monitoring Plan Limit
June 1, 2006	Railyard	7221 Tag #2	Respirable Dust	341 minutes	0.0001 µg/m ³	1.913 µg/m ³	5,000 µg/m ³
June 6, 2006	Railyard	7221 Tag #3	Respirable Dust	157 minutes	0.0001 µg/m ³	Maximum = 8 µg/m ³ Average = 1.9 µg/m ³	5,000 µg/m ³
	Schoolyard	7221 Tag #4	Respirable Dust	191 minutes	0.0001 µg/m ³	Maximum = 17 µg/m ³ Average = 2.1 µg/m ³	5,000 µg/m ³
June 9, 2006	Railyard/ Schoolyard	7221 Tag #0	Respirable Dust	321 minutes	0.0001 µg/m ³	Maximum = 298 µg/m ³ Average = 16 µg/m ³	5,000 µg/m ³
Date	Location	Sample ID	Analyte	Peak Concentration [One minute]	Average Concentration	Monitoring Plan limit	
12-Jun-2006	Railyard	DataRam4, Serial #D417, Tag 6	Respirable Dust	147 ug/m ³	5.02 ug/m ³	5,000 µg/m ³	
13-Jun-2006	Railyard	DataRam4, Serial #D417, Tag 7	Respirable Dust	21 ug/m ³	2.20 ug/m ³	5,000 µg/m ³	
14-Jun-2006	Railyard	DataRam4, Serial #D417, Tag 8	Respirable Dust	39 ug/m ³	<1 ug/m ³	5,000 µg/m ³	
15-Jun-2006	Railyard	DataRam4, Serial #D417, Tag 9	Respirable Dust	209 ug/m ³	2.29 ug/m ³	5,000 µg/m ³	
16-Jun-2006	Schoolyard	DataRam4, Serial #D417, Tag 10	Respirable Dust	21 ug/m ³	1.3 ug/m ³	5,000 µg/m ³	
19-Jun-2006	Railyard	DataRam4, Serial #D417, Tag 11	Respirable Dust	4.9 ug/m ³	<1 ug/m ³	5,000 µg/m ³	
20-Jun-2006	Railyard	DataRam4, Serial #D417, Tag 12	Respirable Dust	16 ug/m ³	<1 ug/m ³	5,000 µg/m ³	
21-Jun-2006	Railyard	DataRam4, Serial #D417, Tag 13	Respirable Dust	123 µgm ³	<1 ug/m ³	5,000 µg/m ³	
22-Jun-2006	Railyard	DataRam4, Serial #D417, Tag 14	Respirable Dust	31 ug/m ³	1.4 ug/m ³	5,000 µg/m ³	
23-Jun-2006	Schoolyard	DataRam4, Serial #D417, Tag 15	Respirable Dust	8.6 ug/m ³	2.0 ug/m ³	5,000 µg/m ³	
26-Jun-2006	Railyard	DataRam4, Serial #D201, Tag 2	Respirable Dust	64 ug/m ³	19 ug/m ³	5,000 µg/m ³	
26-Jun-2006	Schoolyard	DataRam4, Serial #D417, Tag 16	Respirable Dust	15 ug/m ³	5 ug/m ³	5,000 µg/m ³	
27-Jun-2006	Railyard	DataRam4, Serial #D417, Tag 17	Respirable Dust	130 ug/m ³	14 ug/m ³	5,000 µg/m ³	
	Schoolyard	DataRam4, Serial #D201, Tag 3	Respirable Dust	135 ug/m ³	9 ug/m ³		
28-Jun-2006	Railyard	DataRam4, Serial #D417, Tag 18	Respirable Dust	68 ug/m ³	5 ug/m ³	5,000 µg/m ³	
	Schoolyard	DataRam4, Serial #D201, Tag 4	Respirable Dust	33 ug/m ³	9 ug/m ³		
29-Jun-2006	Railyard	DataRam4, Serial #D201, Tag 5	Respirable Dust	201 ug/m ³	14 ug/m ³	5,000 µg/m ³	
	Schoolyard	DataRam4, Serial #D417, Tag 19	Respirable Dust	20 ug/m ³	2 ug/m ³		
30-Jun-2006	Railyard	DataRam4, Serial #D4, Tag 20	Respirable Dust	64 ug/m ³	3 ug/m ³	5,000 µg/m ³	
5-Jul-2006	Railyard	DataRam4, Serial #D417, Tag #21	Respirable Dust	111 µg/m ³	22.5 µg/m ³	5,000 µg/m ³	
6-Jul-2006	Bridge	DataRam4, Serial #D417, Tag #22	Respirable Dust	207 µg/m ³	7.8 µg/m ³	5,000 µg/m ³	
7-Jul-2006	Railyard	DataRam4, Serial #D417, Tag #23	Respirable Dust	962 µg/m ³	8.5 µg/m ³	5,000 µg/m ³	
8-Jul-2006	Railyard	DataRam4, Serial #D417, Tag #24	Respirable Dust	64 µg/m ³	5.2 µg/m ³	5,000 µg/m ³	
10-Jul-2006	Railyard	DataRam4, Serial #D417, Tag #25	Respirable Dust	113 µg/m ³	5.5 µg/m ³	5,000 µg/m ³	
11-Jul-2006	Railyard	DataRam4, Serial #D417, Tag #26	Respirable Dust	112 µg/m ³	8.7 µg/m ³	5,000 µg/m ³	
12-Jul-2006	Railyard	DataRam4, Serial #D417, Tag #27	Respirable Dust	167 µg/m ³	4.9 µg/m ³	5,000 µg/m ³	
13-Jul-2006	Railyard	DataRam4, Serial #D417, Tag #28	Respirable Dust	425 µg/m ³	10.4 µg/m ³	5,000 µg/m ³	
14-Jul-2006	Railyard	DataRam4, Serial #D417, Tag #29	Respirable Dust	239 µg/m ³	8.3 µg/m ³	5,000 µg/m ³	
15-Jul-2006	Railyard	DataRam4, Serial #D417, Tag #30	Respirable Dust	46.7 µg/m ³	3.2 µg/m ³	5,000 µg/m ³	
24-Jul-2006	Bridge	DataRam4, Serial #D416 Tag #23	Respirable Dust	58 µg/m ³	7.8 µg/m ³	5,000 µg/m ³	
	Railyard	DataRam4, Serial #D417 Tag #37	Respirable Dust	333 µg/m ³	9.5 µg/m ³		
25-Jul-2006	Bridge	DataRam4, Serial #D416 Tag #24	Respirable Dust	50 µg/m ³	5.4 µg/m ³	5,000 µg/m ³	
	Railyard	DataRam4, Serial #D417 Tag #38	Respirable Dust	121 µg/m ³	10.2 µg/m ³		
26-Jul-2006	Bridge	DataRam4, Serial #D416 Tag #25	Respirable Dust	117 µg/m ³	5.1 µg/m ³	5,000 µg/m ³	
	Railyard	DataRam4, Serial #D417 Tag #39	Respirable Dust	125 µg/m ³	7.5 µg/m ³		
27-Jul-2006	Bridge	DataRam4, Serial #D416 Tag #26	Respirable Dust	268 µg/m ³	5.6 µg/m ³	5,000 µg/m ³	
	Railyard	DataRam4, Serial #D417 Tag #40	Respirable Dust	80 µg/m ³	5.7 µg/m ³		
28-Jul-2006	Bridge	DataRam4, Serial #D416 Tag #27	Respirable Dust	156 µg/m ³	5.8 µg/m ³	5,000 µg/m ³	
	Railyard	DataRam4, Serial #D417 Tag #41	Respirable Dust	164 µg/m ³	11.4 µg/m ³		
29-Jul-2006	Bridge	DataRam4, Serial #D417 Tag #42	Respirable Dust	66 µg/m ³	5.7 µg/m ³	5,000 µg/m ³	
	Railyard	DataRam4, Serial #D416 Tag #28	Respirable Dust	99 µg/m ³	4.9 µg/m ³		
31-Jul-2006	Bridge	DataRam4, Serial #D416 Tag 29	Respirable Dust	134 µg/m ³	2.7 µg/m ³	5,000 µg/m ³	
	Railyard	DataRam4, Serial #D417 Tag 43	Respirable Dust	496 µg/m ³	7.5 µg/m ³		
1-Aug-2006	Bridge	DataRam4, Serial #D416 Tag 30	Respirable Dust	60 µg/m ³	3.5 µg/m ³	5,000 µg/m ³	
	Railyard	DataRam4, Serial #D417 Tag 44	Respirable Dust	367 µg/m ³	10.6 µg/m ³		

Table 6-6 Summary of Respirable Dust in Air

Date	Location	Sample ID	Analyte	Sample Time	Limit of Detection	Result	Monitoring Plan Limit
June 1, 2006	Railyard	7221 Tag #2	Respirable Dust	341 minutes	0.0001 µg/m³	1.913 µg/m³	5,000 µg/m³
June 6, 2006	Railyard	7221 Tag #3	Respirable Dust	157 minutes	0.0001 µg/m³	Maximum = 8 µg/m³	5,000 µg/m³
						Average = 1.9 µg/m³	
	Schoolyard	7221 Tag #4	Respirable Dust	191 minutes	0.0001 µg/m³	Maximum = 17 µg/m³	5,000 µg/m³
June 9, 2006	Railyard/ Schoolyard	7221 Tag #0	Respirable Dust	321 minutes	0.0001 µg/m³	Average = 2.1 µg/m³	
						Maximum = 298 µg/m³	5,000 µg/m³
						Average = 16 µg/m³	
Date	Location	Sample ID	Analyte	Peak Concentration [One minute]	Average Concentration		Monitoring Plan limit
2-Aug-2006	Bridge	DataRam4, Serial #D417 Tag 45	Respirable Dust	362 µg/m³	17.6 µg/m³		5,000 µg/m³
	Railyard	DataRam4, Serial #D416 Tag 31	Respirable Dust	176 µg/m³	4.4 µg/m³		
3-Aug-2006	Bridge	DataRam4, Serial #D416 Tag 32	Respirable Dust	122 µg/m³	22.6 µg/m³		5,000 µg/m³
	Railyard	DataRam4, Serial #D417 Tag 46	Respirable Dust	63 µg/m³	4.0 µg/m³		
4-Aug-2006	Bridge	DataRam4, Serial #D416 Tag 33	Respirable Dust	349 µg/m³	30.6 µg/m³		5,000 µg/m³
	Railyard	DataRam4, Serial #D417 Tag 47	Respirable Dust	121 µg/m³	5.4 µg/m³		
5-Aug-2006	Bridge	DataRam4, Serial #D416 Tag 34	Respirable Dust	189 µg/m³	7.4 µg/m³		5,000 µg/m³
	Railyard	DataRam4, Serial #D416 Tag 48	Respirable Dust	249 µg/m³	12.6 µg/m³		
7-Aug-2006	Bridge	DataRam4, Serial #D416 Tag 35	Respirable Dust	99 µg/m³	10.0 µg/m³		5,000 µg/m14
	Railyard	DataRam4, Serial #D417 Tag 49	Respirable Dust	369 µg/m³	14.3 µg/m³		
8-Aug-2006	Bridge	DataRam4, Serial #D416 Tag 36	Respirable Dust	44 µg/m³	10.0 µg/m³		5,000 µg/m³
	Railyard	DataRam4, Serial #D417 Tag 50	Respirable Dust	99 µg/m³	14.3 µg/m³		
9-Aug-2006	Bridge	DataRam4, Serial #D416 Tag 37	Respirable Dust	369 µg/m³	13.7 µg/m³		5,000 µg/m³
	Railyard	DataRam4, Serial #D417 Tag 51	Respirable Dust	98 µg/m³	7.6 µg/m³		
10-Aug-2006	Bridge	DataRam4, Serial #D416 Tag 38	Respirable Dust	30 µg/m³	5.1 µg/m³		5,000 µg/m³
	Railyard	DataRam4, Serial #D417 Tag 52	Respirable Dust	694 µg/m³	13.2 µg/m³		
11-Aug-2006	Bridge	DataRam4, Serial #D416 Tag 39	Respirable Dust	24 µg/m³	6.0 µg/m³		5,000 µg/m³
	Railyard	DataRam4, Serial #D417 Tag 53	Respirable Dust	117 µg/m³	10.2 µg/m³		
12-Aug-2006	Bridge	DataRam4, Serial #D416 Tag 40	Respirable Dust	35 µg/m³	8.7 µg/m³		5,000 µg/m³
	Railyard	DataRam4, Serial #D417 Tag 54	Respirable Dust	117 µg/m³	12.3 µg/m³		
14-Aug-2006	Bridge	DataRam4, Serial #D416 Tag 41	Respirable Dust	80 µg/m³	9.1 µg/m³		5,000 µg/m³
	Railyard	DataRam4, Serial #D417 Tag 55	Respirable Dust	83 µg/m³	9.1 µg/m³		
15-Aug-2006	Bridge	DataRam4, Serial #D416 Tag 42	Respirable Dust	320 µg/m³	7.7 µg/m³		5,000 µg/m³
	Railyard	DataRam4, Serial #D417 Tag 56	Respirable Dust	318 µg/m³	17.8 µg/m³		
16-Aug-2006	Bridge	DataRam4, Serial #D416 Tag 43	Respirable Dust	40 µg/m³	5.6 µg/m³		5,000 µg/m³
	Railyard	DataRam4, Serial #D417 Tag 57	Respirable Dust	1,658 µg/m³	17.7 µg/m³		
17-Aug-2006	Bridge	DataRam4, Serial #D416 Tag 44	Respirable Dust	35 µg/m³	9.8 µg/m³		5,000 µg/m³
	Railyard	DataRam4, Serial #D417 Tag 58	Respirable Dust	384 µg/m³	14.7 µg/m³		
18-Aug-2006	Bridge	DataRam4, Serial #D416 Tag 45	Respirable Dust	297 µg/m³	13.9 µg/m³		5,000 µg/m³
	Railyard	DataRam4, Serial #D417 Tag 59	Respirable Dust	189 µg/m³	17.2 µg/m³		
19-Aug-2006	Bridge	DataRam4, Serial #D416 Tag 46	Respirable Dust	124 µg/m³	19.0 µg/m³		5,000 µg/m³
	Railyard	DataRam4, Serial #D417 Tag 60	Respirable Dust	99 µg/m³	16.4 µg/m³		
21-Aug-2006	Bridge	DataRam4, Serial #D416 Tag 47	Respirable Dust	114 µg/m³	8.4 µg/m³		5,000 µg/m³
	Railyard	DataRam4, Serial #D417 Tag 61	Respirable Dust	133 µg/m³	8.7 µg/m³		
22-Aug-2006	Bridge	DataRam4, Serial #D416 Tag 48	Respirable Dust	114 µg/m³	8.4 µg/m³		5,000 µg/m³
	Railyard	DataRam4, Serial #D417 Tag 62	Respirable Dust	95 µg/m³	12.1 µg/m³		
23-Aug-2006	Bridge	DataRam4, Serial #D416 Tag 49	Respirable Dust	31 µg/m³	10.4 µg/m³		5,000 µg/m³
	Railyard	DataRam4, Serial #D417 Tag 63	Respirable Dust	86 µg/m³	17.4 µg/m³		
24-Aug-2006	Bridge	DataRam4, Serial #D416 Tag 50	Respirable Dust	62 µg/m³	6.6 µg/m³		5,000 µg/m³
	Railyard	DataRam4, Serial #D417 Tag 64	Respirable Dust	131 µg/m³	5.2 µg/m³		
25-Aug-2006	Bridge	DataRam4, Serial #D416 Tag 51	Respirable Dust	380 µg/m³	12.5 µg/m³		5,000 µg/m³
	Railyard	DataRam4, Serial #D417 Tag 65	Respirable Dust	240 µg/m³	14.7 µg/m³		
26-Aug-2006	Bridge	DataRam4, Serial #D416 Tag 52	Respirable Dust	84 µg/m³	13.0 µg/m³		5,000 µg/m³
	Railyard	DataRam4, Serial #D417 Tag 66	Respirable Dust	314 µg/m³	23.8 µg/m³		

Table 6-6 Summary of Respirable Dust in Air

Date	Location	Sample ID	Analyte	Sample Time	Limit of Detection	Result	Monitoring Plan Limit
June 1, 2006	Railyard	7221 Tag #2	Respirable Dust	341 minutes	0.0001 µg/m ³	1.913 µg/m ³	5,000 µg/m ³
June 6, 2006	Railyard	7221 Tag #3	Respirable Dust	157 minutes	0.0001 µg/m ³	Maximum = 8 µg/m ³ Average = 1.9 µg/m ³	5,000 µg/m ³
	Schoolyard	7221 Tag #4	Respirable Dust	191 minutes	0.0001 µg/m ³	Maximum = 17 µg/m ³ Average = 2.1 µg/m ³	5,000 µg/m ³
June 9, 2006	Railyard/ Schoolyard	7221 Tag #0	Respirable Dust	321 minutes	0.0001 µg/m ³	Maximum = 298 µg/m ³ Average = 16 µg/m ³	5,000 µg/m ³
Date	Location	Sample ID	Analyte	Peak Concentration [One minute]	Average Concentration	Monitoring Plan limit	
28-Aug-2006	Bridge	DataRam4, Serial #D416 Tag 53	Respirable Dust	508 µg/m ³	11.9 µg/m ³	5,000 µg/m ³	
	Railyard	DataRam4, Serial #D417 Tag 67	Respirable Dust	342 µg/m ³	20.1 µg/m ³		
29-Aug-2006	Bridge	DataRam4, Serial #D416 Tag 01	Respirable Dust	153 µg/m ³	4.9 µg/m ³	5,000 µg/m ³	
	Railyard	DataRam4, Serial #D417 Tag 01	Respirable Dust	73 µg/m ³	7.0 µg/m ³		
31-Aug-2006	Bridge	DataRam4, Serial #D416 Tag 02	Respirable Dust	57 µg/m ³	3.0 µg/m ³	5,000 µg/m ³	
	Railyard	DataRam4, Serial #D417 Tag 02	Respirable Dust	282 µg/m ³	15.0 µg/m ³		
1-Sep-2006	Bridge	DataRam4, Serial #D416 Tag 03	Respirable Dust	176 µg/m ³	3.4 µg/m ³	5,000 µg/m ³	
	Railyard	DataRam4, Serial #D417 Tag 03	Respirable Dust	152 µg/m ³	5.4 µg/m ³		
5-Sep-2006	Railyard	DataRam4, Serial #D417 Tag 04	Respirable Dust	255 µg/m ³	20.0 µg/m ³	5,000 µg/m ³	
	Schoolyard	DataRam4, Serial #D416 Tag 04	Respirable Dust	47 µg/m ³	6.9 µg/m ³		
6-Sep-2006	Railyard	DataRam4, Serial #D417 Tag 05	Respirable Dust	58 µg/m ³	7.8 µg/m ³	5,000 µg/m ³	
	Schoolyard	DataRam4, Serial #D416 Tag 05	Respirable Dust	73 µg/m ³	5.7 µg/m ³		
7-Sep-2006	Railyard	DataRam4, Serial #D417 Tag 06	Respirable Dust	148 µg/m ³	8.0 µg/m ³	5,000 µg/m ³	
	Schoolyard	DataRam4, Serial #D416 Tag 06	Respirable Dust	65 µg/m ³	5.2 µg/m ³		
8-Sep-2006	Railyard	DataRam4, Serial #D417 Tag 07	Respirable Dust	58 µg/m ³	10.5 µg/m ³	5,000 µg/m ³	
	Schoolyard	DataRam4, Serial #D416 Tag 07	Respirable Dust	65 µg/m ³	5.3 µg/m ³		
9-Sep-2006	Railyard	DataRam4, Serial #D417 Tag 08	Respirable Dust	114 µg/m ³	4.1 µg/m ³	5,000 µg/m ³	
	Schoolyard	DataRam4, Serial #D416 Tag 08	Respirable Dust	356 µg/m ³	7.2 µg/m ³		
11-Sep-2006	NE Schoolyard	DataRam4, Serial #D416 Tag 09	Respirable Dust	190 µg/m ³	3.1 µg/m ³	5,000 µg/m ³	
	Railyard	DataRam4, Serial #D417 Tag 09	Respirable Dust	80 µg/m ³	6.2 µg/m ³		
12-Sep-2006	NE Schoolyard	DataRam4, Serial #D416 Tag 010	Respirable Dust	84 µg/m ³	2.8 µg/m ³	5,000 µg/m ³	
	Railyard	DataRam4, Serial #D417 Tag 010	Respirable Dust	101 µg/m ³	5.2 µg/m ³		
13-Sep-2006	NE Schoolyard	DataRam4, Serial #D416 Tag 011	Respirable Dust	161 µg/m ³	2.3 µg/m ³	5,000 µg/m ³	
	Railyard	DataRam4, Serial #D417 Tag 011	Respirable Dust	287 µg/m ³	9.2 µg/m ³		
15-Sep-2006	NE Schoolyard	DataRam4, Serial #D416 Tag 012	Respirable Dust	500 µg/m ³	3.2 µg/m ³	5,000 µg/m ³	
	Railyard	DataRam4, Serial #D417 Tag 012	Respirable Dust	55 µg/m ³	4.1 µg/m ³		
19-Sep-2006	NE Schoolyard	DataRam4, Serial #D416 Tag 013	Respirable Dust	30 µg/m ³	2.4 µg/m ³	5,000 µg/m ³	
	Railyard	DataRam4, Serial #D417 Tag 013	Respirable Dust	513 µg/m ³	11.6 µg/m ³		
22-Sep-2006	NE Schoolyard	DataRam4, Serial #D416 Tag 014	Respirable Dust	92 µg/m ³	3.0 µg/m ³	5,000 µg/m ³	
	Bridge	DataRam4, Serial #D495 Tag 1	Respirable Dust	27 µg/m ³	11.2 µg/m ³		
	Railyard	DataRam4, Serial #D417 Tag 014	Respirable Dust	48 µg/m ³	4.0 µg/m ³		
23-Sep-2006	NE Schoolyard	DataRam4, Serial #D416 Tag 015	Respirable Dust	80 µg/m ³	1.9 µg/m ³	5,000 µg/m ³	
	Bridge	DataRam4, Serial #D495 Tag 2	Respirable Dust	15 µg/m ³	2.6 µg/m ³		
	Railyard	DataRam4, Serial #D417 Tag 015	Respirable Dust	59 µg/m ³	4.3 µg/m ³		
25-Sep-2006	Bridge	DataRam4, Serial #D495 Tag 3	Respirable Dust	24 µg/m ³	8.2 µg/m ³	5,000 µg/m ³	
	NE Schoolyard	DataRam4, Serial #D416 Tag 016	Respirable Dust	24 µg/m ³	2.2 µg/m ³		
	Railyard	DataRam4, Serial #D417 Tag 016	Respirable Dust	52 µg/m ³	4.1 µg/m ³		
26-Sep-2006	Bridge	DataRam4, Serial #D495 Tag 4	Respirable Dust	53 µg/m ³	19.1 µg/m ³	5,000 µg/m ³	
	NE Schoolyard	DataRam4, Serial #D416 Tag 017	Respirable Dust	44 µg/m ³	2.7 µg/m ³		
	Railyard	DataRam4, Serial #D417 Tag 017	Respirable Dust	98 µg/m ³	4.6 µg/m ³		
27-Sep-2006	Bridge	DataRam4, Serial #D495 Tag 5	Respirable Dust	14 µg/m ³	7.8 µg/m ³	5,000 µg/m ³	
	NE Schoolyard	DataRam4, Serial #D416 Tag 018	Respirable Dust	320 µg/m ³	16.6 µg/m ³		
	Railyard	DataRam4, Serial #D417 Tag 018	Respirable Dust	38 µg/m ³	5.0 µg/m ³		
28-Sep-2006	Bridge	DataRam4, Serial #D495 Tag 6	Respirable Dust	21 µg/m ³	9.2 µg/m ³	5,000 µg/m ³	
	NE Schoolyard	DataRam4, Serial #D416 Tag 019	Respirable Dust	58 µg/m ³	4.6 µg/m ³		
	Railyard	DataRam4, Serial #D417 Tag 019	Respirable Dust	243 µg/m ³	9.5 µg/m ³		

Table 6-6 Summary of Respirable Dust in Air

Date	Location	Sample ID	Analyte	Sample Time	Limit of Detection	Result	Monitoring Plan Limit
June 1, 2006	Railyard	7221 Tag #2	Respirable Dust	341 minutes	0.0001 µg/m³	1.913 µg/m³	5,000 µg/m³
June 6, 2006	Railyard	7221 Tag #3	Respirable Dust	157 minutes	0.0001 µg/m³	Maximum = 8 µg/m³ Average = 1.9 µg/m³	5,000 µg/m³
	Schoolyard	7221 Tag #4	Respirable Dust	191 minutes	0.0001 µg/m³	Maximum = 17 µg/m³ Average = 2.1 µg/m³	5,000 µg/m³
June 9, 2006	Railyard/ Schoolyard	7221 Tag #0	Respirable Dust	321 minutes	0.0001 µg/m³	Maximum = 298 µg/m³ Average = 16 µg/m³	5,000 µg/m³
Date	Location	Sample ID	Analyte	Peak Concentration [One minute]	Average Concentration		Monitoring Plan limit
29-Sep-2006	Bridge	DataRam4, Serial #D495 Tag 7	Respirable Dust	215 µg/m³	18.1 µg/m³		5,000 µg/m³
	NE Schoolyard	DataRam4, Serial #D416 Tag 020	Respirable Dust	1,306 µg/m³	9.3 µg/m³		
	Railyard	DataRam4, Serial #D417 Tag 020	Respirable Dust	151 µg/m³	11.3 µg/m³		
2-Oct-2006	Bridge	DataRam4, Serial #D495 Tag 8	Respirable Dust	125 µg/m³	9.4 µg/m³		5,000 µg/m³
	NE Schoolyard	DataRam4, Serial #D416 Tag 021	Respirable Dust	3,754 µg/m³	19.5 µg/m³		
	Railyard	DataRam4, Serial #D417 Tag 021	Respirable Dust	84 µg/m³	6.6 µg/m³		
3-Oct-2006	Bridge	DataRam4, Serial #D495 Tag 9	Respirable Dust	175 µg/m³	11.4 µg/m³		5,000 µg/m³
	NE Schoolyard	DataRam4, Serial #D416 Tag 022	Respirable Dust	1,220 µg/m³	9.2 µg/m³		
	Railyard	DataRam4, Serial #D417 Tag 022	Respirable Dust	145 µg/m³	7.4 µg/m³		
4-Oct-2006	Bridge	DataRam4, Serial #D495 Tag 10	Respirable Dust	89 µg/m³	9.5 µg/m³		5,000 µg/m³
	NE Schoolyard	DataRam4, Serial #D416 Tag 023	Respirable Dust	245 µg/m³	3.4 µg/m³		
	Railyard	DataRam4, Serial #D417 Tag 023	Respirable Dust	74 µg/m³	6.1 µg/m³		
5-Oct-2006	Bridge	DataRam4, Serial #D495 Tag 11	Respirable Dust	779 µg/m³	15.9 µg/m³		5,000 µg/m³
	NE Schoolyard	DataRam4, Serial #D416 Tag 024	Respirable Dust	108 µg/m³	4.7 µg/m³		
	Railyard	DataRam4, Serial #D417 Tag 024	Respirable Dust	38 µg/m³	8.2 µg/m³		
9-Oct-2006	NE Schoolyard	DataRam4, Serial #D416 Tag 025	Respirable Dust	176 µg/m³	1.9 µg/m³		5,000 µg/m³
	NE Schoolyard	DataRam4, Serial #D495 Tag 12	Respirable Dust	35 µg/m³	5.9 µg/m³		
	Railyard	DataRam4, Serial #D417 Tag 025	Respirable Dust	30 µg/m³	3.8 µg/m³		
10-Oct-2006	NE Schoolyard	DataRam4, Serial #D416 Tag 026	Respirable Dust	155 µg/m³	2.6 µg/m³		5,000 µg/m³
	NE Schoolyard	DataRam4, Serial #D495 Tag 13	Respirable Dust	108 µg/m³	6.7 µg/m³		
	Railyard	DataRam4, Serial #D417 Tag 026	Respirable Dust	144 µg/m³	6.1 µg/m³		
11-Oct-2006	NE Schoolyard	DataRam4, Serial #D416 Tag 027	Respirable Dust	94 µg/m³	2.3 µg/m³		5,000 µg/m³
	NE Schoolyard	DataRam4, Serial #D495 Tag 14	Respirable Dust	107 µg/m³	7.1 µg/m³		
	Railyard	DataRam4, Serial #D417 Tag 027	Respirable Dust	77 µg/m³	5.5 µg/m³		
12-Oct-2006	NE Schoolyard	DataRam4, Serial #D416 Tag 028	Respirable Dust	119 µg/m³	2.2 µg/m³		5,000 µg/m³
	NE Schoolyard	DataRam4, Serial #D495 Tag 16	Respirable Dust	112 µg/m³	6.1 µg/m³		
	Railyard	DataRam4, Serial #D417 Tag 028	Respirable Dust	56 µg/m³	4.6 µg/m³		
13-Oct-2006	NE Schoolyard	DataRam4, Serial #D416 Tag 029	Respirable Dust	476 µg/m³	4.6 µg/m³		5,000 µg/m³
	NE Schoolyard	DataRam4, Serial #D495 Tag 17	Respirable Dust	146 µg/m³	8.1 µg/m³		
	Railyard	DataRam4, Serial #D417 Tag 029	Respirable Dust	82 µg/m³	5.5 µg/m³		
20-Oct-2006	Bridge	DataRam4, Serial #D495 Tag 18	Respirable Dust	144 µg/m³	9.2 µg/m³		5,000 µg/m³
	NE Schoolyard	DataRam4, Serial #D416 Tag 030	Respirable Dust	209 µg/m³	6.2 µg/m³		
	Railyard (East End)	DataRam4, Serial #D417 Tag 030	Respirable Dust	14 µg/m³	4.2 µg/m³		
23-Oct-2006	Bridge	DataRam4, Serial #D495 Tag 19	Respirable Dust	33 µg/m³	10.8 µg/m³		5,000 µg/m³
	Railyard (East End)	DataRam4, Serial #D417 Tag 031	Respirable Dust	135 µg/m³	9.0 µg/m³		
26-Oct-2006	Bridge	DataRam4, Serial #D49 Tag 20	Respirable Dust	85 µg/m³	6.9 µg/m³		5,000 µg/m³
	NE Schoolyard	DataRam4, Serial #D416 Tag 031	Respirable Dust	27 µg/m³	3.8 µg/m³		
	NE Schoolyard	DataRam4, Serial #D416 Tag 032	Respirable Dust	14 µg/m³	1.3 µg/m³		
	Railyard (East End)	DataRam4, Serial #D417 Tag 032	Respirable Dust	111 µg/m³	5.5 µg/m³		
30-Oct-2006	Bridge	DataRam4, Serial #D495 Tag 21	Respirable Dust	68 µg/m³	5.3 µg/m³		5,000 µg/m³
	NE Schoolyard	DataRam4, Serial #D416 Tag 033	Respirable Dust	144 µg/m³	2.4 µg/m³		
	Railyard (East End)	DataRam4, Serial #D417 Tag 033	Respirable Dust	41 µg/m³	3.6 µg/m³		
31-Oct-2006	Railyard (East End)	DataRam4, Serial #D417 Tag 034	Respirable Dust	75 µg/m³	5.7 µg/m³		5,000 µg/m³
1-Nov-2006	Bridge	DataRam4, Serial #D495 Tag 22	Respirable Dust	80 µg/m³	16.7 µg/m³		5,000 µg/m³
	NE Schoolyard	DataRam4, Serial #D416 Tag 034	Respirable Dust	29 µg/m³	2.2 µg/m³		
	Railyard (East End)	DataRam4, Serial #D417 Tag 035	Respirable Dust	26 µg/m³	9.0 µg/m³		

Table 6-7 Summary of Noise Data

Date	Location		Sound Level @ Property Line or 50 ft	Limit
19-Jun-2006	Near water treatment system		75 dB	80 dB
23-Jun-2006	Near levee		70-75 dB	
24-Jun-2006	On residential road adjacent to railyard		55-65 dB	
Date	Location	Activity	Sound Level @ Property Line or 50 ft	Limit
6.26-30.06	Across tracks from railyard	Loading ecology blocks onto trucks	70-80 dB	80 dB
	Near levee	Digging beneath houses that are to be moved	60-70 dB	
6-Jul-2006	Across tracks from railyard	Screening/moving dirt	55-60 dB	90 dB
	At bridge	Placing plastic in river and digging levee	85 dB	
	At street corner next to Stove Shop	Trucks passing	60-82 dB	
	At main road next to truck exit from railyard	Screening/Hauling dirt	70-75 dB	
10-Jul-2006	North side of school Noise Monitoring Results from Hand-Held Quest Sound Level Meter	Loading dirt into trucks	70-79 dB	85 dB
	At bridge	Filling sand bags	70-84 dB	
	At main road next to truck exit from railyard	Screening/Hauling dirt	70-79 dB	
8-Aug-2006	Southeast railyard exit for trucks (RS air monitoring location)	Rocks being dumped into loader bucket	80-86 dB	85 dB
		Soil being dumped into loader bucket	70-76 dB	
		Power screener	83 dB	
11-Aug-2006	West side of N 5th St, south of bridge	Rock crusher (running)	80-88 dB	85 dB
		Rocks being loaded into rock crusher	98 dB	
15-Aug-2006	West side of N 5th St, fifty feet south of bridge	NRC Environmental vacuum truck vacuuming out reserve tank	75-79 dB	85 dB
Continuous Noise Monitoring				
Date	Location	Average Noise Level	Maximum Noise Level	Monitoring Plan Limit
14-Jul-06	Larson Davis 820 - Bridge	75.4 dB	98.3 dB	80 dB
14-Jul-2006	Larson Davis 820 - Railyard	76 dB	112.3 dB	85 dB
Community Noise Monitoring				
Date	Location	Average Noise Level	Maximum Noise Level	Monitoring Plan Limit
24-Jul-06	Railyard	78.4 dB	113.7 dB	85 dB
	Bridge	67.9 dB	98.5 dB	80 dB
25-Jul-06	Railyard	76.7 dB	113.8 dB	85 dB
	Bridge	48.9 dB	81.3 dB	80 dB
26-Jul-06	Railyard	77.1 dB	114.8 dB	85 dB
	Bridge	44.7 dB	75.1 dB	80 dB
27-Jul-06	Railyard	76.4 dB	114.3 dB	85 dB
	Bridge	67.9 dB	99.8 dB	80 dB
28-Jul-06	Railyard	80.3 dB	118.5 dB	85 dB
	Bridge	69.1 dB	103.6 dB	80 dB
29-Jul-06	Railyard	76.2 dB	110.9 dB	85 dB
	Bridge	67.2 dB	99.1 dB	80 dB
31-Jul-06	Railyard	77.6 dB	115.1 dB	85 dB
	Bridge	68.7 dB	107.3dB	80 dB
1-Aug-06	Railyard	75.7 dB	115.2 dB	85 dB
	Bridge	63.5 dB	91.0 dB	80 dB
2-Aug-06	Railyard	79.8 dB	116.1 dB	85 dB
	Bridge	68.8 dB	103.1 dB	80 dB
3-Aug-06	Railyard	76.2 dB	112.7 dB	85 dB
	Bridge	66.2 dB	95.5 dB	80 dB
4-Aug-06	Railyard	76.1 dB	113.1 dB	85 dB
	Bridge	67.6 dB	99.7 dB	80 dB
5-Aug-06	Railyard	81.4 dB	115.1 dB	85 dB
	Bridge	68.2 dB	99.0 dB	80 dB
7-Aug-06	Railyard	78.2 dB	114.9 dB	85 dB
	Bridge	67.4 dB	99.9 dB	80 dB
8-Aug-06	Railyard	77.1 dB	112.8 dB	85 dB
	Bridge	68.0 dB	100.6 dB	80 dB
9-Aug-06	Railyard	79.7 dB	117.2 dB	85 dB
	Bridge	68.7 dB	98.0 dB	80 dB

Table 6-7 Summary of Noise Data

Date	Location	Average Noise Level	Maximum Noise Level	Limit
10-Aug-06	Railyard	81.6 dB	118.7 dB	85 dB
	Bridge	68.9 dB	100.8 dB	80 dB
11-Aug-06	Railyard	78.3 dB	112.5 dB	85 dB
	Bridge	68.6 dB	96.6 dB	80 dB
12-Aug-06	Railyard	76.8 dB	113.3 dB	85 dB
	Bridge	68.7 dB	95.2 dB	80 dB
14-Aug-06	Railyard	79.2 dB	116.7 dB	85 dB
	Bridge	68.6 dB	104.0 dB	80 dB
15-Aug-06	Railyard	75.6 dB	111.5 dB	85 dB
	Bridge	68.4 dB	93.6 dB	80 dB
16-Aug-06	Railyard	78.3 dB	114.8 dB	85 dB
	Bridge	69.4 dB	98.3 dB	80 dB
17-Aug-06	Railyard	75.7 dB	112.8 dB	85 dB
	Bridge	68.9 dB	95.4 dB	80 dB
18-Aug-06	Railyard	76.0 dB	111.3 dB	85 dB
	Bridge	71.4 dB	106.3 dB	80 dB
19-Aug-06	Railyard	77.5 dB	114.3 dB	85 dB
	Bridge	67.2 dB	99.8 dB	80 dB
21-Aug-06	Railyard	77.2 dB	112.7 dB	85 dB
	Bridge	66.7 dB	95.4 dB	80 dB
22-Aug-06	Railyard	76.5 dB	113.9 dB	85 dB
	Bridge	68.0 dB	96.8 dB	80 dB
23-Aug-06	Railyard	78.9 dB	113.8 dB	85 dB
	Bridge	68.7 dB	96.6 dB	80 dB
24-Aug-06	Railyard	74.7 dB	109.5 dB	85 dB
	Bridge	66.4 dB	95.4 dB	80 dB
25-Aug-06	Railyard	79.4 dB	115.1 dB	85 dB
	Bridge	71.3 dB	102.0 dB	80 dB
26-Aug-06	Railyard	78.7 dB	114.5 dB	85 dB
	Bridge	69.9 dB	98.9 dB	80 dB
28-Aug-06	Railyard	78.2 dB	115.2 dB	85 dB
	Bridge	68.1 dB	97.9 dB	80 dB
29-Aug-06	Railyard	77.9 dB	113.6 dB	85 dB
	Bridge	68.8 dB	98.4 dB	80 dB
30-Aug-06	Railyard	76.2 dB	113.3 dB	85 dB
	Bridge	66.2 dB	94.8 dB	80 dB
31-Aug-06	Railyard	79.9 dB	115.3 dB	85 dB
	Bridge	67.3 dB	95.6 dB	80 dB
1-Sep-06	Railyard	81.2 dB	119.0 dB	85 dB
	Bridge	69.3 dB	102.2 dB	80 dB
5-Sep-06	Railyard	80.2 dB	118.7 dB	85 dB
	NE Schoolyard	76.5 dB	97.8 dB	80 dB
6-Sep-06	Railyard	78.8 dB	114.4 dB	85 dB
	NE Schoolyard	76.3 dB	95.6 dB	80 dB
7-Sep-06	Railyard	79.2 dB	114.9 dB	85 dB
	NE Schoolyard	77.8 dB	97.1 dB	80 dB
8-Sep-06	Railyard	78.1 dB	114.5 dB	85 dB
	NE Schoolyard	77.3 dB	97.0 dB	80 dB
9-Sep-06	Railyard	79.4 dB	117.6 dB	85 dB
	NE Schoolyard	74.8 dB	97.8 dB	80 dB
11-Sep-06	Railyard	79.4 dB	117.7 dB	85 dB
	NE Schoolyard	74.7 dB	94.0 dB	80 dB
12-Sep-06	Railyard	76.8 dB	113.7 dB	85 dB
	NE Schoolyard	72.1 dB	93.6 dB	80 dB
13-Sep-06	Railyard	78.6 dB	114.1 dB	85 dB
	NE Schoolyard	72.4 dB	93.6 dB	80 dB
14-Sep-06	Railyard	77.8 dB	113.8 dB	85 dB
	NE Schoolyard	72.5 dB	98.7 dB	80 dB
15-Sep-06	Railyard	78.5 dB	115.8 dB	85 dB
	NE Schoolyard	73.4 dB	96.5 dB	80 dB
16-Sep-06	Railyard	77.0 dB	113.3 dB	85 dB
	NE Schoolyard	70.9 dB	95.8 dB	80 dB
18-Sep-06	Railyard	80.7 dB	115.9 dB	85 dB
	NE School Yard	74.7 dB	96.0 dB	80 dB
19-Sep-06	Railyard	76.5 dB	113.4 dB	85 dB
	NE School Yard	73.6 dB	96.9 dB	80 dB

Table 6-7 Summary of Noise Data

Date	Location	Average Noise Level	Maximum Noise Level	Limit
20-Sep-06	Railyard	82.1 dB	114.8 dB	85 dB
	NE School Yard	73.9 dB	97.9 dB	80 dB
21-Sep-06	Railyard	79.8 dB	116.5 dB	85 dB
	NE School Yard	71.9 dB	96.4 dB	80 dB
22-Sep-06	Railyard	79.4 dB	114.8 dB	85 dB
	NE School Yard	71.7 dB	98.1 dB	80 dB
23-Sep-06	Railyard	78.2 dB	113.2 dB	85 dB
	NE School Yard	74.2 dB	94.7 dB	80 dB
25-Sep-06	Railyard	77.1 dB	113.8 dB	85 dB
	NE School Yard	72.9 dB	92.0 dB	80 dB
26-Sep-06	Railyard	78.4 dB	114.8 dB	85 dB
	NE School Yard	72.7 dB	98.2 dB	80 dB
27-Sep-06	Railyard	78.0 dB	114.4 dB	85 dB
	NE School Yard	74.1 dB	93.1 dB	80 dB
28-Sep-06	Railyard	79.4 dB	115.6 dB	85 dB
	NE School Yard	74.7 dB	97.8 dB	80 dB
29-Sep-06	Railyard	78.4 dB	114.3 dB	85 dB
	NE School Yard	72.6 dB	98.6 dB	80 dB
2-Oct-06	Railyard	79.7 dB	115.0 dB	85 dB
	NE School Yard	71.9 dB	99.8 dB	80 dB
3-Oct-06	Railyard	78.0 dB	113.4 dB	85 dB
	NE School Yard	72.2 dB	89.1 dB	80 dB
4-Oct-06	Railyard	77.1 dB	113.6 dB	85 dB
	NE School Yard	68.8 dB	91.8 dB	80 dB
5-Oct-06	Railyard	77.8 dB	116.0 dB	85 dB
	NE School Yard	73.0 dB	94.4 dB	80 dB
6-Oct-06	Railyard	79.9 dB	113.2 dB	85 dB
	NE School Yard	72.2 dB	98.0 dB	80 dB
9-Oct-06	Railyard	75.7 dB	114.1 dB	85 dB
	NE School Yard	69.0 dB	93.4 dB	80 dB
10-Oct-06	Railyard	78.7 dB	115.9 dB	85 dB
	NE School Yard	73.0 dB	101.2 dB	80 dB
11-Oct-06	Railyard	72.4 dB	108.3 dB	85 dB
	NE School Yard	68.9 dB	92.7 dB	80 dB
12-Oct-06	Railyard	78.0 dB	113.5 dB	85 dB
	NE School Yard	71.2 dB	90.6 dB	80 dB
13-Oct-06	Railyard	76.2 dB	115.2 dB	85 dB
	NE School Yard	66.2 dB	95.5 dB	80 dB
16-Oct-06	Railyard	77.6 dB	113.3 dB	85 dB
	NE School Yard	70.0 dB	95.8 dB	80 dB
17-Oct-06	Railyard	78.4 dB	114.0 dB	85 dB
	NE School Yard	74.2 dB	97.7 dB	80 dB
18-Oct-06	Railyard	78.2 dB	113.9 dB	85 dB
	NE School Yard	73.6 dB	97.6 dB	80 dB
19-Oct-06	Railyard	77.6 dB	114.9 dB	85 dB
	NE School Yard	71.0 dB	99.0 dB	80 dB
20-Oct-06	Railyard	77.2 dB	113.8 dB	85 dB
	NE School Yard	72.8 dB	101.4 dB	80 dB
23-Oct-06	Railyard	79.9 dB	118.2 dB	85 dB
	NE Schoolyard	73.3 dB	96.3 dB	80 dB
24-Oct-06	Railyard	78.1 dB	114.3 dB	85 dB
	NE Schoolyard	63.9 dB	89.1 dB	80 dB
25-Oct-06	Railyard	77.7 dB	116.6 dB	85 dB
	NE Schoolyard	73.7 dB	95.4 dB	80 dB
26-Oct-06	Railyard	71.8 dB	107.2 dB	85 dB
	NE Schoolyard	68.9 dB	95.5 dB	80 dB
27-Oct-06	Railyard	74.4 dB	113.5 dB	85 dB
	NE Schoolyard	61.4 dB	97.5 dB	80 dB
30-Oct-06	Railyard	79.6 dB	114.7 dB	85 dB
	NE Schoolyard	65.8 dB	96.7 dB	80 dB
31-Oct-06	Railyard	78.4 dB	114.3 dB	85 dB
	NE Schoolyard	64.6 dB	99.3 dB	81 dB
1-Nov-06	Railyard	78.6 dB	115.1 dB	85 dB
	NE Schoolyard	60.0 dB	94.1 dB	82 dB
2-Nov-06	Railyard	78.0 dB	113.3 dB	85 dB
	NE Schoolyard	67.1 dB	95.1 dB	83 dB

Table 6-7 Summary of Noise Data

Date	Location	Average Noise Level	Maximum Noise Level	Limit
9-Nov-06	Railyard	77.9 dB	113.9 dB	85 dB
	NE Schoolyard	63.2 dB	94.0 dB	80 dB
10-Nov-06	Railyard	81.1 dB	113.3 dB	85 dB
	NE Schoolyard	64.7 dB	96.1 dB	80 dB
14-Nov-06	Railyard	83.1 dB	117.7 dB	85 dB
	NE Schoolyard	67.2 dB	97.6 dB	80 dB
15-Nov-06	Railyard	79.7 dB	114.6 dB	85 dB
	NE Schoolyard	71.1 dB	95.2 dB	80 dB
16-Nov-06	Railyard	77.1 dB	112.1 dB	85 dB
	NE Schoolyard	65.6 dB	98.3 dB	80 dB
17-Nov-06	Railyard	78.3 dB	114.9 dB	85 dB
	NE Schoolyard	65.6 dB	95.5 dB	80 dB
20-Nov-06	Railyard	66.4 dB	106.1 dB	85 dB
	NE Schoolyard	62.0 dB	81.9 dB	80 dB
30-Nov-06	Railyard	78.8 dB	112.4 dB	85 dB
	NE Schoolyard	63.6 dB	96.5 dB	80 dB
5-Dec-06	Railyard	74.0 dB	111.3 dB	85 dB
	NE Schoolyard	66.4 dB	98.5 dB	80 dB
6-Dec-06	Railyard	67.2 dB	69.8 dB	85 dB
	NE Schoolyard	72.3 dB	95.3 dB	80 dB
7-Dec-06	Railyard	67.2 dB	69.8 dB	85 dB
	NE Schoolyard	68.6 dB	95.7 dB	80 dB
8-Dec-06	Railyard	67.2 dB	68.1 dB	85 dB
	NE Schoolyard	67.3 dB	97.4 dB	80 dB
11-Dec-06	Railyard	76.0 dB	111.9 dB	85 dB
	NE Schoolyard	68.3 dB	98.6 dB	80 dB
12-Dec-06	Railyard	79.2 dB	114.1 dB	85 dB
	NE Schoolyard	65.6 dB	97.1 dB	80 dB
13-Dec-06	Railyard	80.2 dB	113.2 dB	85 dB
	NE Schoolyard	68.7 dB	97.3 dB	80 dB
14-Dec-06	Railyard	76.2 dB	113.6 dB	85 dB
	NE Schoolyard	67.7 dB	97.9 dB	80 dB

Table 6-8 Summary of Weather Data

MONTH	Avg. Outside Temp °F	Avg. High Temp °F	Avg. Low Temp °F	Avg. Outside Hum % RH	Avg. Dew Point °F	Avg. Wind Speed MPH	Avg. Wind Chill °F	Avg. Barometric Pressure Bar	Total Rainfall (in.)	Avg.Rain Rate (in./30 min)
June	65.6	66.2	64.9	62.6	51.0	3.3	65.4	29.1	0.09	0.0
July	64.6	65.2	64.0	71.0	53.8	3.6	64.4	29.0	0.87	0.0
August	62.2	62.7	61.6	72.0	51.8	3.4	62.0	29.0	0.64	0.0
September	57.2	57.8	56.7	79.4	49.6	2.1	57.1	29.0	2.08	0.0
October	46.8	47.2	46.4	87.7	42.9	1.3	46.6	29.1	3.86	0.0
November	37.8	38.1	37.6	92.8	35.7	1.2	37.4	28.9	30.04	0.1
December	34.2	34.6	33.9	93.0	32.3	1.4	33.7	29.1	8.03	0.0

Table 6-9 Confirmation Sample Results

Location ID	Elevation	Sample Date	Lube Oil Range Hydrocarbons (mg/kg)		PHC AS DIESEL FUEL (mg/kg)		Cleanup Level (mg/kg)	Approved by DOE if > Cleanup Level
D00	912	8/18/2006	<	12.8	<	12.8	22	
D01(2)	921	7/31/2006		111		22.7	22	8/7/2006
D03	909	7/29/2006	<	9.3	<	9.3	22	
D04	908	7/29/2006	<	10.1	<	10.1	22	
D05	908	7/31/2006	<	12.8	<	12.8	22	
D06	908	7/31/2006	<	11.1	<	11.1	22	
D07	908	7/31/2006	<	12.1	<	12.1	22	
D08	908	7/31/2006	<	11.6	<	11.6	22	
D09	909	7/31/2006	<	12	<	12	22	
D10	909	8/1/2006	<	9.68	<	9.68	22	
D11	912	8/11/2006	<	10.3	<	10.3	22	
D12	910	8/11/2006	<	12.2	<	12.2	22	
D13	910	8/11/2006	<	12.6	<	12.6	22	
D14	907	8/11/2006	<	12.3	<	12.3	22	
D15(1)	905	8/11/2006		34.3	J	28	J > 40.9	8/17/2006
D16	905	8/11/2006	<	11.6	<	11.6	22	
D17(1)	902	8/16/2006		675	J	524	J > 40.9	8/17/2006
D18	903	8/12/2006	<	9.88	<	9.88	22	
D19	905	8/12/2006	<	9.9	<	9.9	22	
D20(1)	902	8/16/2006		361	J	300	J > 40.9	8/17/2006
D21	910	8/21/2006	<	12.4	<	12.4	22	
D22	910	8/21/2006	<	12.1	<	12.1	22	
D23	910	8/21/2006	<	12.6	<	12.6	22	
D24	907	8/18/2006	<	12.4	<	12.4	22	
D25	912	8/16/2006	<	12.1	<	12.1	22	
D26	912	8/16/2006	<	10.9	<	10.9	22	
D27	911	8/16/2006	<	12.1	<	12.1	22	
D28	911	8/16/2006	<	12	<	12	22	
D29	919	8/17/2006	<	12.9	<	11.6	22	
A02	915	7/24/2006	<	10.5	<	10.5	40.9	
A03	914	7/25/2006	<	10	<	10	40.9	
A04	914	7/25/2006	<	10.3	<	10.3	40.9	
A05	915	7/25/2006	<	10.3	<	10.3	40.9	
A06	917	7/25/2006		10.6	<	9.61	40.9	
A11	917	8/1/2006	<	9.52	<	9.52	40.9	
A13	915	8/1/2006	<	9.31	<	9.31	40.9	
A14	913	8/1/2006	<	10	<	10	40.9	
A15	912	8/1/2006	<	13.7	<	13.7	40.9	
A16	912	8/1/2006	<	9.76	<	9.76	40.9	
A17	912	8/1/2006	<	9.49	<	9.49	40.9	
A18	913	8/1/2006	<	9.49	<	9.49	40.9	
A19	913	8/1/2006	<	9.62	<	9.62	40.9	
A20	914	8/1/2006		13.5	<	9.94	40.9	
A22	914	8/21/2006	<	9.6	<	9.6	40.9	
A24	915	8/14/2006	<	9.39	<	9.39	40.9	
B01	912	8/17/2006	<	12.3	<	12.3	40.9	
B02	914	7/24/2006	<	11.4	<	11.4	40.9	
B03	910	7/25/2006	<	11.3	<	11.3	40.9	
B04	909	7/25/2006		14.3	<	11.1	40.9	
B05	911	7/25/2006	<	10.5	<	10.5	40.9	
B06	912	7/27/2006		13.9	<	12.7	40.9	
B07	911	7/28/2006	<	12.3	<	12.3	40.9	
B08	910	7/25/2006	<	12.2	<	12.2	40.9	
B09	912	7/25/2006	<	11.3	<	11.3	40.9	
B10	913	7/25/2006	<	10.5	<	10.5	40.9	
B11	912	8/10/2006	<	12.6	<	12.6	40.9	
B12	912	8/4/2006	<	12.5	<	12.5	40.9	
B13	911	8/4/2006	<	11.2	<	11.2	40.9	
B14	909	8/4/2006	<	9.54	<	9.54	40.9	
B15	907	8/4/2006	<	12.3	<	12.3	40.9	
B16	907	8/4/2006	<	9.45	<	9.45	40.9	
B17	907	8/4/2006	<	9.54	<	9.54	40.9	
B18	907	8/4/2006	<	9.18	<	9.18	40.9	
B19	902	8/5/2006	<	9.16	<	9.16	40.9	
B20	910	8/5/2006		18.1	<	9.52	40.9	

Table 6-9 Confirmation Sample Results

Location ID	Elevation	Sample Date	Lube Oil Range Hydrocarbons (mg/kg)		PHC AS DIESEL FUEL (mg/kg)		Cleanup Level (mg/kg)	Approved by DOE if > Cleanup Level
B21	911	8/5/2006	<	11.1	<	11.1	40.9	
B22	913	8/19/2006	<	10.1	<	10.1	40.9	
B23	913	8/19/2006	<	10.1	<	10.1	40.9	
B24	913	8/14/2006	<	11.5	<	11.5	40.9	
B25	913	8/14/2006	<	11.4	<	11.4	40.9	
B26	913	8/14/2006	<	12.2	<	12.2	40.9	
B27	913	8/14/2006	<	11.2	<	11.2	40.9	
B28	913	8/14/2006	<	11.6	<	11.6	40.9	
C002	912	8/18/2006		352	J	214	J	40.9
C01	918	7/27/2006	<	9.78	<	9.78		8/21/2006
C02	913	7/27/2006	<	10.1	<	10.1		40.9
C03	909	7/27/2006	<	9.72	<	9.72		40.9
C04	910	7/27/2006	<	9.46		14.2	J	40.9
C05	910	7/27/2006	<	11.8	<	11.8		40.9
C06	910	7/27/2006	<	11.1	<	11.1		40.9
C07	908	7/27/2006	<	12.3	<	12.3		40.9
C08	907	7/27/2006	<	11.7	<	11.7		40.9
C09	909	7/27/2006	<	12.3	<	12.3		40.9
C10	911	8/1/2006	<	12.4	<	12.4		40.9
C11	912	8/10/2006	<	12.3	<	12.3		40.9
C12	910	8/15/2006	<	13	<	13		40.9
C13	910	8/5/2006	<	12.5	<	12.5		40.9
C14	909	8/4/2006	<	12.8	<	12.8		40.9
C15	905	8/7/2006	<	12.5	<	12.5		40.9
C16	905	8/8/2006	<	10.6	<	10.6		40.9
C17	905	8/8/2006	<	11.3	<	11.3		40.9
C18	905	8/8/2006	<	10	<	10		40.9
C19(1)	901	8/18/2006		193	J	155	J	> 40.9
C20	910	8/9/2006	<	10.8	<	10.8		8/21/2006
C21	907	8/21/2006	<	12.4	<	12.4		40.9
C22	910	8/21/2006	<	11.8	<	11.8		40.9
C23	910	8/21/2006	<	11.6	<	11.6		40.9
C24	912	8/15/2006		13.3	J	11.8		40.9
C25	912	8/15/2006	<	13.2	<	13.2		40.9
C26	912	8/15/2006	<	12.8	<	12.8		40.9
C27	912	8/15/2006	<	12.5	<	12.5		40.9
C28	912	8/15/2006	<	12.4	<	12.4		40.9
D01	920	7/27/2006		18.8		14.9	J	40.9
D02	914	7/27/2006	<	10.2	<	10.2		40.9
E01	922	7/29/2006		35.5		12.5		3400
E02	915	7/29/2006	<	10.3	<	10.3		3400
E03	911	7/29/2006	<	11.2	<	11.2		3400
E04	911	9/14/2006		35.9	J	28.4	J	3400
E05	910	9/13/2006	<	12.6	<	12.6		3400
E06	910	9/13/2006	<	12	<	12		3400
E07	910	9/13/2006	<	11.9	<	11.9		3400
E08	910	9/13/2006	<	11.4	<	11.4		3400
E09	911	9/12/2006	<	12.3	<	12.3		3400
E10	914	9/11/2006		77.9	J	63.5	J	3400
E11	911	9/11/2006		17.3	J	18.9	J	3400
E12	910	9/11/2006	<	12	<	12		3400
E13	910	9/12/2006	<	13	<	13		3400
E14	908	9/9/2006	<	12.4	<	12.4		3400
E15	905	9/8/2006	<	9.9	<	9.9		3400
E16	905	9/7/2006	<	9.93	<	9.93		3400
E17	901	9/6/2006	<	12.3	<	12.3		3400
E18	905	9/5/2006		854		697		3400
E19	907	9/1/2006	<	9.65	<	9.65		3400
E20	907	8/22/2006		799	J	557	J	3400
E21	907	8/22/2006	<	12.1	<	12.1		3400
E22	910	8/23/2006	<	12.4	<	12.4		3400
E23	910	8/23/2006	<	12.4	<	12.4		3400
E24	910	8/21/2006	<	12.1	<	12.1		3400
E25	910	8/23/2006	<	11.8	<	11.8		3400
E26	910	8/17/2006	<	12.4	<	12.4		3400
E27	909	8/17/2006	<	12	<	12		3400
E28	909	8/17/2006	<	12	<	12		3400

Table 6-9 Confirmation Sample Results

Location ID	Elevation	Sample Date	Lube Oil Range Hydrocarbons (mg/kg)		PHC AS DIESEL FUEL (mg/kg)		Cleanup Level (mg/kg)	Approved by DOE if > Cleanup Level
E29	919	8/17/2006		725	J	149	J	3400
F01	927	9/14/2006		80.5		12.4		3400
F02	912	9/15/2006		126	J	122	J	3400
F03	911	9/14/2006		123	J	92.9	J	3400
F04	911	9/14/2006		10.3	<	10		3400
F05	911	9/13/2006	<	12.3	<	12.3		3400
F06	911	9/13/2006	<	10.3	<	10.3		3400
F07	911	9/13/2006	<	11.2	<	11.2		3400
F08	911	9/13/2006	<	11.9	<	11.9		3400
F09	911	9/12/2006	<	13.1	<	13.1		3400
F10	914	9/11/2006	<	12.7		12.7		3400
F11	911	9/11/2006		397	J	364	J	3400
F12	910	9/11/2006		133		103		3400
F13	910	9/12/2006	<	11.7	<	11.7		3400
F14	909	9/9/2006	<	12.1	<	12.1		3400
F15	905	9/8/2006		24.9	J	16.7	J	3400
F16	907	9/7/2006	<	9.65	<	9.65		3400
F17	905	9/6/2006		53.6	J	43.9	J	3400
F18	905	9/5/2006		13.1		12.5		3400
F19	905	9/1/2006		14.6		12.1		3400
F20	910	8/31/2006		10.5	<	10.3		3400
F21	910	8/29/2006	<	12.6	<	12.6		3400
F22	910	8/29/2006	<	12.2	<	12.2		3400
F23	910	8/29/2006	<	11.8	<	11.8		3400
F24	910	8/28/2006	<	12.2	<	12.2		3400
F25	910	8/28/2006	<	12.3	<	12.3		3400
F26	910	8/26/2006		77.5	J	49.3	J	3400
F27	910	8/25/2006	<	11.6	<	11.6		3400
F28	910	8/25/2006		64.1	J	41.8	J	3400
G02	912	9/19/2006		376	J	303	J	3400
G03	909	9/19/2006	<	10.7	<	10.7		3400
G4A	912	9/20/2006	<	12.1	<	12.1		3400
G5A	912	9/23/2006	<	11.7	<	11.7		3400
G6A	913	9/25/2006	<	12.2	<	12.2		3400
G7A	913	9/26/2006	<	11.6	<	11.6		3400
G08	915	9/18/2006	<	12.2	<	12.2		3400
G09	915	9/18/2006	<	11.7	<	11.7		3400
G10	915	9/18/2006	<	11.9	<	11.9		3400
G11	915	9/15/2006		14	<	10.1		3400
G12	915	9/15/2006		75.1	J	54.4	J	3400
G13	914	9/15/2006		12.7	J	12.6	J	3400
G14	910	9/9/2006	<	12.1	<	12.1		3400
G15	908	9/8/2006	<	10.2	<	10.2		3400
G16	908	9/7/2006		10.2	<	9.72		3400
G17	908	9/6/2006	<	9.39	<	9.39		3400
G18	908	9/5/2006		40.5		27.6		3400
G19	908	9/1/2006	<	11.7	<	11.7		3400
G20	910	8/31/2006	<	12.9	<	12.9		3400
G21	910	8/29/2006	<	12.3	<	12.3		3400
G22	910	8/29/2006	<	11.8	<	11.8		3400
G23	910	8/29/2006	<	12.1	<	12.1		3400
G24	910	8/28/2006		24.7	J	22.1	J	3400
G25	910	8/28/2006	<	12	<	12		3400
G26	910	8/26/2006		79	J	62.7	J	3400
G27	910	8/25/2006	<	11.9	<	11.9		3400
G28	912	8/25/2006	<	11.8	<	11.8		3400
G29	921	8/25/2006		10.1	<	9.72		3400
H02	921	9/19/2006		532		122	J	3400
H03	913	9/19/2006		15.6	J	12.6	J	3400
H4A	913	9/20/2006	<	11.7	<	11.7		3400
H5A	913	9/23/2006	<	11.7	<	11.7		3400
H6A	915	9/25/2006	<	12	<	12		3400
H7	915	9/26/2006	<	12.2	<	12.2		3400
H8A	913	9/26/2006	<	11.6	<	11.6		3400
H9A	913	9/26/2006	<	11.2	<	11.2		3400
H10	915	9/27/2006		299	J	260	J	3400
H11	915	9/28/2006		105	J	74	J	3400

Table 6-9 Confirmation Sample Results

Location ID	Elevation	Sample Date	Lube Oil Range Hydrocarbons (mg/kg)		PHC AS DIESEL FUEL (mg/kg)		Cleanup Level (mg/kg)	Approved by DOE if > Cleanup Level
H12	913	9/28/2006		29	J	21.7	J	3400
H13A	911	9/29/2006		25.5	J	18.9	J	3400
H14	911	9/8/2006	<	12.3	<	12.3		3400
H15	910	9/8/2006	<	11.8	<	11.8		3400
H16	910	9/7/2006	<	9.85	<	9.85		3400
H17	910	9/5/2006	<	10.1	<	10.1		3400
H18	910	9/5/2006	<	10.1	<	10.1		3400
H19	910	9/1/2006		112		105		3400
I2	920	9/20/2006		2,480	J	599	J	3400
I03	913	9/19/2006	<	11.2	<	11.2		3400
I4A	913	9/20/2006	<	12.3	<	12.3		3400
I5A	913	9/23/2006	<	12	<	12		3400
I6A	913	9/25/2006	<	12.2	<	12.2		3400
I7	915	9/26/2006	<	12	<	12		3400
I8	914	9/26/2006	<	12.4	<	12.4		3400
I9	913	9/26/2006		23.6	J	18.9	J	3400
I10	913	9/27/2006	<	11.8	<	11.8		3400
I11	913	9/28/2006	<	12.3	<	12.3		3400
I12A	913	9/29/2006		349	J	255	J	3400
I13	913	10/2/2006		24.6	J	19	J	3400
I14	911	9/8/2006	<	11.9	<	11.9		3400
I15	910	9/8/2006	<	12.7	<	12.7		3400
J3A	912	9/20/2006		18.1	<	11.9		3400
J4A	913	9/20/2006	<	12.6	<	12.6		3400
J8	914	9/27/2006	<	12.4	<	12.4		3400
J9	914	9/27/2006		955	J	620	J	3400
J10A	914	9/28/2006	<	12.6	<	12.6		3400
J11A	911	9/28/2006	<	11.8	<	11.8		3400
J12	915	9/29/2006		22.6	J	17.6	J	3400
K9	914	9/27/2006	<	12.4	<	12.4		3400

Notes:

(1) Samples were collected from cells at depths greater than 10' below the river bottom; these cells were approved for backfill by Ecology. Since the cleanup level for this depth is greater than 40.9 and location specific, these samples were not included in statistical analysis.

(2) Samples were collected from cells adjacent to the bridge on the east side of the excavation where product seeps occurred. Because the excavation could not be extended any closer to the bridge abutment, a liner was placed along the excavation face and backfilling was approved by Ecology. Therefore samples from these cells are not included in the statistical analysis.

Elevations are estimated off of field measurements

J = Estimated Value

BOLD text denotes exceeded values

Orange cells were required to meet the 22 mg/kg cleanup level, **green** cells were required to meet the 40.9 mg/kg cleanup level, and **blue** cells were required to meet the 3,400 mg/kg cleanup level

Table 6-10 Confirmation Results – MTCA Statistics Summary

	Lube Oil Range Hydrocarbons (mg/kg)		Diesel Range Hydrocarbons (mg/kg)	
	PRO + Sed	Soil	PRO + Sed	Soil
Summary Statistics				
Number of samples	98	125	98	125
Number of Detections	8	43	2	37
Number of Non-Detects	90	82	96	88
Percent of Non-Detects	92	66	98	70
Mean	11.5	82.2	11.3	48.4
Maximum	18.8	2480	14.9	697
90th percentile	12.83	118.6	12.6	99.0
UCL Type	Gamma	NP	NP	NP
95% UCL	11.7	234	11.5	114
Cleanup Level	22	3400	22	3400
MTCA Statistics				
90% of samples < cleanup level	yes	yes	yes	yes
95% UCL < cleanup level	yes	yes	yes	yes
Maximum < 2 X cleanup level	yes	yes	yes	yes

Notes:

1. This statistical summary excludes data that exceeded location specific cleanup levels but were approved for backfill by Ecology. These samples are noted in Table 6-9.

2. Samples protective of sediment (PRO) and sediment samples (SED) were grouped together since they were required to meet very low cleanup levels. The lower of the two cleanup levels (22 mg/kg) was used in the analysis.

UCL- Upper Confidence Limit

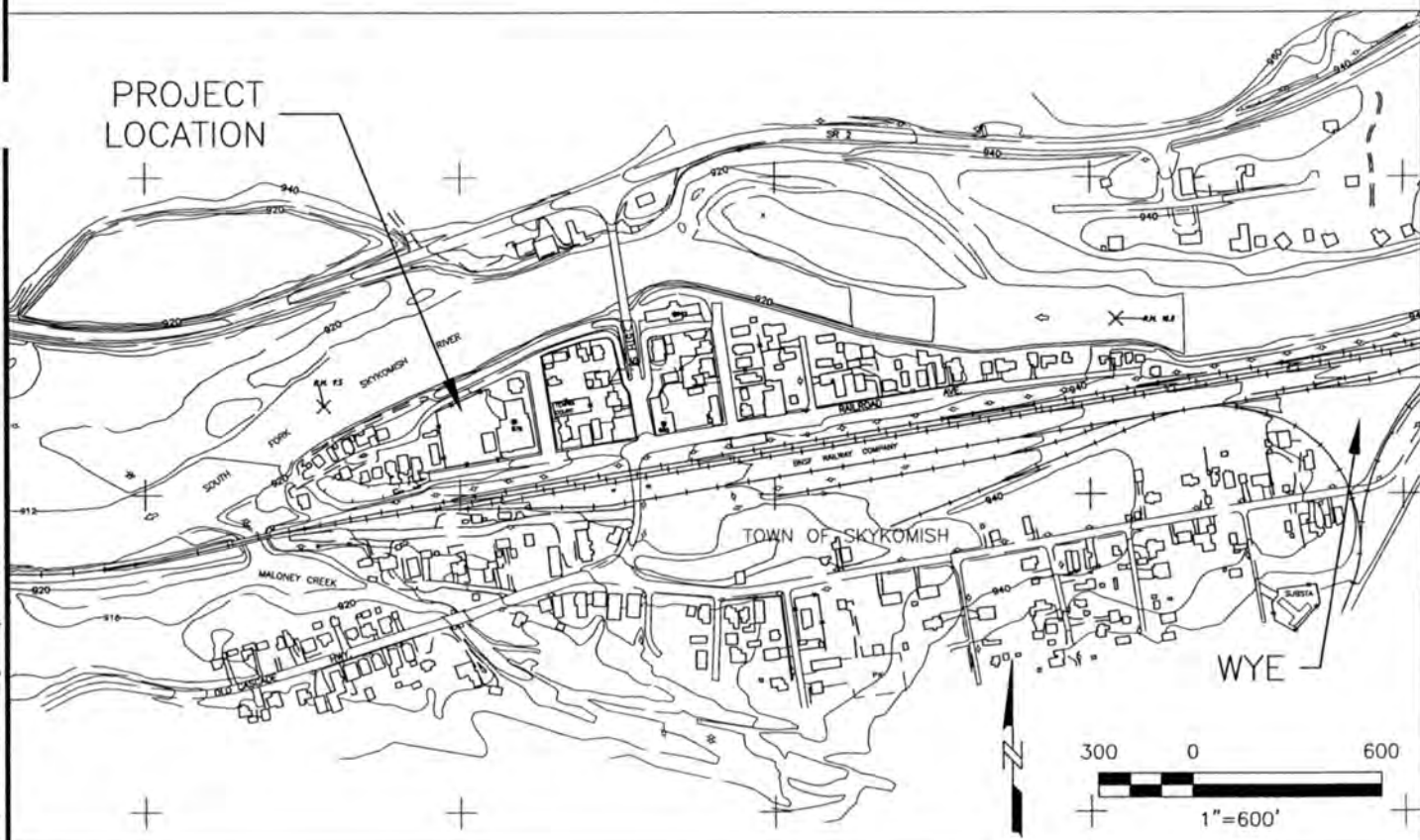
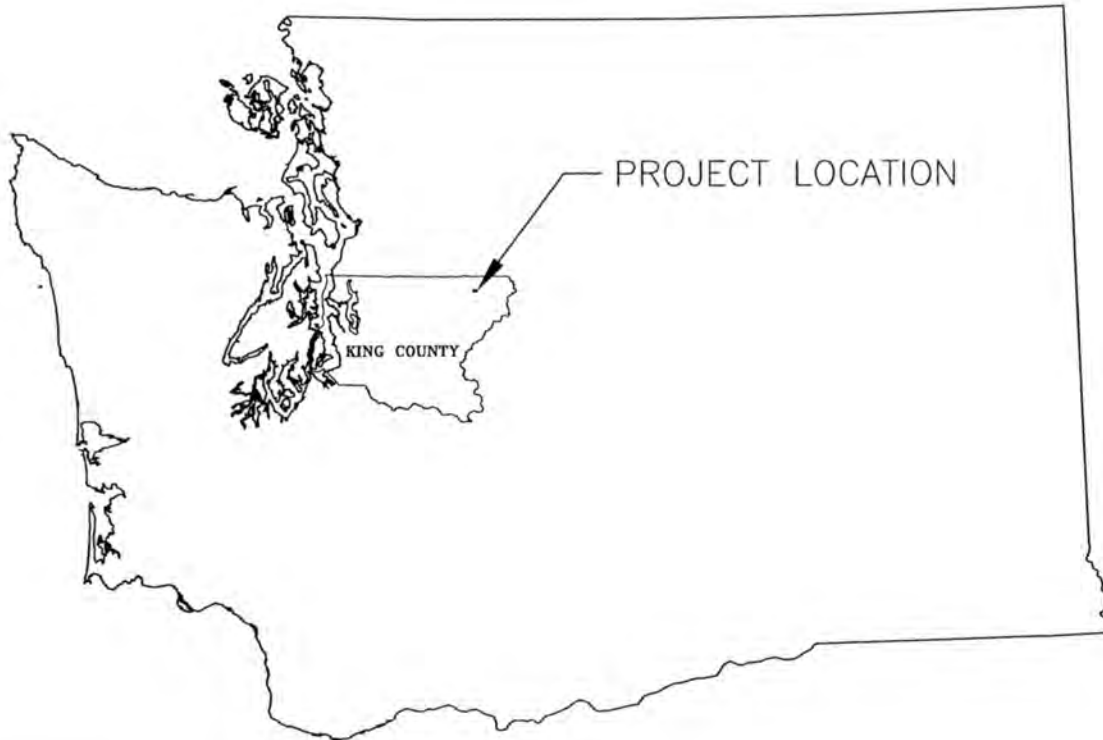
NP- Non-Parametric Distribution

Gamma- Gamma Distribution

Table 6-11 Waste Streams and Disposal

Waste Stream	Source	Disposal Methods
Excavated soils and sediments	Excavation of Skykomish levee, river bed, and upland soil 135 feet up-gradient of Skykomish levee	Material was taken to Rabanco disposal facility
Granular activated carbon	Water treatment system	Material was taken to Rabanco disposal facility
Sand from sand filters	Water treatment system	Material was taken to Rabanco disposal facility
Construction debris including building foundations, well casings, well tubing	Excavation in residential areas, well decommissioning	Impacted material Material was taken to Rabanco disposal facility; unimpacted material to a construction debris landfill
Booms and sorbent pads	Sheen control	Material was taken to Rabanco disposal facility
Personal protective equipment including Tyvek suits, chemical-resistant gloves.	Worker protection	Impacted material was taken to Rabanco disposal facility
Sampling equipment including resealable bags	Soil, sediment, and water sampling	Impacted material was taken to Rabanco disposal facility
HDPE and PVC liner	Coffer dam liner, liner for stockpile area	Impacted material was taken to Rabanco disposal facility
Polyethylene sheeting	Stockpile covers, dust control	Impacted material was taken to Rabanco disposal facility
Asphalt	Current and temporary road demolition	Asphalt recycling
Tank sludge and solids	Water treatment facility	Material was taken to Rabanco disposal facility
Flexible Intermediate Bulk Container Bags	Coffer dam	Material was taken to Rabanco disposal facility
Silt fencing, orange safety fence, catch basin socks	Temporary Erosion and Sediment Control Measures	Impacted material was taken to Rabanco disposal facility, unimpacted material to a licensed solid waste facility
Non-aqueous Phase Liquid (NAPL)	Skimming operations	Recovered NAPL was taken to an off-site licensed disposal or recycling facility
Septic Tank and Septage	Septic tank abandonment	Septage was removed by a county approved pumper and treated in accordance with applicable regulations, empty tanks were taken to Rabanco disposal facility

File: H:\1939 10-19390-COIN-T001.dwg Layout: FIG 1-1 User: emarshall Plotted: Jun 28, 2 10:25am Xref's:



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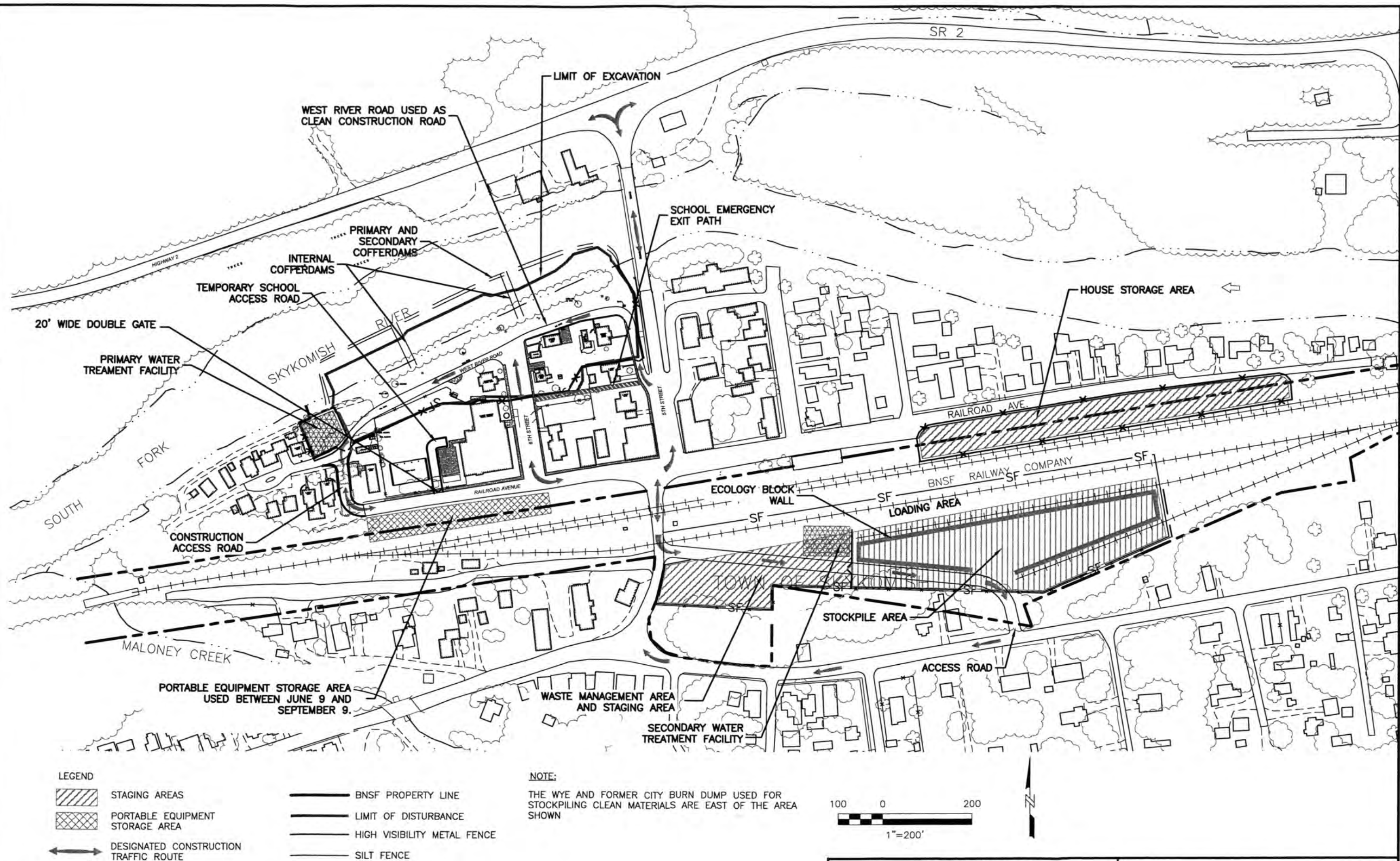
COMPLETION REPORT
SKYKOMISH LEVEE REMEDIATION
BN050-19390-230

DATE: 06/28/07 DRWN: E.M./SEA

SITE LOCATION MAP

FIGURE 1-1

File: H:\19390\BN050-193905020.DWG Layout: FIG 3-1 User: emarshall Plotted: Jun 28, 2007 - 10:27am Xref's:



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COMPLETION REPORT
SKYKOMISH LEVEE REMEDIATION

BN050-19390-230

DATE: 06/28/07

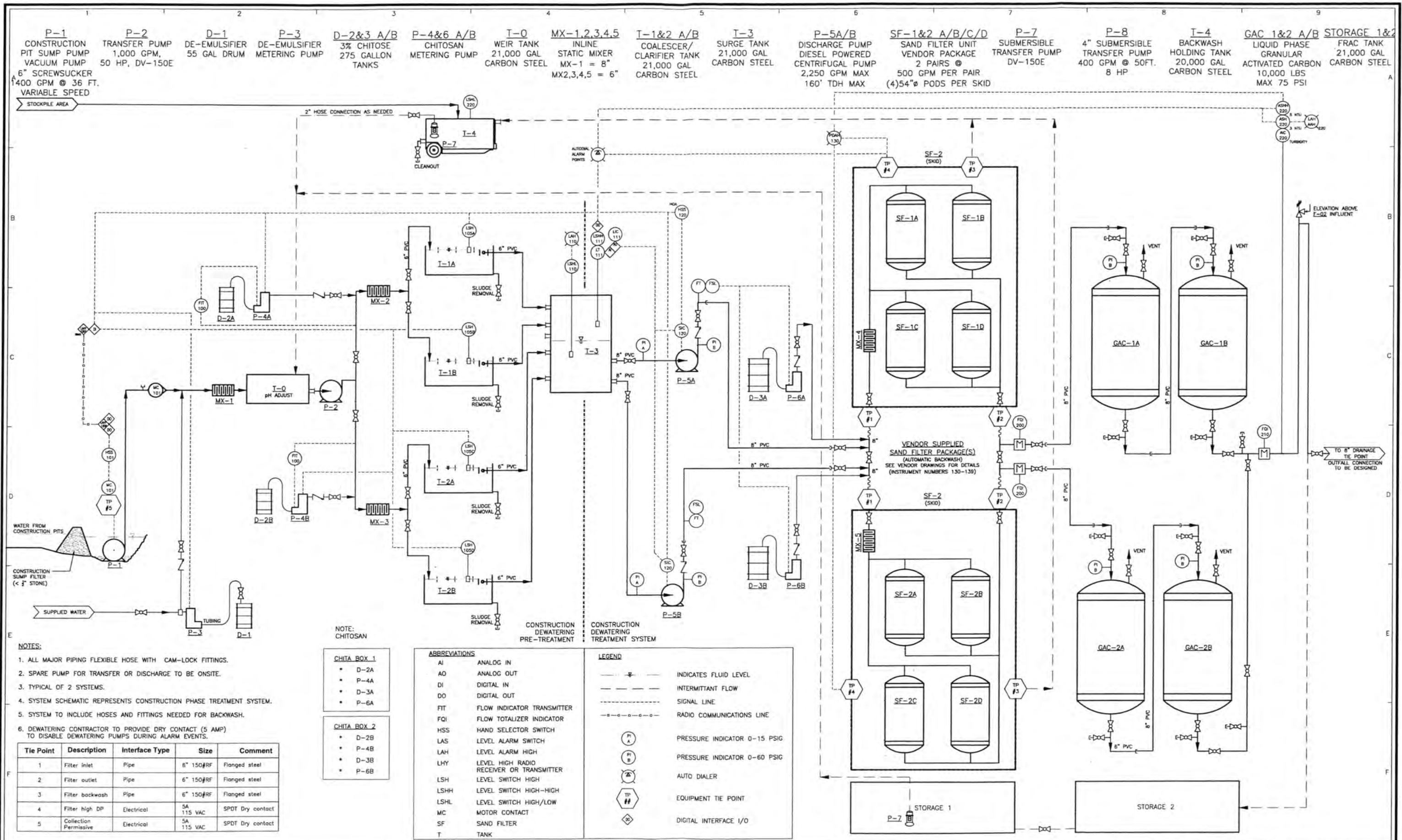
DRWN: E.M./SEA

CONSTRUCTION LAYOUT PLAN

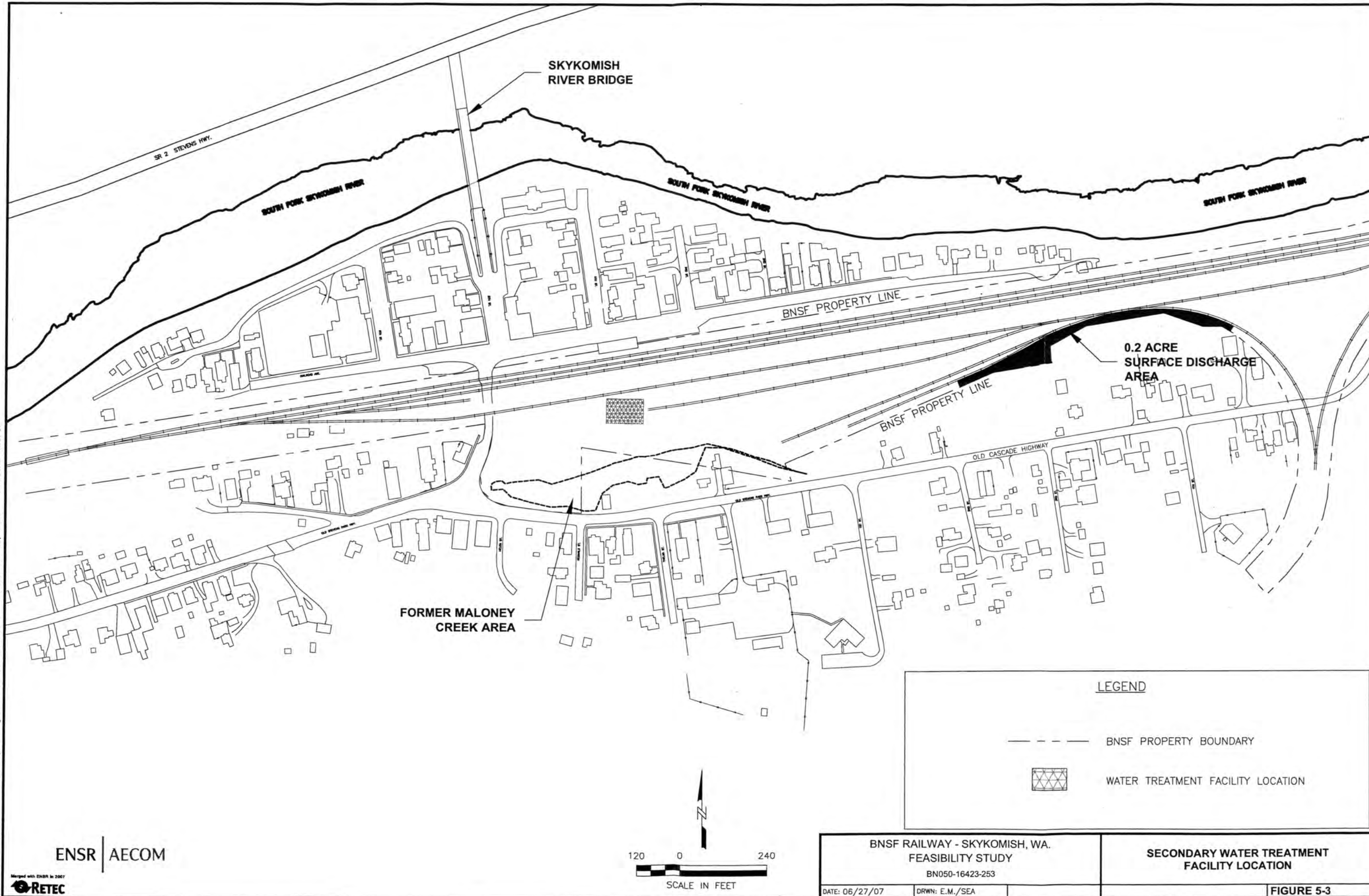
FIGURE 3-1

π

FIGURE 5-1



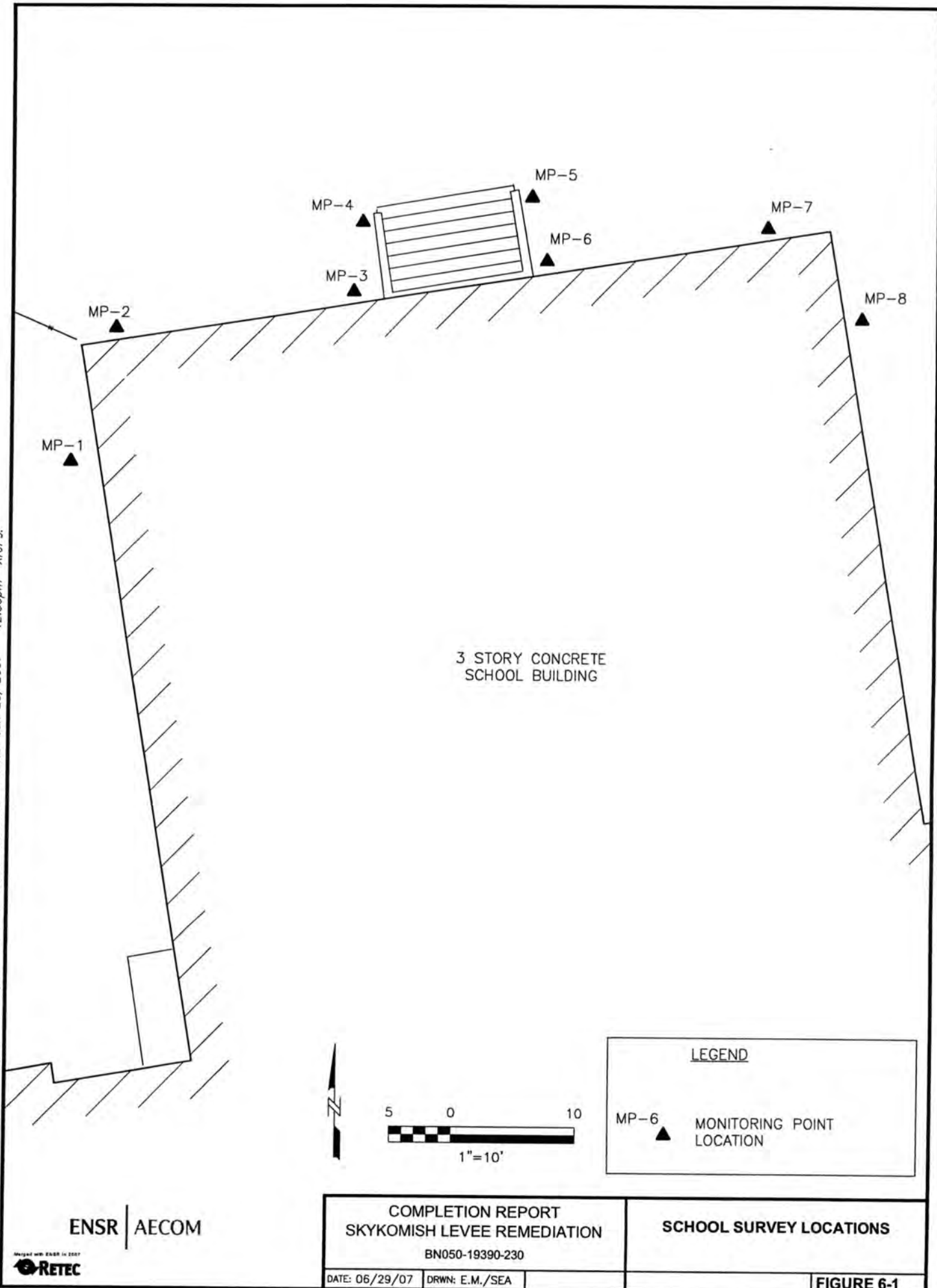
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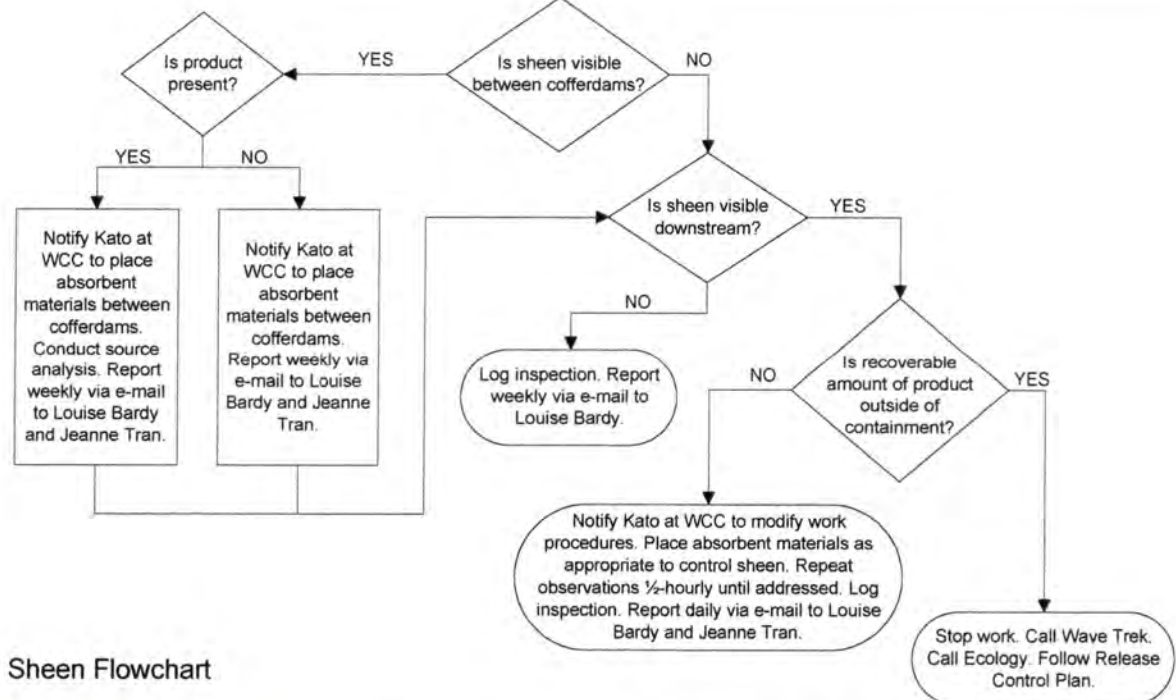
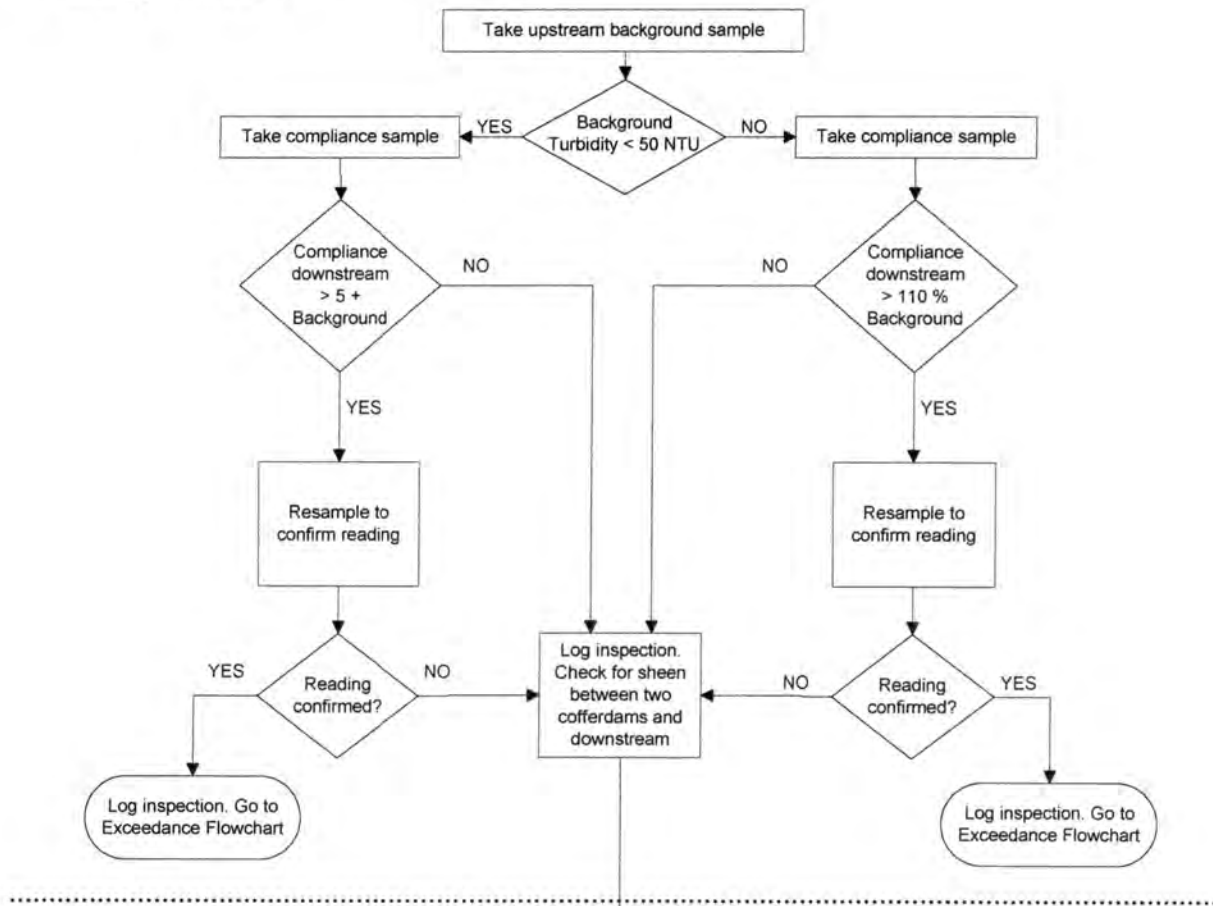


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FIGURE 6-1

Turbidity Flowchart



Sheen Flowchart



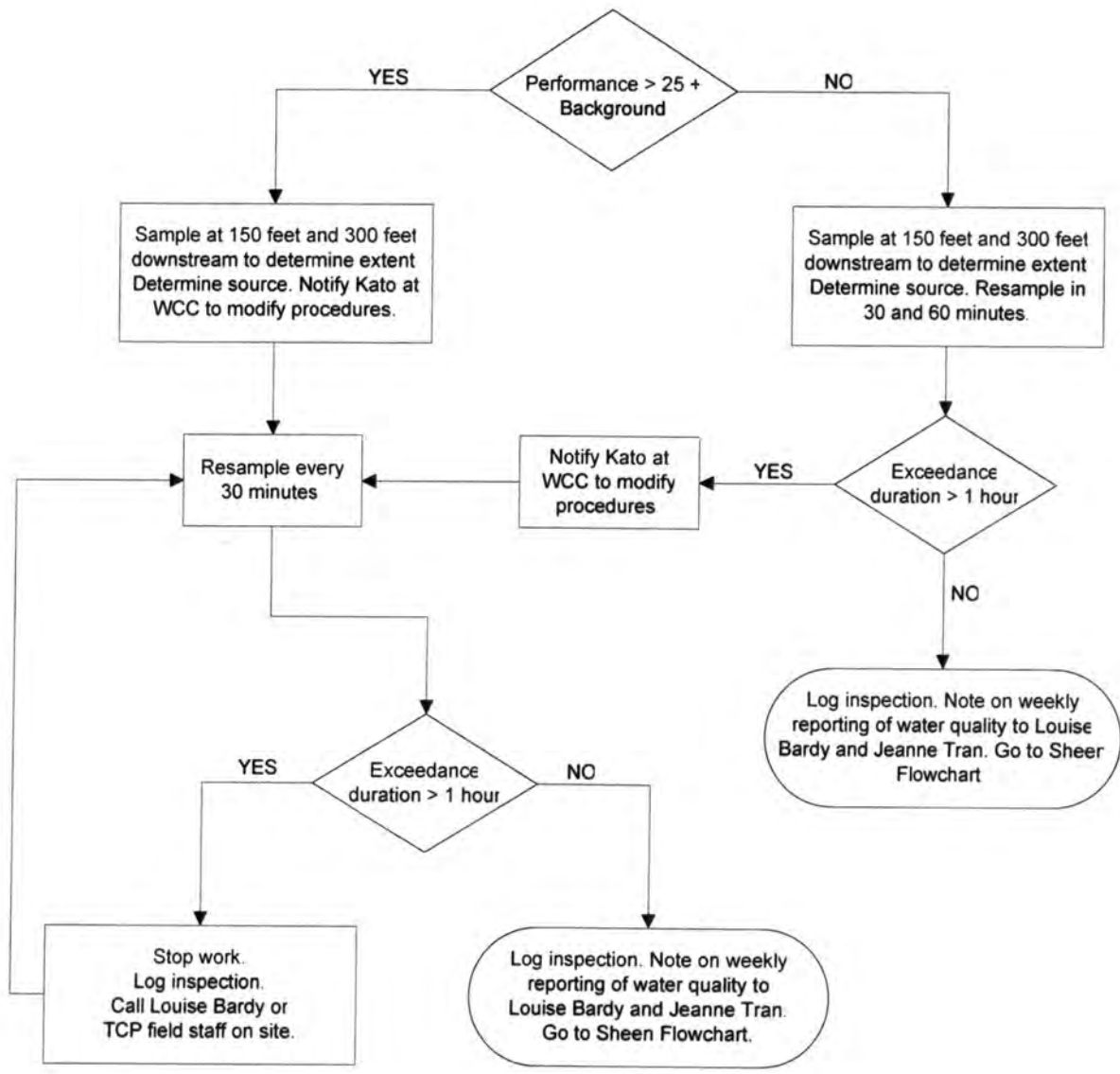
COMPLETION REPORT
SKYKOMISH LEVEE
REMEDATION

Date: June 2007

File:

TURBIDITY AND SHEEN
FLOWCHART

FIGURE 6-2a



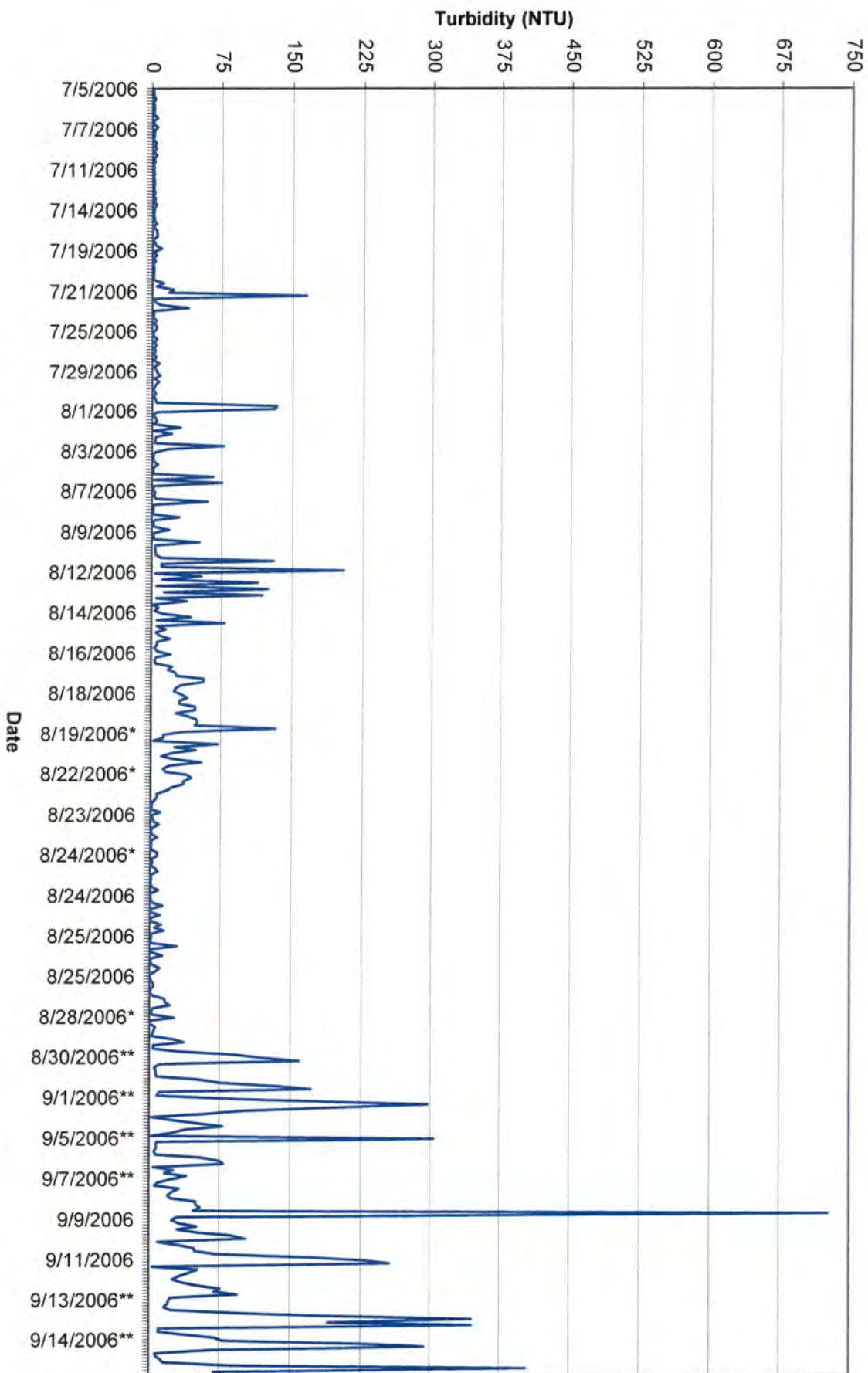


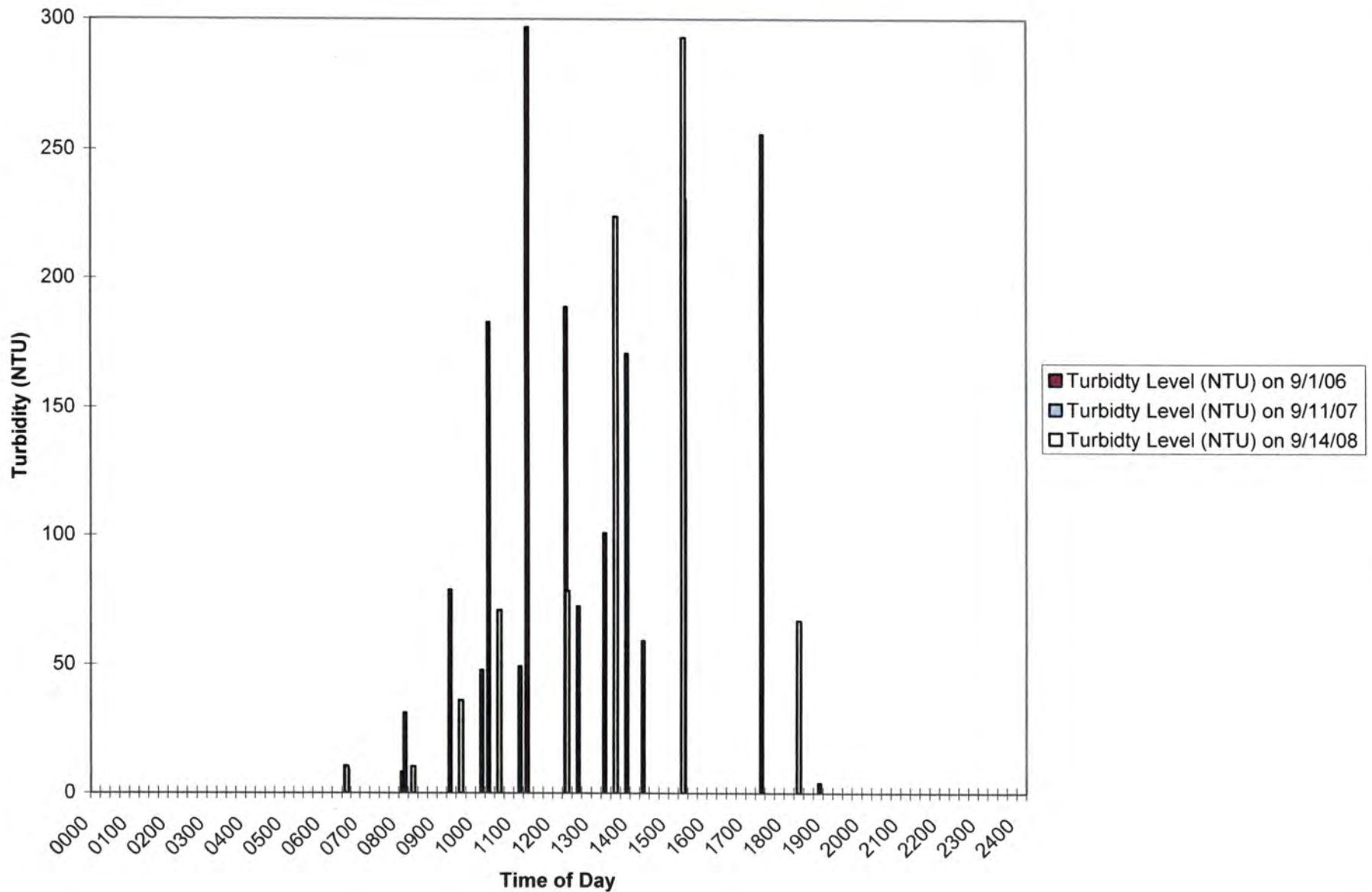
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SKYKOMISH LEVEE REMEDIATION
BN050-19390-230

Date: 04/06/2007 File: 19390-230

TURBIDITY AT THE 300 FOOT COMPLIANCE POINT
DURING IN-WATER WORK

FIGURE 6-3





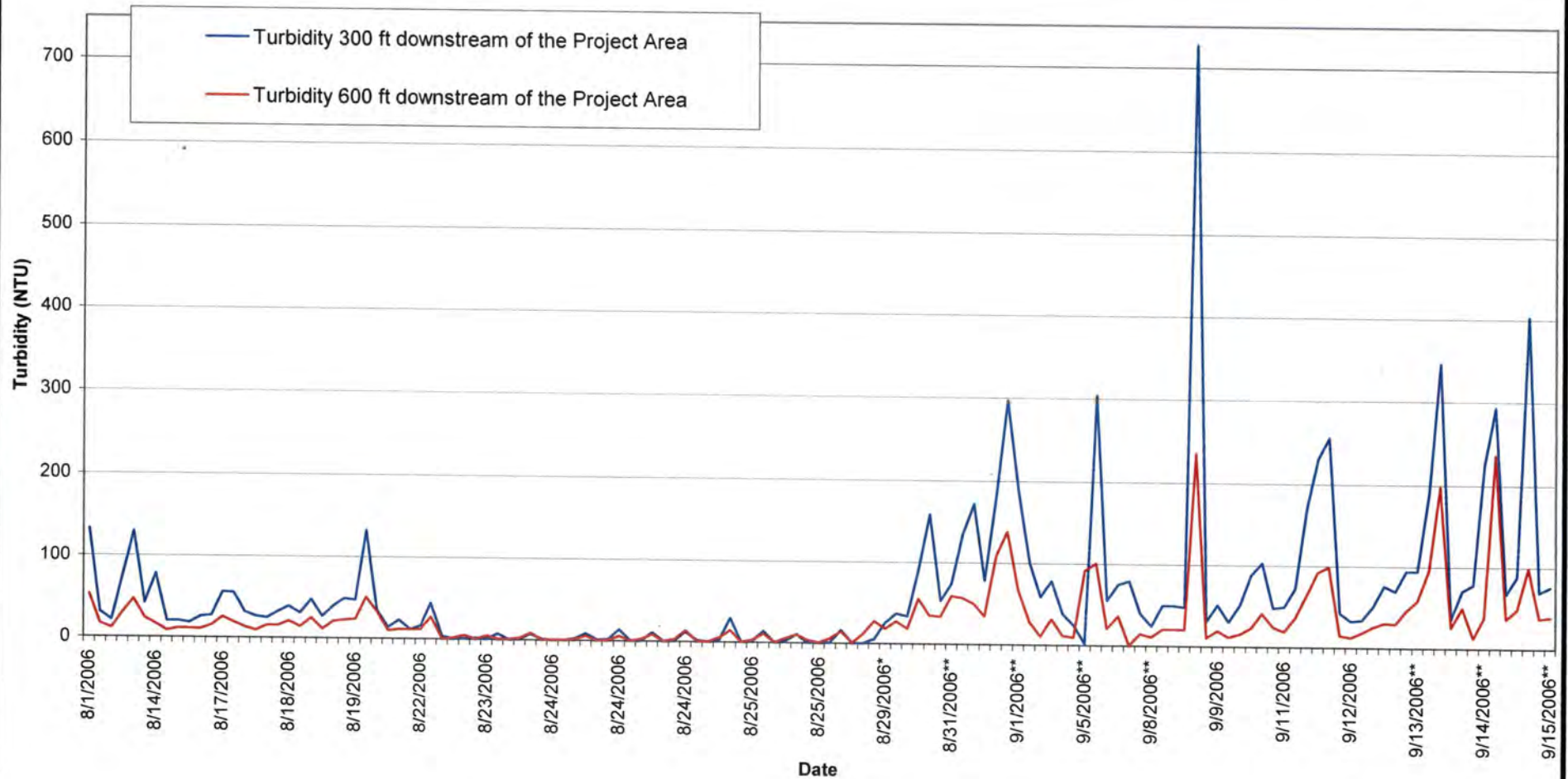
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SKYKOMISH LEVEE REMEDIATION
BN050-19390-230

Date: 04/06/2007

File: 19390-230

TURBIDITY AT THE 300 FT COMPLIANCE POINT
VARIATION THROUGH WORK DAY

FIGURE 6-4



COMPLETION REPORT
SKYKOMISH LEVEE REMEDIATION
BN050-19390-230

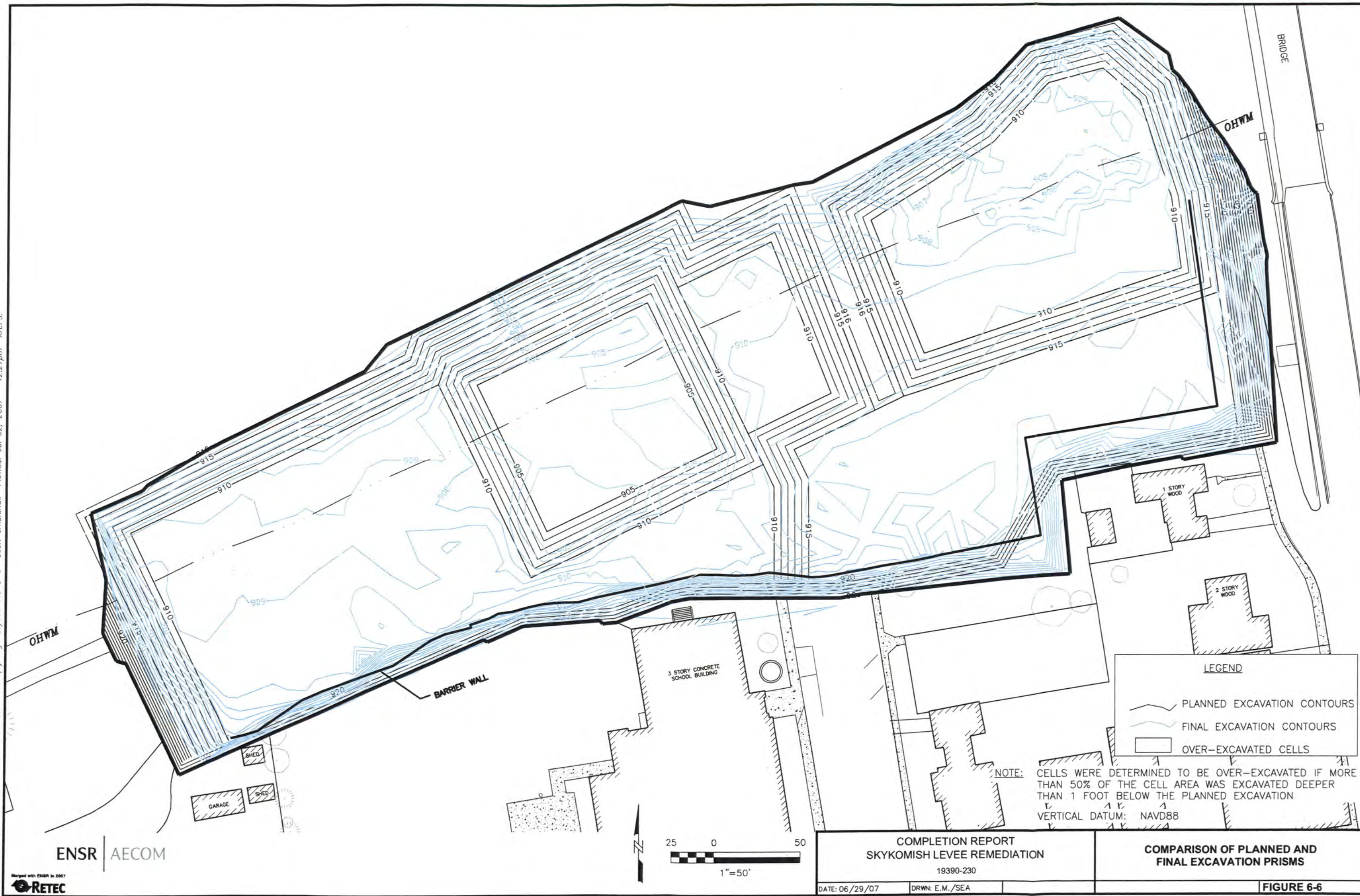
Date: 04/06/2007

File: 19390-230

TURBIDITY AT THE 300 FT AND 600 FT SAMPLING
POINTS

FIGURE 6-5

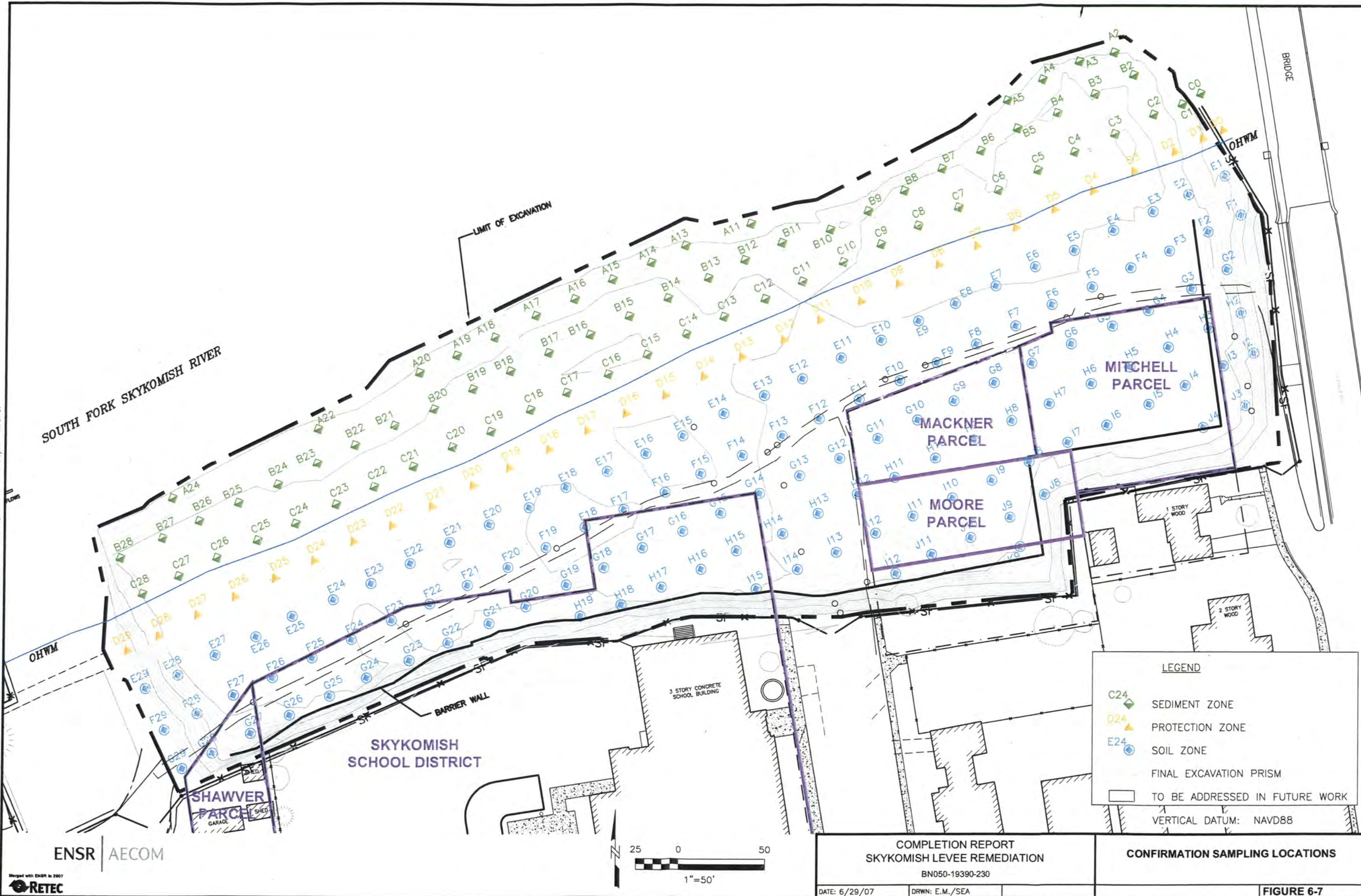
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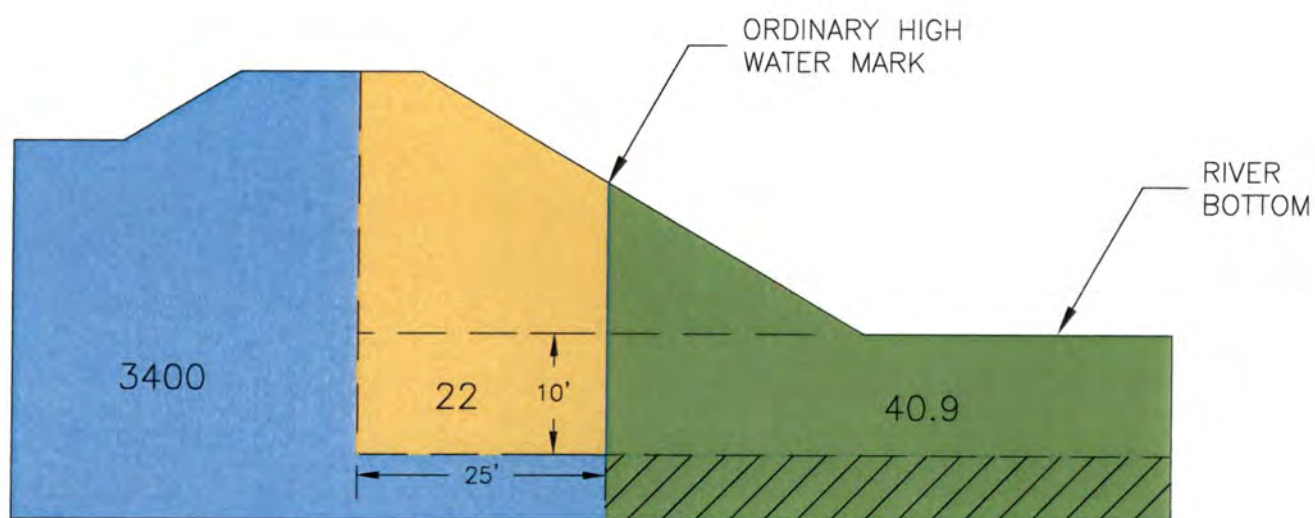
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RETEC

File: H:\19390\BN050-19390\022.DWG Layout: FIG 6-7 User: emarshall Plotted: Jul 02, 2007 - 12:28pm Xref's:



File: H:\19390\1\...TION(b).dwg Layout: FIG 6-8 User: emarshall Plotted: Jun 28, 2007 - 12:22pm Arel's:



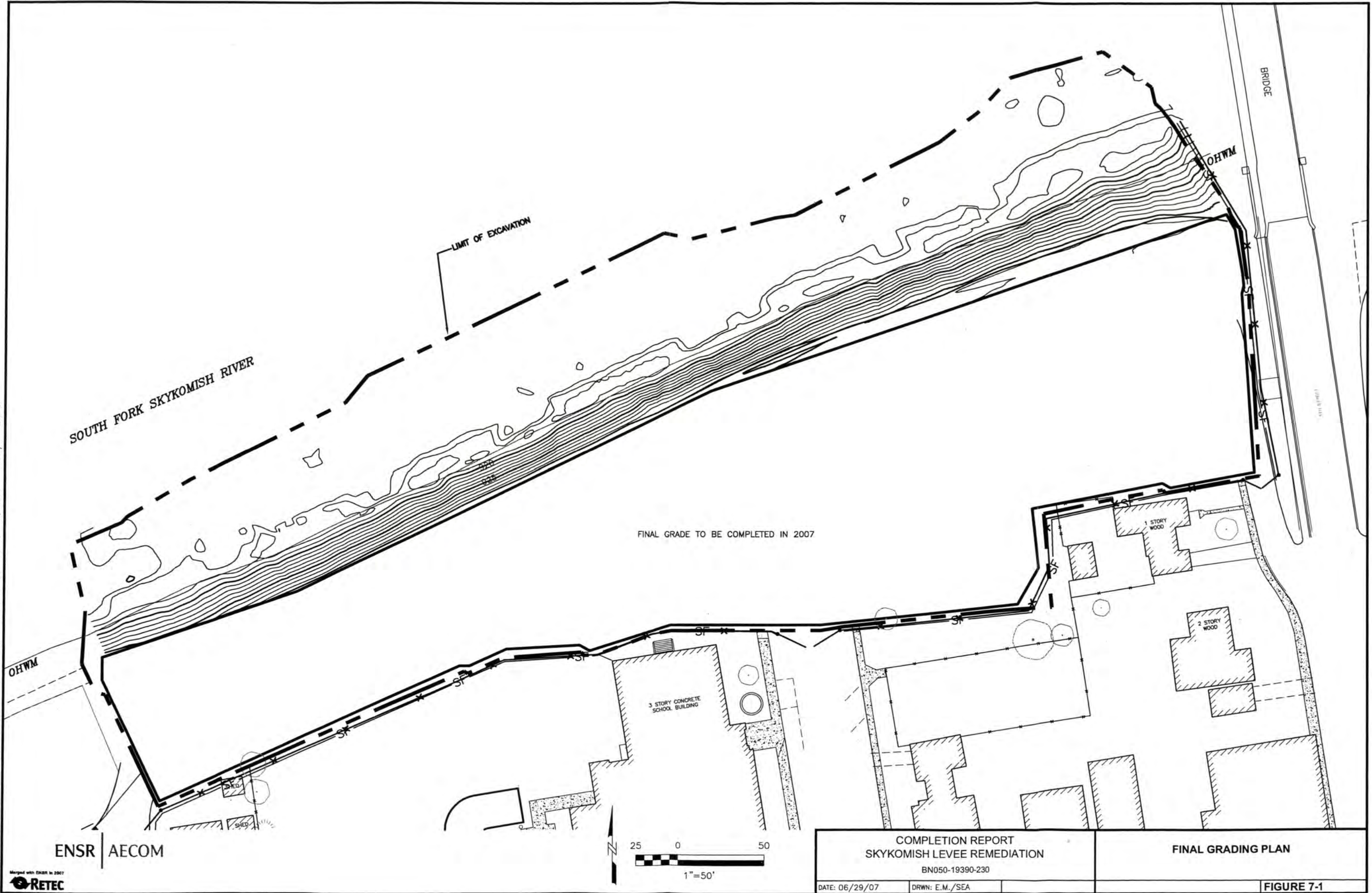
- SOIL CLEANUP LEVEL: 22 mg/kg OR PQI: 25' WATERWARD OF OHWM UP TO 10 FEET BELOW RIVER BOTTOM
- SOIL REMEDIATION LEVEL 3,400 mg/kg
- SEDIMENT CLEANUP LEVEL: 40.9 mg/kg UP TO 10 FEET BELOW RIVER BOTTOM
- IF >40.9 mg/kg, CONSULT WITH ECOLOGY

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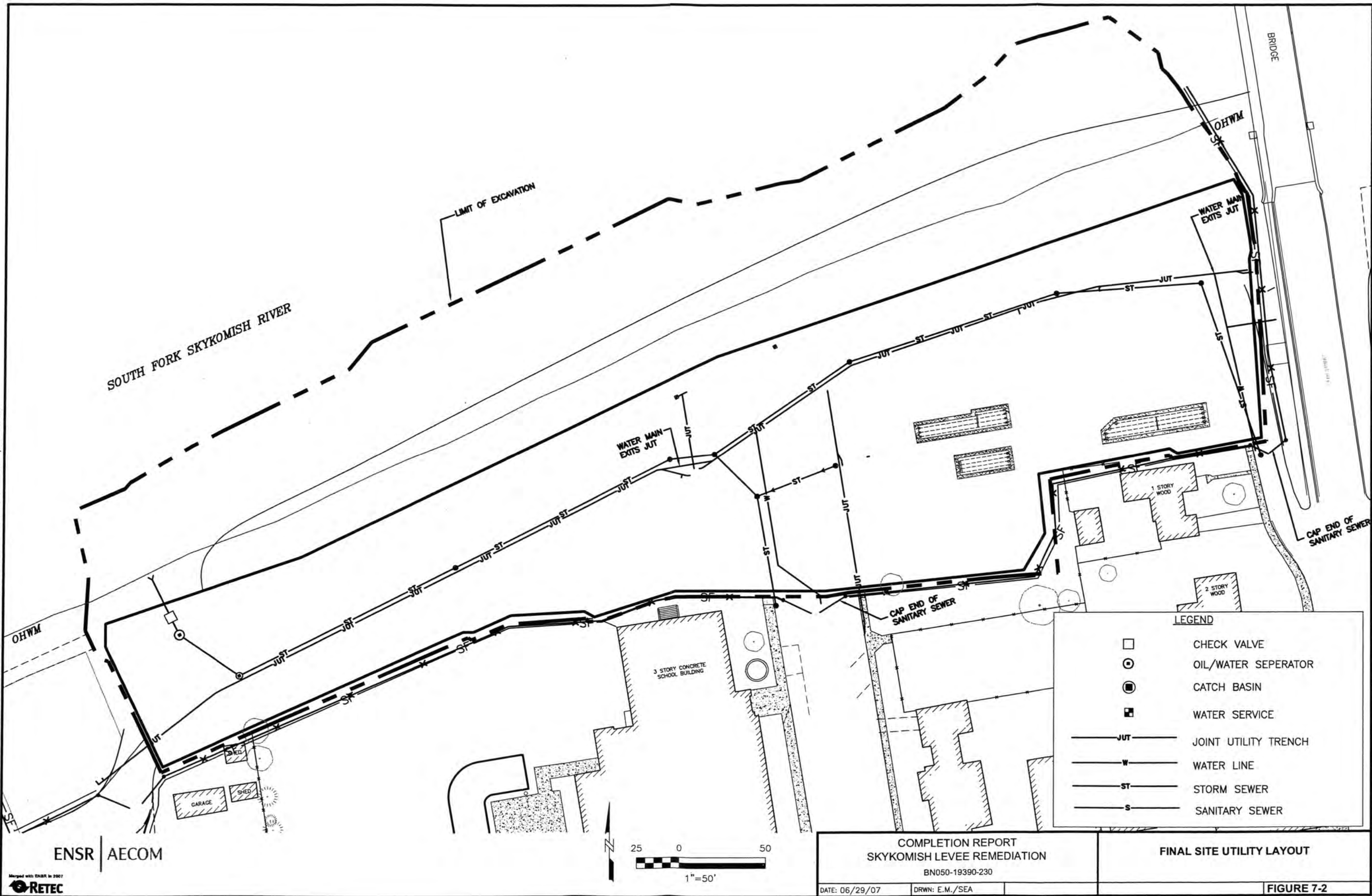


COMPLETION REPORT SKYKOMISH LEVEE REMEDIATION BN050-19390-230		APPLICABLE CLEANUP AND REMEDICATION LEVELS	
DATE: 06/28/07	DRWN: E.M./SEA		FIGURE 6-8

File: H:\19390\BN050-193905023.DWG Layout: FIG 7-1 User: emarshall Plotted: Jun 28, 2007 - 12:42pm Xref's:



File: H:\19390\BN050-19390\05025.DWG Layout: FIG 7-2 User: emarshall Plotted: Jun 28, 2007 - 12:31pm Xref's:



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Merged with ENSR in 2007
RETEC

Appendix A
RETEC Weekly Reports



May 22, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending May 19, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

The weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending May 19, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed description of any deviations from the Order and project plans and
- Description of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule

Activities

- Application of the dust suppressant Soil Sement on May 14, 2006, to accessible areas of the railyard where surface soil impacts have been identified.
- Boom maintenance continued 5 days per week.
- RETEC and Ecology representatives participated in a conference call on May 16, 2006 to discuss project activities.
- RETEC and Ecology representatives met on May 19, 2006 to review preliminary data analyses summarizing the first year of groundwater monitoring under the site-wide Groundwater Monitoring Plan (May 12, 2005) and to discuss changes to the monitoring program that will take affect during the next groundwater sampling event scheduled to begin May 22, 2006.
- Preparation of the annual and previous two quarterly groundwater monitoring reports is in process.

- The Agreed Order for the Levee Zone Interim Action for Cleanup was signed, effective May 19, 2006. BNSF has obtained signed access agreements from the Town, School and the residents whom are being relocated.
- Contracting of D. B. Davis LLC, House Moving and Raising Specialists is in process.
- Coordination with utility companies re: easements, disconnects and bypass lines continued.
- Selection of a general contractor and preliminary contracting is in process.
- Landscaping conditions of the 5 houses to be moved were documented by Highridge.
- Snyder Hartung Kane Strauss Architects (SHKS) initiated Historic American Building Survey/Historic American Engineering Record (HABS/HAER) Level 1 documentation for the Teacherage and Washington Department of Archaeology and Historic Preservation (DAHP) Level 2 documentation for the Moore and Mackner houses. Field work is expected to be completed by May 26, 2006.
- The Mackners, Moore and Goulds were moved out of their homes.
- A propane tank was removed from the Moore residence.
- Asbestos abatement was performed at the Lyderson house.
- A draft air monitoring plan prepared by Argus Pacific was submitted to Ecology for review and comment. A conference call to discuss Ecology's comments and questions is tentatively scheduled for 10 am May 24.
- Hydraulic modeling of the So. Fork Skykomish River was performed by Coast and Harbor Engineering. Two technical memoranda that describe the results of this modeling were submitted to the levee design team during the reporting period.
- The SWPPP, Spill Control Plan and O&M Manual required by the NPDES permit are being prepared.
- Boart Longyear was selected for abandonment of wells located within the excavation area.

Deviations

There are no deviations from the Order or project plans to report.

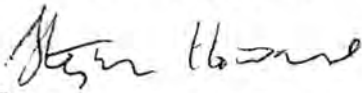
Louise Bardy
May 22, 2006
Page 3

Schedule

No deviations are anticipated from the schedule in Exhibit E of the Agreed Order.

Sincerely,

The RETEC Group, Inc.


for Halah M. Voges, P.E.
Senior Program Manager

cc: Bruce Sheppard – BNSF
Craig Trueblood – PG&E
Angie Thomson – Enviroissues
Mike Byers, Sarah Albano, Stephen Howard - RETEC



May 30, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending May 26, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

The weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending May 26, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed description of any deviations from the Order and project plans and
- Description of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule

Activities

- Boom maintenance continued 5 days per week.
- RETEC and Ecology representatives participated in a conference call on May 23, 2006 to discuss project activities.
- Site-wide fluid level gauging and groundwater sampling was conducted in accordance with the Groundwater Monitoring Plan (May 12, 2005) and included changes to the monitoring program that BNSF and Ecology agreed to on May 19, 2006. These changes will be documented in the annual monitoring report.
- Preparation of the annual and previous two quarterly groundwater monitoring reports is in process.
- Contracting of D. B. Davis LLC, House Moving and Raising Specialists is in process.
- Easements were obtained to allow for relocation of utilities.
- Wilder Construction was provided verbal notification that they have been selected as general contractor. Contracting between BNSF and Wilder is in process.

- Snyder Hartung Kane Strauss Architects (SHKS) completed the field work portion of Historic American Building Survey/Historic American Engineering Record (HABS/HAER) Level 1 documentation for the Teacherage and Washington Department of Archaeology and Historic Preservation (DAHP) Level 2 documentation for the Moore and Mackner houses.
- A conference call between Ecology, RETEC and Argus Pacific representatives was held on May 24 to discuss Ecology's comments and questions. Revision of the plan is in process to address Ecology's comments.
- Comments were received from Tom Bean with King County re: hydraulic modeling of the So. Fork Skykomish River performed by Coast and Harbor Engineering. Additional work by Coast & Harbor Engineering is in process to address Mr. Bean's comments.
- The SWPPP, Spill Control Plan and O&M Manual required by the NPDES permit are being prepared.
- Well abandonment has been scheduled for the week of June 12.
- Replacement septic system designs are under review by the King County review board.
- Wyser Construction is scheduled to complete trenching and conduit installation in the school yard on Saturday, June 3. The conduit will be used to relocate the school's Verizon line.
- A large tree was removed from the Lyderson property to allow construction of the temporary access road from Railroad Ave. to W. River Drive.
- Scope of work is being developed for the emergency response contractor, Wave Trek.
- RETEC inspected used sheet piles at Wilder's yard for suitability for this project.
- RETEC and Wilder met with Wilder's shoring engineer to review excavation shoring plans.
- A meeting is scheduled between Rabanco, BNSF and Wilder for Thursday, June 1 to coordinate soil shipping.
- Puget Sound Energy (PSE) is installing the bypass line on June 5. Pacific Industrial Resources (PIR) will assist PSE by excavating a hole for installation of a guy pole along Railroad Ave. and handling/disposing of potentially impacted soils removed from the hole.

Louise Bardy
May 30, 2006
Page 3

- A meeting between Town representatives, KPG (architect for levee landscape/path design) and RETEC is scheduled for Friday, June 2.

Deviations

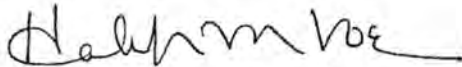
There are no deviations from the Order or project plans to report.

Schedule

No deviations are anticipated from the schedule in Exhibit E of the Agreed Order.

Sincerely,

The RETEC Group, Inc.



Halah M. Voges, P.E.
Senior Program Manager

cc: Bruce Sheppard – BNSF
Craig Trueblood – PG&E
Angie Thomson – Enviroissues
Chris Yates, Clerk - Town of Skykomish
David Carson – Bell & Ingram, P.S.
Skykomish Environmental Coalition
Gary West – Skykomish Resident
Daryl Petrarca - AdaPT
Mike Byers, Sarah Albano, Stephen Howard, File BN050-19390 - RETEC



June 5, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending June 2, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending June 2, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed description of any deviations from the Order and project plans and
- Description of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule

Activities

- Boom maintenance continued 5 days per week.
- RETEC and Ecology representatives participated in a conference call on May 30, 2006 to discuss project activities.
- Email comments were received from Charlie Sundberg, Preservation Planner for King County Historic Preservation Program re: the draft Cultural Resources Monitoring & Discovery Plan. A letter from Russell Holter, Project Compliance Reviewer with the State of Washington Department of Archaeology & Historic Preservation (DAHP) was also received with comments on the Cultural Resources Monitoring & Discovery Plan. RETEC provided to Ecology a brief write-up outlining how comments raised by King County and DAHP are being addressed, and where that information is documented. Northwest Archaeological Associates (NWAA) is preparing a treatment plan to document the methods being used to protect historic buildings which will be temporarily relocated in a single document in response to the comments received from King County and DAHP. It is anticipated that we will be able to submit the treatment plan to Ecology by June 9, 2006. However, houses will be prepared and moved once contracting with the

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Page 2

house mover (D.B. Davis LLC, House Moving and Raising Specialists) has been completed so as not to delay the project schedule.

- Preparation of the annual and previous two quarterly groundwater monitoring reports is in process.
- Contracting of D.B. Davis LLC, House Moving and Raising Specialists is in process. Upon completion, asbestos abatement of the Teacherage and Moore house will be performed, along with pre-move inspection/documentation.
- Contracting between BNSF and Wilder Construction was completed. Wilder submitted their Health and Safety Plan (HASP) to RETEC for review and began mobilization of equipment and materials to the site. A gravel pad was constructed for placement of jobsite trailers. Two trailers were brought on site. During the coming week, Wilder plans to begin installation of rail holding racks on the railyard. Installation will involve drilling 3-foot deep foundation holes and cementing the racks into the ground. Soil generated during the installation will be removed by truck to Rabanco for disposal. Preparation of the water treatment area (clearing and some grading) for installation of the liner and the water treatment system is also scheduled to begin.
- The personal belongings of renters residing in the Mitchell rental house were moved. All five houses are vacant and available for temporary relocation.
- The propane tank at the Mackner house was removed during the week ending May 26.
- A revised Air and Noise Monitoring Plan was submitted to Ecology in electronic format (without appendices). Baseline air sampling was initiated Thursday, June 1 and will be completed Monday, June 5. Perimeter air monitoring is scheduled to begin next week in conjunction with grading activities. Hard copies of the plan, including appendices, will be submitted to Ecology the week of June 5.
- It was confirmed with a member of the Skykomish School Board that summer school will be held at the Masonic Hall rather than at the school.
- The draft Stormwater Pollution Prevention Plan (SWPPP) and Spill Control Plan were submitted in electronic format to Ecology June 1. Hard copies, along with signed BNSF certification and professional engineer stamped pages will be submitted to Ecology the week ending June 9.
- A written response from Seattle and King County Public Health disapproved applications for replacement septic systems at the Mackner, Mitchell and Moore residences. This is part of the anticipated process to have the septic system designs go to the review board on appeal. Craig Shuck with Seattle-King County Public Health requested specific supplemental information re: monitoring well data and samples of the structural fill and

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Page 3

stabilization fill. RETEC is compiling monitoring well data, and will inform Mr. Shuck when fill is expected to be on site. Mr. Shuck is preparing the review board applications; RETEC will pay the required application fees on behalf of BNSF.

- Finalizing of the O&M Manual for submittal to Ecology on Monday, June 5 is in progress. The O&M Manual is a requirement under the NPDES permit.
- Surveying of the Railroad Ave. right-of-way is scheduled for week ending June 9.
- Installation of the Verizon conduit is scheduled for Saturday, June 3 so as not to disturb school operations during the week. This work will involve cutting and re-pouring of sidewalks, a manlift to install conduit onto the building, location and crossing of irrigation system lines, location and crossing of a water line, location and crossing of a sewer line, placement of steel plates over the sewer drain line, location and crossing of a fuel line and soil disposal at Rabanco. The work also involves hand digging and/or use of a vacuum truck for digging to ensure that utilities are not damaged.
- Installation of the electrical bypass line has been rescheduled for Wednesday, June 7 instead of Monday, June 5 by Potelco (contractor for Puget Sound Energy). Pacific Industrial Resources will excavate the guy pole hole on Monday as planned. The hole will be protected until Wednesday. The excavated soil will be stored in a small lined and bermed stockpile area constructed by Wilder on the railyard and will be covered pending disposal.
- A meeting was held on Friday, June 2 with the Town's levee design committee, Paul Fuesel of KPG (landscape architect) and Mike Byers (RETEC) to finalize levee design details. Another meeting will be held in two weeks to finalize details.
- A meeting was held on Thursday, June 1 with Wilder, Rabanco, BNSF Operations, Bruce Sheppard (BNSF Environmental Remediation) and Mike Byers (RETEC) to discuss soil shipping needs for the project.
- Well abandonment has been rescheduled for the week of June 19 to allow sufficient time to remove vaults.

Deviations

There are no deviations from the Order or project plans to report.

Schedule

No deviations are anticipated from the schedule in Exhibit E of the Agreed Order.

[Click [here](#) and type name]

[Click [here](#) and type date]

Page 4

Sincerely,

The RETEC Group, Inc.

Halah M. Voges, P.E.

Senior Program Manager

cc: Angie Thomson - Enviroissues
Bruce Sheppard - BNSF
Chris Yates, Clint Stanovsky – Town of Skykomish
Craig Trueblood – PG&E
Daryl Petrarca - AdaPT
David Carson – Bell & Ingram, P.S.
Desiree Gould – Skykomish School Superintendent
Gary West – Skykomish Resident
John Robinson – US Forest Service
Lorna Goebel, Michael Moore – Skykomish Environmental Coalition
Mike Byers, Sarah Albano, Steve Howard, File BN050-19390



June 12, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending June 9, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending June 9, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed description of any deviations from the Order and project plans and
- Description of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule

Activities

- Boom maintenance continued 5 days per week.
- RETEC and Ecology representatives participated in a conference call on June 6, 2006 to discuss project activities.
- Northwest Archaeological Associates (NWAA) continues to prepare a treatment plan to document the methods being used to protect historic buildings which will be temporarily relocated in a single document in response to the comments received from King County and DAHP. An anticipated submittal date is not available at this time. However, houses will be prepared and moved once contracting with the house mover (D.B. Davis LLC, House Moving and Raising Specialists) has been completed so as not to delay the project schedule.
- Preparation of the annual and previous two quarterly groundwater monitoring reports is in process.
- Contracting of D.B. Davis LLC, House Moving and Raising Specialists is in process. Upon completion, asbestos abatement of the Teacherage and Moore house will be

performed. Pre-move inspection/documentation was performed by Devin Lehmann with Pillar to Post during the reporting period.

- Wilder set up job site trailers, prepared, lined and paved the water treatment area, and installed temporary fencing on the railyard.
- The Lyderson house was demolished.
- The complete Air and Noise Monitoring Plan, with appendices, was submitted to Ecology. Baseline air monitoring was completed Tuesday, June 6. BNSF/RETEC received comments on the plan from Ecology on Thursday, June 8. RETEC and Argus Pacific are preparing a response to the comments.
- BNSF certification and professional engineer stamp for the Stormwater Pollution Prevention Plan (SWPPP) and Spill Control Plan will be submitted to Ecology as soon as BNSF review of the plan is complete.
- A draft O&M Manual was submitted to Ecology on Monday, June 5 as required by the NPDES permit.
- Surveying of the Railroad Ave. right-of-way was completed.
- Installation of the Verizon conduit in the school yard was performed on Saturday, June 3 as described in last week's report. No evidence of hydrocarbons was observed in the shallow soils encountered during this work.
- The PSE electrical bypass line was installed, electrical lines were removed from the poles along the levee, and electrical service to the Lyderson house and houses to be moved was disconnected.
- Coast & Harbor Engineering submitted a draft technical memorandum to RETEC that responds to Tom Bean's questions re: surface water modeling. The memo will be finalized and submitted to the levee design team the week of June 12.
- RETEC initiated preparation of the Solid Waste Management Plan (required by the NPDES permit) and Water Quality Monitoring Plan (required by Exhibit H.1 Water Quality Certification of the Agreed Order). The Water Quality Monitoring Plan is due to Ecology on June 16 (15 days prior to construction of the cofferdam).
- Wilder will continue preparation of the soil handling area on the railyard the week of June 12 including grading, lining and paving activities.

Ms. Bardy
June 12, 2006
Page 3

- RETEC has ordered installation of T-1 line at the BNSF house. We are currently evaluating options for extending this service to Ecology's field office located in the Community Center.

Deviations

There are no deviations from the Order or project plans to report.

Schedule

No deviations are anticipated from the schedule in Exhibit E of the Agreed Order.

Sincerely,

The RETEC Group, Inc.

Halah M. Voges, P.E.
Senior Program Manager

cc: Angie Thomson - Enviroissues
Bruce Sheppard - BNSF
Chris Yates, Clint Stanovsky – Town of Skykomish
Craig Trueblood – PG&E
Daryl Petrarca - AdaPT
David Carson – Bell & Ingram, P.S.
Desiree Gould – Skykomish School Superintendent
Gary West – Skykomish Resident
John Robinson – US Forest Service
Lorna Goebel, Michael Moore – Skykomish Environmental Coalition
Mike Byers, Sarah Albano, Steve Howard, Joyce Sheldon, Denell Warren, File BN050-19390



June 19, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending June 16, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending June 16, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed description of any deviations from the Order and project plans and
- Description of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule

Activities

- Boom maintenance continued 5 days per week.
- RETEC and Ecology representatives participated in a conference call on June 13, 2006 to discuss project activities.
- Northwest Archaeological Associates (NWAA) submitted a draft technical memorandum addressing DAHP and King County comments on the draft Cultural Resources Monitoring & Discovery Plan to RETEC for review. They are completing the memo and plan to submit it to RETEC the week of June 19.
- The contract between BNSF and D. B. Davis Rigging & House Moving has been signed. Final house inspections will be performed the week of June 19, and houses will be rigged for moving. Asbestos abatement of the Teacherage and Moore house is scheduled for the week of June 26.
- Quarterly groundwater monitoring reports were submitted to Ecology for the 3rd and 4th quarters of 2005. Preparation of the annual groundwater monitoring report is in process.

- Demolition debris from the former Lydersen house was removed and grading of the temporary access road through the former Lydersen property was performed.
- Argus Pacific is revising the Air and Noise Monitoring Plan in response to Ecology comments and we expect to submit the plan to Ecology the week of June 19. Argus Pacific conducted daily monitoring for dust, and twice weekly air monitoring for petroleum distillates, diesel exhaust and PAHs in accordance with the draft Air and Noise Monitoring Plan. We are in the process of procuring noise monitoring equipment.
- RETEC received draft comments from Ecology on the draft SWPPP on June 16 and is expecting a comment letter the week of June 19.
- Corporate and Seattle RETEC Health and Safety (H&S) Officers conducted a H&S audit of the site.
- Fence posts along the south side of the railyard have been removed and replaced with a fence that is further to the south, closer to the BNSF property line. Impacted fence post footings will be disposed of with impacted soils rather than as construction debris.
- The Verizon bypass line for W. River Road and the School's T1 line was installed.
- The RETEC H&S Plan was submitted to Ecology.
- The Coast & Harbor Engineering technical memorandum was submitted to the levee design team.
- RETEC submitted a draft Water Quality Monitoring Plan (required by Exhibit H.1 Water Quality Certification of the Agreed Order) to Ecology on June 16.
- Wilder installed the liner for the stockpile area on the railyard and moved Baker tanks onto the treatment area and began plumbing work.
- RETEC has ordered installation of a T-1 line at the BNSF house. We are continuing to evaluate options for extending this service to Ecology's field office located in the Community Center via a wireless bridge, and expect to have it in place by the first week of July.
- The school memorial was relocated. Rocks comprising the Mitchell pond will be relocated the week of June 19.
- RETEC submitted a compilation of materials containing information to support BNSF's application for Hydraulic Project Approval (HPA) to Bill Mavros with the Department of Fish and Wildlife (c/o Ecology) at his request.

- Overburden soil samples were collected from the levee for laboratory analysis of NWTPH-Dx. The levee was sampled as a clean stockpile in accordance with the Engineering Design Report (EDR; May 2006) and Sampling and Analysis Plan (SAP; Appendix G of the EDR). Approximately 400 cy of the 2,700 cy "stockpile" exceeded 35 ppm TPH.
- 6000 feet of rail cars have been staged in Gold Bar; 1000 feet of rail cars can be staged on the railyard at one time.
- A pre-construction meeting with Wilder, Ecology and RETEC will be held at Wilder's offices on Tuesday, June 20.
- Wilder is hosting a BBQ for the community at the Skykomish ball field, Thursday, June 22 from 5:30 – 7:00 pm.
- The King County sewer review committee will meet on site Thursday, June 22 at 12:45 pm for a hearing re: permit requests for replacement septic systems at the Mackner, Mitchell and Moore houses.
- Additional field activities scheduled for the week of June 19 include:
 - Clearing and grubbing of vegetation on the levee
 - Excavation of levee above the ordinary high water mark (OHWM)
 - Paving of the bypass road and stockpile handling area on the railyard
 - Complete fencing and close off W. River Road
 - Power poles on levee will be removed
 - Skimmer pumps will be removed from recovery wells, product will be pumped out, and wells within the levee zone remediation area will be abandoned

Deviations

There are no deviations from the Order or project plans to report.

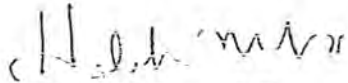
Schedule

No deviations are anticipated from the schedule in Exhibit E of the Agreed Order.

Ms. Bardy
June 19, 2006
Page 4

Sincerely,

The RETEC Group, Inc.



Halah M. Voges, P.E.
Senior Program Manager

cc: Angie Thomson – Enviroissues
Bruce Sheppard – BNSF
Chris Yates, Clint Stanovsky – Town of Skykomish
Craig Trueblood – PG&E
Daryl Petrarca – AdaPT
David Carson – Bell & Ingram, P.S.
Desiree Gould – Skykomish School Superintendent
Gary West – Skykomish Resident
John Robinson – US Forest Service
Lorna Goebel, Michael Moore – Skykomish Environmental Coalition
Mike Byers, Sarah Albano, Steve Howard, Joyce Sheldon, Denell Warren,
File BN050-19390 – RETEC



June 23, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending June 23, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending June 23, 2006 and provides:

- A list of activities that have taken place during the week
- A detailed description of any deviations from the Order and project plans
- A description of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule.

Activities

- Boom maintenance continued 5 days per week.
- A pre-construction meeting was held Tuesday, June 20 at Wilder's offices in Everett between Wilder, Ecology, BNSF, RETEC and Town representatives.
- Northwest Archaeological Associates (NWAA) submitted a technical memorandum addressing DAHP and King County comments on the draft Cultural Resources Monitoring & Discovery Plan to RETEC. This plan was forwarded to Ecology and King County, along with a request that Ecology forward it to DAHP.
- Walk through inspections and house preparation for moving was performed by DB Davis. Asbestos abatement of the Teacherage and Moore house is scheduled for the week of June 26 and will be performed by RMCAT.
- Internal review of the annual groundwater monitoring report is in process.
- Paving of the stockpile area on the railyard and the temporary access road through the former Lyderson property was performed by Wilder.

- The revised final Air and Noise Monitoring Plan prepared by Argus Pacific was submitted to Ecology along with a response to Ecology comments on the plan. The weather station was received and set up, daily particulate monitoring was performed by RETEC, and Argus Pacific conducted twice weekly air monitoring for arsenic and lead, and weekly air monitoring for petroleum distillates, diesel exhaust and PAHs in accordance with the final Air and Noise Monitoring Plan. A hand held sound level meter was obtained for use at the site, and we are awaiting receipt of two continuous noise monitoring instruments.
- RETEC received final comments from Ecology on the draft SWPPP in a letter dated June 19. A response to comments and SWPPP revision are in progress.
- A NPDES Discharge Monitoring Plan was prepared. This will be submitted in the same binder as the SWPPP, but as a stand alone document.
- RETEC submitted Wilder's Health & Safety Plan to Ecology.
- Vegetation was cleared from the levee and from the Moore, Mitchell and Mackner properties by Wilder. Relocation of the school memorial and Mitchell water feature was completed by RETEC.
- Verizon completed installation of the bypass line for the School and removed the overhead line along the levee.
- RETEC received one comment from Ecology's TCP via email on June 19 on the draft Water Quality Monitoring Plan (required by Exhibit H.1 Water Quality Certification of the Agreed Order). However, we were informed that Ecology's Water Quality division has additional comments. This plan will be revised and included in the same binder as the SWPPP and other documents required by the NPDES permit, but will remain as a stand alone document.
- Wilder installed frac tanks, carbon vessels and plumbing for the water treatment facility.
- Pumps, skimmers and tanks were removed from the recovery wells. Seven (7) recovery and 16 monitoring wells located within the levee cleanup project area were abandoned.
- Negotiations with the Town were initiated to use the burn dump for storage of clean overburden that will be used as fill.
- RETEC continued discussions with Ecology re: WIFI internet access to their office at the Community Center. Ecology indicated they will use Verizon wireless cell phone cards.
- RETEC prepared and submitted an HPA addendum request to allow Wilder to withdraw water from the river for testing of the water treatment system. Based on discussions with

Ecology, RETEC will also submit a Water Rights permit application to Ecology's Water Resources group to obtain emergency approval to withdraw water from the river. Ecology's Water Quality group also requires a letter to allow discharge of the water since it is not a water source included in the NPDES permit.

- Overburden soil samples collected from the levee were reanalyzed using NWTPHDx without silica gel. The analytical results were submitted to Ecology, however Ecology will not accept the results as "stockpile" samples in accordance with the Engineering Design Report (EDR; May 2006). Therefore, relatively clean overburden soils from the levee will be moved to the railyard stockpile area for characterization in accordance with the EDR (EDR; May 2006) and Sampling and Analysis Plan (SAP; Appendix G of the EDR).
- Wilder hosted a BBQ for the community at the Skykomish ball field, Thursday, June 22 from 5:30 – 7:00 pm.
- The King County sewer review committee held a public hearing on site Thursday, June 22 at 12:45 pm re: permit requests for replacement septic systems at the Mackner, Mitchell and Moore houses.
- Revisions to the O&M Manual are in progress.
- A conference call has been scheduled for 10:00 am Monday, June 26 between Ecology's TCP and WQ representatives, RETEC and Wilder to discuss compliance with the NPDES permit and Exhibit H.1 Water Quality Requirements of the Agreed Order.
- Field activities scheduled for the week of June 26 include:
 - ▶ Complete permitting needed to withdraw and discharge river water; leak test and calibrate water treatment system
 - ▶ Excavation of levee above the ordinary high water mark (OHWM)
 - ▶ Construct containment system for stockpile area using ecology blocks; install sumps
 - ▶ Deliver lime silo and lime for soil stabilization in the stockpile area
 - ▶ Prepare personnel and equipment decontamination stations
 - ▶ Asbestos abatement at Moore house and Teacherage by RMCAT
 - ▶ Air monitoring.

Ms. Bardy
June 23, 2006
Page 4

Deviations

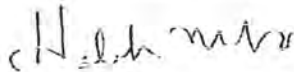
Moving of houses is behind schedule. The Mackner and Mitchell houses are scheduled for moving on July 11. The Teacherage and Moore house are expected to be moved by July 18. Project plans are being modified such that characterization of relatively clean overburden will take place on the railyard rather than at the excavation site where houses are currently located; soils that satisfy the clean up level will be moved to an off-site storage area (i.e., burn dump) pending use as backfill. Also, Wilder's Technical Execution Plan will describe other methods to allow in-river work to progress on an accelerated schedule by use of intermediate cofferdams.

Schedule

At this time, no deviations are anticipated from the schedule in Exhibit E of the Agreed Order.

Sincerely,

The RETEC Group, Inc.



Halah M. Voges, P.E.
Senior Program Manager

cc: Angie Thomson – Enviroissues
Bruce Sheppard – BNSF
Chris Yates, Clint Stanovsky – Town of Skykomish
Craig Trueblood – PG&E
Daryl Petrarca – AdaPT
David Carson – Bell & Ingram, P.S.
Desiree Gould – Skykomish School Superintendent
Gary West – Skykomish Resident
John Robinson – US Forest Service
Lorna Goebel, Michael Moore – Skykomish Environmental Coalition
Mike Byers, Sarah Albano, Steve Howard, Joyce Sheldon, Denell Warren, File BN050-19390



June 30, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending June 30, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending June 30, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed description of any deviations from the Order and project plans and
- Description of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule.

Activities

- Boom maintenance continued 5 days per week.
- Asbestos abatement of the Teacherage and Moore house was performed by RMCAT. House moving preparation is in progress.
- Internal review of the annual groundwater monitoring report is in process.
- Ecology blocks were placed around stockpile areas for containment. A lime silo and lime were delivered to the site for soil stabilization prior to shipping off site.
- Daily particulate monitoring was performed by RETEC, and Argus Pacific conducted twice weekly air monitoring for arsenic and lead, and weekly air monitoring for petroleum distillates, diesel exhaust and PAHs in accordance with the final Air and Noise Monitoring Plan. We are awaiting receipt of two continuous noise monitoring instruments.
- RETEC submitted a response to Ecology comments on the SWPPP as well as a revised SWPPP together with an NPDES Discharge Monitoring Plan and Release Control Plan in the same binder.

- RETEC submitted Wilder's draft Technical Execution Plan to Ecology concurrent with our review.
- Completed excavation of levee material above the elevation of W. River Road. Material was stockpiled on the railyard and sampled as a stockpile per the Sampling Analysis Plan in the Engineering Design Report (RETEC, May 2006).
- Additional comments were received from Ecology's Water Quality Division on the draft Water Quality Monitoring Plan (required by Exhibit H.1 of the Agreed Order). Preparation of a response to comments and document revision is in progress.
- Electrical connections for the water treatment system were installed and carbon vessels were filled with carbon.
- Wilder and the Town are reaching an agreement for use of the burn dump for storage of clean overburden that will be used as fill. Additional storage area was procured from BNSF Operations near the "Y" on the railyard and will be used to store clean riprap for reuse.
- Exclusion zone and perimeter fencing installation is 95% complete. Silt fencing was installed in accordance with SWPPP and contractor plans and specifications.
- HPA and COE permits were received.
- RETEC provided to Ecology analytical results for fill material proposed for use as riverbed backfill. Both Ecology and the Department of Fish and Wildlife approved the material for use.
- RETEC set up a website on which laboratory data can be posted for Ecology review.
- Revisions to the O&M Manual are in progress. Wilder is assembling a sequence of operations based on mapping of the system in the field.
- A conference call was held 10:00 am Monday, June 26 between Ecology's TCP and WQ representatives, RETEC and Wilder to discuss compliance with the NPDES permit and Exhibit H.1 Water Quality Requirements of the Agreed Order. The weekly conference call between BNSF, Ecology, EnviroIssues and RETEC has been cancelled for the near future and has been replaced with Wilder's weekly construction meetings on site, 10 am on Tuesdays.
- We received an HPA addendum to allow withdrawal of water from the river for leak testing of the water treatment system. We also submitted a Water Rights permit application to Ecology's Water Resources group and received that emergency approval.
- We received Ecology's comments on the Release Control Plan.
- Scheduling of an archaeological monitor to be on site during levee excavation per the COE permit is in progress.

- Field activities scheduled for the week of July 3 include:
 - ▶ Air monitoring
 - ▶ Begin in-river work Wednesday July 5 with installation of silt curtain and deflectors
 - ▶ Emergency response drill with Wave Trek and Ecology Thursday, July 6
 - ▶ The Mackner and Mitchell rental houses will be moved onto 6th Street to provide more room to begin in-river work

Deviations

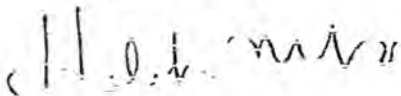
As described last week, moving of houses is behind schedule. The Mackner and Mitchell houses are scheduled for moving on July 11. The Teacherage and Moore house are expected to be moved by July 18. Project plans are being modified such that characterization of relatively clean overburden will take place on the railyard rather than at the excavation site where houses are currently located; soils that satisfy the clean up level will be moved to an off-site storage area (i.e., burn dump) pending use as backfill. Also, Wilder's Technical Execution Plan will describe other methods to allow in-river work to progress on an accelerated schedule by use of intermediate cofferdams.

Schedule

At this time, no deviations are anticipated from the schedule in Exhibit E of the Agreed Order.

Sincerely,

The RETEC Group, Inc.



Halah M. Voges, P.E.
Senior Program Manager

cc: Angie Thomson – Enviroissues
Bruce Sheppard – BNSF
Chris Yates, Clint Stanovsky – Town of Skykomish
Craig Trueblood – PG&E
Daryl Petrarca – AdaPT
David Carson – Bell & Ingram, P.S.
Desiree Gould – Skykomish School Superintendent
Gary West – Skykomish Resident
John Robinson – US Forest Service
Lorna Goebel, Michael Moore – Skykomish Environmental Coalition
Mike Byers, Sarah Albano, Steve Howard, Joyce Sheldon, Denell Warren, File BN050-19390 – RETEC



July 7, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending July 7, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending July 7, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed description of any deviations from the Order and project plans and
- Description of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule

Activities

- Boom maintenance by Pacific Industrial Resources, Inc. was discontinued in anticipation of in-river construction activities. Booms were deployed and maintained by Wilder Environmental.
- House moving preparation is in progress.
- Internal review of the annual groundwater monitoring report is in process.
- Daily particulate monitoring was performed by RETEC, and Argus Pacific conducted twice weekly air monitoring for arsenic and lead, and weekly air monitoring for petroleum distillates, diesel exhaust and PAHs in accordance with the final Air and Noise Monitoring Plan. We are still awaiting delivery of two continuous noise monitoring instruments.
- Conducted excavation of levee material above ordinary high water mark (OHWM). Material was stockpiled on the railyard and sampled as a stockpile per the Sampling Analysis Plan in the Engineering Design Report (RETEC, May 2006). Subsequently, the

material was screened: clean overburden material was staged at the 'burn dump', and the remainder was stockpiled on the railyard.

- The Water Quality Monitoring Plan was revised in response to Ecology comments; the revised Monitoring Plan was sent to Ecology on July 6, 2006.
- Exclusion zone and perimeter fencing installation is complete. Silt fencing was installed in accordance with SWPPP and contractor plans and specifications.
- RETEC posted stockpile soil data on the Quickplace website that RETEC has set-up to facilitate data sharing.
- Revisions to the O&M Manual are in progress. Wilder is assembling a sequence of operations based on mapping of the system in the field.
- An emergency response drill was performed on July 6, 2006, during which a line of booms were deployed across the Skykomish River; Ecology was present at the drill.
- Ecology visited Skykomish on July 5, 2006, to inspect the water treatment system.
- Revisions to the Release Control Plan and Chapter 11 of the Stormwater Pollution Prevention Plan (SWPPP) are in preparation in response to Ecology comments.
- An archaeological monitor was onsite for a portion of the levee excavation and will be onsite during the initial upland excavation that will commence on July 11, 2006.
- In-river work began on July 5, with the installation of deflectors and a silt curtain. Also, Wilder started to fill the coffer dam FIBCs. A fish biologist was onsite during all in-river work.
- Surface water quality sampling commenced in accordance with the Water Quality Monitoring Plan.
- RETEC received, and forwarded to Ecology, a proposal from Wilder to replace the previously planned sheet pile wall with concrete block shoring. We are currently evaluating the design and suitability of this proposal.
- Activities scheduled for the week of July 10 include:
 - Air and noise monitoring.
 - Archaeological/Cultural Resources monitoring.

Ms. Bardy
July 7, 2006
Page 3

- Mobile laboratory will be mobilized to the site, and will commence operations on July 17.
- Commence coffer dam emplacement.
- Meeting in Skykomish with Ecology on July 11, to discuss the concrete block shoring wall proposal and the Technical Execution Plan.
- The Mackner House and Mitchell rental houses will be moved to the staging area outside the excavation zone on July 11, 2006.
- Upland excavation will commence as soon as the houses have been moved.
- Submit NPDES Permit Discharge Monitoring Report (DMR).
- Complete revisions to SWPPP and Release Control Plan.

Deviations

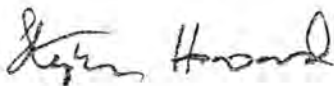
As described in previous weeks, moving of houses is behind schedule. The Teacherage and Moore house are expected to be moved by July 18. Project plans are being modified such that characterization of relatively clean overburden will take place on the railyard rather than at the excavation site where houses are currently located; soils that satisfy the clean up level will be moved to an off-site storage area (i.e., burn dump) pending use as backfill. Also, Wilder's Technical Execution Plan will describe other methods to allow in-river work to progress on an accelerated schedule by use of intermediate cofferdams.

Schedule

At this time, no deviations are anticipated from the schedule in Exhibit E of the Agreed Order.

Sincerely,

The RETEC Group, Inc.



Stephen Howard
Senior Hydrogeologist

cc: Angie Thomson, Penny Mabie - Enviroissues
Bruce Sheppard - BNSF
Chris Yates, Clint Stanovsky - Town of Skykomish

Ms. Bardy
July 7, 2006
Page 4

Craig Trueblood – PG&E
Daryl Petrarca - AdaPT
David Carson – Bell & Ingram, P.S.
Desiree Gould – Skykomish School Superintendent
Gary West – Skykomish Resident
John Robinson – US Forest Service
Lorna Goebel, Michael Moore – Skykomish Environmental Coalition
Mike Byers, Sarah Albano, Steve Howard, Joyce Sheldon, Denell Warren, File BN050-19390



July 17, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending July 14, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending July 14, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed description of any deviations from the Order and project plans and
- Description of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule

Activities

- House Moving:
 - The Mackner and Mitchell houses were moved on July 11.
 - The Teacherage and Moore house are being prepared for moving, previously scheduled for July 19. During preparations a large amount of dry rot was found in the teacherage, and additional work may be required to prepare the house for moving above that work originally scoped: this may result in a delay in the moving schedule.
- Cofferdam installation
 - In-river work continued with the ongoing construction of the coffer dams. A fish biologist was onsite during all in-river work.
- Excavation, Soil Handling and Testing:
 - Commenced overburden excavation in upland areas following house moving.

- Clear Creek removed a diesel tank by the Teacherage. The tank was emptied and cleaned and a closure report will be prepared.
 - Conducted excavation of levee material above ordinary high water mark (OHWM). Material was stockpiled on the railyard and sampled as a stockpile per the Sampling Analysis Plan in the Engineering Design Report (RETEC, May 2006). Subsequently, the material was screened: clean overburden material was staged at the 'burn dump', and the remainder was stockpiled on the railyard. Absorbent booms were placed around areas that were releasing sheen during excavation.
 - RETEC posted stockpile soil data on the Quickplace website.
- Monitoring
 - Daily particulate monitoring was performed by RETEC, and Argus Pacific conducted twice weekly air monitoring for arsenic and lead, and weekly air monitoring for petroleum distillates, diesel exhaust and PAHs in accordance with the final Air and Noise Monitoring Plan.
 - An archaeological monitor was onsite for a portion of the levee excavation for the overburden excavation of upland areas.
 - Surface water quality sampling continued in accordance with the Water Quality Monitoring Plan.
- Document Preparation and Reporting:
 - Completed and submitted water treatment plant O&M Manual to Ecology on July 13.
 - Submitted the Discharge Monitoring Report (DMR) to Ecology on July 13 with Bruce Sheppard's signature.
 - Revisions to the Release Control Plan and Chapter 11 of the Stormwater Pollution Prevention Plan (SWPPP) are in preparation in response to Ecology comments.
 - Internal review of the annual groundwater monitoring report is in process.
 - Continued preparation of Technical Execution Plan.
- Dewatering and Water Treatment: Wilder conducted final adjustments to water treatment system.
- Meetings and Conference Calls

- RETEC met with Wilder and Ecology on July 11 to discuss Wilder's proposal to replace the sheet pile wall on the upgradient side of the excavation with concrete block shoring. RETEC and Wilder are currently preparing the wall design and evaluating the ability of the wall to meet the design criteria (control of recontamination and structural stability). RETEC sent a memo to Ecology on July 14 that outlined the alternate shoring design concepts and schedule for design completion.
- RETEC, Wilder and Ecology participated in a conference call on July 14 to discuss the Technical Execution Plan

Activities scheduled for the week of July 17 include:

- Closure of easternmost excavation cell in river
 - Completion of installation of coffer dam far enough downriver and installation of Aquabarrier
 - Fish sein netting from the excavation area (expected July 18)
 - Dewatering and excavation
 - Start of water treatment and discharge
- Mobile laboratory will commence operations – continue to test and screen material excavated from above the VDL.
- The Moore House and Teacherage will be moved to the staging area outside the excavation zone
- Continue upland excavation where possible.
- Start transporting material by rail to Rabanco.
- Meeting in Skykomish with Wilder and Ecology to discuss the potential installation of recovery trench, shoring design, remediation issues around the school, and general project issues – currently proposed (not confirmed) for July 21.
- Complete revisions to SWPPP and Release Control Plan.
- Complete revisions, where appropriate, to the TEP and submit to Ecology (though some issues will still need to be resolved and placeholders will be left).

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- Complete
- Submit a CD-ROM with an electronic copy of the Water Treatment O&M Manual to Ecology.
- Routine Monitoring
 - Air and noise.
 - Surface water quality.
 - Archaeological/Cultural Resources.
 - In-water protection of fish.

Deviations

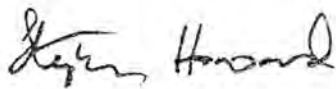
As described in previous weeks, moving of houses is behind schedule. The Teacherage and Moore house movement has been further delayed due to the presence of extensive dry rot in the Teacherage that requires additional protective measures to be in place before the house can be moved.

Schedule

At this time, no deviations are anticipated from the schedule in Exhibit E of the Agreed Order.

Sincerely,

The RETEC Group, Inc.



Stephen Howard
Senior Hydrogeologist

cc: Angie Thomson, Penny Mabie - Enviroissues
Bruce Sheppard - BNSF
Chris Yates, Clint Stanovsky – Town of Skykomish
Craig Trueblood – PG&E
Daryl Petrarca - AdaPT
David Carson – Bell & Ingram, P.S.

Ms. Bardy
July 17, 2006
Page 5

Desiree Gould – Skykomish School Superintendent
Gary West – Skykomish Resident
John Robinson – US Forest Service
Lorna Goebel, Michael Moore – Skykomish Environmental Coalition
Mike Byers, Sarah Albano, Steve Howard, Joyce Sheldon, Denell Warren, File BN050-19390



July 24, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending July 21, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending July 21, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed description of any deviations from the Order and project plans and
- Description of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule

Activities

- House Moving:
 - Moving of the Teacherage and Moore house has been delayed due to the large amount of dry rot found in the Teacherage. Cribbing was installed to support the upper level of the Teacherage, and both houses were raised in preparation for moving. Moving is scheduled for July 25.
- Cofferd dam installation/fish removal
 - In-river work continued with the ongoing construction of the coffer dams. The eastern and central cells were closed off with installation of the intermediate cofferdams. Bill Mavros of Washington Department of Fish and Wildlife (DFW) visited the site on Thursday, July 20. He agreed that the fish biologist from Grette Associates is not required to be on site conducting oversight during cofferdam installation, however he needs to be present when the cofferdam is connected to the shore. Seining of fish from the easternmost cell was performed on July 18; however, Bill Mavros determined that seining was not sufficient to remove fish from inside the cofferdam, and also required electroshocking of the eastern cell.

Because water from the eastern cell was already being pumped out, he agreed that electroshocking could be performed while pumping. Mr. Mavros also agreed that electroshocking is not necessary for the central and western cells. Seining of the central cell is scheduled for July 24. The fish counts from the eastern cell are:

July 18	(6 seine passes) 89 coho salmon 7 chinook salmon 1 sculpin
July 20	8:15 pm (electroshocker) 22 coho salmon (2 dead) 13 sculpin 1 sucker
July 21	5:30 am (electroshocker) 53 coho salmon (4 dead) 1 chinook salmon

Fish kills were reported to Ecology and DFW.

- Excavation, Soil Handling and Testing:
 - Initiated in-river excavation in eastern cell.
 - Four sets of rail cars (24 boxes) have been loaded with levee overburden materials for transport to Rabanco.
 - Test America mobilized the on-site lab.
 - RETEC posted stockpile soil data on the Quickplace website.
- Monitoring
 - Daily particulate monitoring was performed by RETEC, and Argus Pacific conducted twice weekly air monitoring for arsenic and lead, and weekly air monitoring for petroleum distillates, diesel exhaust and PAHs in accordance with the final Air and Noise Monitoring Plan.
 - An archaeological monitor was scheduled to be on site during levee excavation and pending upland excavation.
 - Surface water quality sampling continued in accordance with the Water Quality Monitoring Plan. Three turbidity measurement thus far have exceeded the

turbidity criterion; results are being reported daily to Ecology in accordance with the Agreed Order and Water Quality Monitoring Plan. Each exceedence was an isolated event the day it occurred and corrective measures were taken to prevent continued exceedences.

- ND PES discharge monitoring was initiated.
- Document Preparation and Reporting:
 - The Final Draft Technical Execution Plan prepared by Wilder Construction was submitted to Ecology.
 - Revisions to the Release Control Plan and Chapter 11 of the Stormwater Pollution Prevention Plan (SWPPP) are in preparation in response to Ecology comments.
 - Internal review of the annual groundwater monitoring report is in process.
 - Preparation of shoring and recovery trench design is in process.
 - Preparation of a work plan to pre-characterize uplands overburden soils (above the vertical delineation limit or VDL) is in process.
 - Received email from Charlie Sundberg with King County and letter from Washington DAHP re: Effects & Mitigation Technical Memorandum for historical resources.
- Dewatering and Water Treatment: The carbon units were replumbed to achieve total system flow rates near 1,000 gpm. Wilder completed installation of the treatment system outfall. Noise-reducing cabinets were installed to enclose components of the water treatment system. Discharge from the water treatment system was initiated.
- Meetings and Conference Calls
 - Weekly construction meeting in Skykomish, 10 am Tuesday, July 18
 - On-site meeting with Bill Mavros, DFW, Thursday, July 27 at 4 pm
 - RETEC, Wilder and Ecology participated in a meeting Friday, July 21 at 10 am at the Community Center to discuss schedule concerns and ideas for recovering lost time, as well as RETEC's proposed recovery trench downgradient of the school. Ecology is evaluating use of an in situ thermal technology for use beneath the school, and a recovery trench may be compatible with that. Further discussions between RETEC and CDM will take place to follow up. RETEC agreed to prepare a work plan for pre-characterizing upland vadose zone soils prior to excavation to minimize material handling as one way to recover lost time in the

schedule. Other ideas for recovering lost time included postponing road completion and levee enhancements until Spring.

Activities scheduled for the week of July 17 include:

- Dewatering and excavation in eastern cell.
- Remove fish from central cell using seine netting on July 24. Bill Mavros with DFW will be on site.
- Continue water treatment and discharge.
- Continue to test and screen material excavated from above the VDL using mobile lab.
- The Moore House and Teacherage will be moved to the staging area outside the excavation zone.
- Continue upland excavation where possible.
- Meeting in Skykomish with Bill Mavros (DFW) and Tom Bean (King County) Wednesday, July 26 to discuss scour zone rip-rap thickness requirements.
- Complete revisions to SWPPP and Release Control Plan.
- Submit a CD-ROM with an electronic copy of the Water Treatment O&M Manual to Ecology.
- Routine Monitoring
 - Air and noise.
 - Surface water quality.
 - Archaeological/Cultural Resources.
 - In-water protection of fish.
 - NPDES discharge.

Deviations

As described in previous weeks, moving of houses is behind schedule. The Teacherage and Moore house movement is now scheduled for July 25.

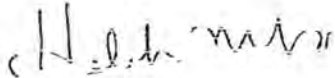
Ms. Bardy
July 24, 2006
Page 5

Schedule

RETEC is in the process of preparing a plan to pre-characterize upland overburden soils to minimize material handling steps and recover time in the schedule. Other measures for recovering time in the schedule may be considered once the production rate of the in-river excavation has been determined. At this time, no deviations are anticipated from the schedule in Exhibit E of the Agreed Order.

Sincerely,

The RETEC Group, Inc.



Halal M. Voges, P.E.
Senior Program Manager

cc: Susan Lee - Ecology
Angie Thomson, Penny Mabie - Enviroissues
Bruce Sheppard - BNSF
Chris Yates, Clint Stanovsky - Town of Skykomish
Craig Trueblood - PG&E
Daryl Petrarca - AdaPT
David Carson - Bell & Ingram, P.S.
Desiree Gould - Skykomish School Superintendent
Gary West - Skykomish Resident
John Robinson - US Forest Service
Lorna Goebel, Michael Moore - Skykomish Environmental Coalition
Mike Byers, Sarah Albano, Steve Howard, Joyce Sheldon, Denell Warren, File BN050-19390



July 31, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending July 28, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending July 28, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed description of any deviations from the Order and project plans and
- Description of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule

Activities

- House Moving:
 - The Teacherage and Moore house were moved on Tuesday, July 25; the shed from the school property was moved on Wednesday, July 26. D.B. Davis demobilized from the site and Wilder initiated uplands work with demolition of house foundations. An archaeological monitor was present during this work and did not recover any artifacts. The monitor will return for the uplands excavation work.

- Cofferd dam installation/fish removal

Construction of the coffer dams was completed. Bill Mavros of Washington Department of Fish and Wildlife (DFW) visited the site on Wednesday, July 26. One topic of discussion was the need for a fish biologist to be on site during completion of cofferdam construction and fish removal. Based on refinements made to the cofferdam construction process, it was agreed that a fisheries biologist was not necessary. RETEC personnel removed fish from the westernmost cell on Friday using an electroshocker.

- Excavation, Soil Handling and Testing:
 - Continued in-river excavation in eastern cell and collection of confirmation samples.
 - Screening of overburden materials continues. Levee overburden material continues to be transported off-site to Rabanco via rail, with daily change out of trains.
 - Test America initiated on-site analysis of soil confirmation samples.
 - RETEC posted stockpile soil data on the Quickplace website.
- Monitoring
 - Daily particulate monitoring was performed by RETEC, and Argus Pacific conducted twice weekly air monitoring for arsenic and lead, and weekly air monitoring for petroleum distillates, diesel exhaust and PAHs in accordance with the final Air and Noise Monitoring Plan.
 - An archaeological monitor was on site during demolition of house foundations.
 - Surface water quality sampling continued in accordance with the Water Quality Monitoring Plan. Turbidity measurements met the criteria established in the AO. A sheen was detected between the two cofferdams; oil absorbent pads were used to control the sheen.
 - NDPES discharge monitoring continued.
- Document Preparation and Reporting:
 - Revision of the Release Control Plan was completed and the document was submitted to Ecology.
 - An electronic copy of the O&M Manual was submitted to Ecology at your request.
 - Revisions to Chapter 11 of the Stormwater Pollution Prevention Plan (SWPPP) are in preparation in response to Ecology comments.
 - Internal review of the annual groundwater monitoring report is in process.
 - Preparation of shoring and recovery trench design is in process.

- Preparation of a work plan to pre-characterize uplands overburden soils (above the vertical delineation limit or VDL) is in process.
 - Received email from Charlie Sundberg with King County and letter from Washington DAHP re: Effects & Mitigation Technical Memorandum for historical resources.
- Dewatering and Water Treatment: An inward gradient was achieved by pumping of water from the easternmost cell. The water treatment system operated with a flow rate of approximately 650 gpm. We are evaluating methods for increasing the residence time for oil/water separation.
- Restoration: Large woody debris was delivered to the site
- Meetings and Conference Calls
 - Weekly construction meeting in Skykomish, 10 am Tuesday, July 25
 - On-site meeting with Bill Mavros, DFW, and Tom Bean, King County, Wednesday, July 26 re: scour zone material.
 - Meeting Thursday, July 27 between Ecology, BNSF/RETEC, Town, Town's sewer system consultant and BNSF's septic system designer to discuss compatibility of replacement septic systems with Town's community sewer system.

Activities scheduled for the week of July 17 include:

- Dewatering and completion of excavation in eastern cell; backfill eastern cell.
- Continue water treatment and discharge.
- Continue to test and screen material excavated from above the VDL using mobile lab.
- Continue upland excavation where possible.
- Complete revisions to SWPPP.
- Routine Monitoring
 - Air and noise.
 - Surface water quality.
 - Archaeological/Cultural Resources.

Ms. Bardy
July 31, 2006
Page 4

- In-water protection of fish.
- NPDES discharge.

Deviations

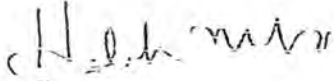
There are no deviations from the Order and project plans to report.

Schedule

RETEC is in the process of preparing a plan to pre-characterize upland overburden soils to minimize material handling steps and recover time in the schedule. Other measures for recovering time in the schedule may be considered once the production rate of the in-river excavation has been determined. At this time, no deviations are anticipated from the schedule in Exhibit E of the Agreed Order.

Sincerely,

The RETEC Group, Inc.



Halah M. Voges, P.E.
Senior Program Manager

cc: Susan Lee - Ecology
Angie Thomson, Penny Mabie, Hillary Johnson - Enviroissues
Bruce Sheppard - BNSF
Chris Yates, Clint Stanovsky – Town of Skykomish
Craig Trueblood – PG&E
Daryl Petrarca - AdaPT
David Carson – Bell & Ingram, P.S.
Desiree Gould – Skykomish School Superintendent
Gary West – Skykomish Resident
John Robinson – US Forest Service
Lorna Goebel, Michael Moore – Skykomish Environmental Coalition
Mike Byers, Sarah Albano, Steve Howard, Joyce Sheldon, Denell Warren, File BN050-19390



August 28, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending August 25, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending August 25, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed description of any deviations from the Order and project plans and
- Description of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule

Activities

- Excavation/Backfilling, Soil Handling and Testing, Bird Control Measures and Oil Recovery:
 - In-river excavation was completed. An HDPE liner was placed on the eastern edge of cell 1 adjacent to the outer cofferdam prior to backfilling to contain any remaining impacts in that area.
 - Backfilling activities continued in all 3 cells as water quality issues allowed.
 - The asphalt from W. River Road was removed and uplands excavation at the west end of the project area near the school was initiated. RETEC reviewed emergency exit/path procedures for the school with Wilder personnel.
 - NRC recovered oil from the excavation surface in all 3 cells daily.
 - The light plant was operated from dusk to dawn.

- Screening of excavated materials continued. Excavated material and fines coming off of the screening operation continue to be transported off-site to Rabanco via rail. Trains were not changed out 3 days last week due to the derailment at the Rabanco facility. Trucks were mobilized out of Everett to supplement the train shipments of material off-site.
- Unstable/oily material near the ground surface on the railyard in the railcar loading area was excavated to a depth of approximately 3 feet below ground surface to stabilize the area to facilitate loading of rail cars. A geotextile fabric was placed at the bottom of the shallow excavation to separate clean gravel/stabilization backfill from the underlying soils. Excavated materials were stockpiled separately and will be profiled for off-site disposal.
- Test America continued on-site analysis of sediment/soil confirmation samples.
- RETEC posted soil/sediment sample results on the Quickplace website.
- Rock crushing operations were conducted at the Town's burn dump site.
- Monitoring
 - Daily particulate monitoring was performed by RETEC, and Argus Pacific conducted twice weekly air monitoring for arsenic and lead, and weekly air monitoring for petroleum distillates, diesel exhaust and PAHs in accordance with the final Air and Noise Monitoring Plan. Air monitoring reports for weeks 5 and 6 of construction were submitted to Ecology.
 - Surface water quality sampling continued in accordance with the Water Quality Monitoring Plan. Water quality exceedances for turbidity at the compliance point were reported to Ecology on August 19, 21, 22, 23 and 24. Work was shut down almost daily and turbidity control measures including backfilling with river rock and stabilization material were implemented. BNSF submitted a letter on August 23 notifying Ecology that it must cease its work due to the potential endangerment to human health or the environment. On August 25, BNSF submitted a second letter to Ecology requesting a written response or satisfactory resolution to their August 23 endangerment notification.
 - NDPES discharge monitoring continued.
 - Survey control points were installed and surveyed on the school's foundation on Monday, August 21.
 - Inspection and documentation of conditions of the school by a structural engineer and videographer were performed Wednesday, August 23.

- Document Preparation and Reporting:
 - BNSF submitted endangerment notifications to Ecology on August 23 and 25.
 - Internal review of the annual groundwater monitoring report is in process.
 - A shoring/recovery trench technical memorandum was submitted to Ecology on August 21. Wilder has initiated uplands excavation, and will begin to construct the shoring wall by the end of the week of August 28.
- Dewatering and Water Treatment: Operation of the water treatment system continued.
- Restoration: EnviroIssues and RETEC met with the relocated residents to discuss landscaping restoration on Wednesday, August 23.
- Meetings and Conference Calls
 - Weekly construction meeting in Skykomish between Wilder and RETEC, 10 am Tuesday, August 22
 - Weekly meeting in Skykomish with Ecology and RETEC, 11 am Tuesday, August 22

Activities scheduled for the week of August 28 include:

- Finish backfilling all 3 cells; initiate removal of cofferdam and liner material that was trenched in for turbidity control (as water quality measurements allow)
- Meeting with the school board on Wednesday, August 30 to discuss bus traffic, teacher parking and the schedule for excavation and backfilling work adjacent to/near the school
- Continue water treatment and discharge
- Continue to test and screen excavated material excavated using mobile lab.
- Continue upland excavation.
- Recover oil as needed
- Operate light plant from dusk until dawn
- Routine Monitoring
 - Air and noise.

Ms. Bardy
August 28, 2006
Page 4

- Surface water quality.
- Archaeological/Cultural Resources.
- In-water protection of fish.
- NPDES discharge.

Deviations

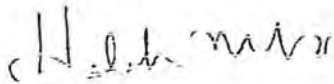
There are no deviations from the Order and project plans to report.

Schedule

At this time, no deviations are anticipated from the schedule in Exhibit E of the Agreed Order.

Sincerely,

The RETEC Group, Inc.



Halah M. Voges, P.E.
Senior Program Manager

cc: Susan Lee - Ecology
Angie Thomson, Penny Mabie, Hillary Johnson - Enviroissues
Bill Mavros – Washington Department of Fish and Wildlife
Bruce Sheppard - BNSF
Chris Yates, Clint Stanovsky – Town of Skykomish
Craig Trueblood – PG&E
Daryl Petrarca - AdaPT
David Carson – Bell & Ingram, P.S.
Desiree Gould – Skykomish School Superintendent
Gary West – Skykomish Resident
John Robinson – US Forest Service
Lorna Goebel, Michael Moore – Skykomish Environmental Coalition
Tom Bean – King County
Mike Byers, Sarah Albano, Steve Howard, Dan Berlin, Joyce Sheldon, Denell Warren,
File BN050-19390 - RETEC



September 5, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending September 1, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending September 1, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed description of any deviations from the Order and project plans and
- Description of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule

Activities

- Excavation/Backfilling, Soil Handling and Testing, Bird Control Measures and Oil Recovery:
 - Excavation, soil confirmation sampling and backfilling activities were performed in cell 4, the upland area immediately south of cell 3.
 - Backfilling activities continued in cells 1-3 as water quality issues allowed. Cell 1 is 95% complete, cell 2 85% complete and cell 3 is 60% complete.
 - NRC recovered oil from the excavation surface in all 3 cells daily.
 - The light plant was operated from dusk to dawn. Bird deterrent mylar was relocated to upland excavation area as upper levels of the cofferdams have been dismantled.
 - Screening of excavated materials continued. Excavated material and fines coming off of the screening operation continue to be transported off-site to Rabanco via rail and truck.

- Test America continued on-site analysis of sediment/soil confirmation samples.
- RETEC posted soil/sediment sample results on the Quickplace website.
- Rock crushing operations were completed at the Town's burn dump site and the crusher was demobilized.
- Monitoring
 - Daily particulate monitoring was performed by RETEC, and Argus Pacific conducted twice weekly air monitoring for arsenic and lead, and weekly air monitoring for petroleum distillates, diesel exhaust and PAHs in accordance with the final Air and Noise Monitoring Plan. The air monitoring report for week 7 was submitted to Ecology.
 - Surface water quality sampling continued in accordance with the Water Quality Monitoring Plan. BNSF received a temporary modification of water quality standards from Ecology on August 29. Water quality exceedances for turbidity at the compliance point were reported to Ecology on August 30, 31 and September 1. A slight oil sheen was visible outside the cofferdam, but inside the booms, on September 1. Work was shut down to control turbidity and we have continued discussing with Wilder practical modifications to activities to lower turbidity, including ensuring that the blue aquabarrier was full. We have been notifying Wilder verbally of the turbidity conditions downstream throughout the day as we collect the samples.
 - NDPES discharge monitoring continued.
- Document Preparation and Reporting:
 - BNSF received a temporary modification of water quality standards from Ecology on August 29.
 - BNSF received an extension of their HPA until September 8. We are pursuing an extension until September 15.
 - Internal review of the annual groundwater monitoring report is in process.
 - Ecology provided comments on the shoring design memorandum on August 30. Revisions to the memo are in progress to address Ecology comments.
- Dewatering and Water Treatment: Operation of the water treatment system continued. Equipment to adjust pH was added to the system.

- Meetings and Conference Calls
 - Weekly construction meeting in Skykomish between Wilder and RETEC, 10 am Tuesday, August 29
 - Weekly meeting in Skykomish with Ecology and RETEC, 11 am Tuesday, August 29
 - School board meeting to discuss bus traffic, teacher parking and the schedule for excavation and backfilling work adjacent to/near the school, 5:00 pm, Wednesday, August 30

Activities scheduled for the week of September 5 include:

- Finish backfilling all 3 cells; initiate removal of cofferdam and liner material that was trenched in for turbidity control (as water quality measurements allow)
- Continue water treatment and discharge
- Continue to test and screen excavated material excavated using mobile lab.
- Continue upland excavation.
- Recover oil as needed
- Operate light plant from dusk until dawn
- Routine Monitoring
 - Air and noise. Move air & noise monitoring equipment from bridge to school
 - Surface water quality.
 - Archaeological/Cultural Resources.
 - In-water protection of fish.
 - NPDES discharge.

Deviations

There are no deviations from the Order and project plans to report.

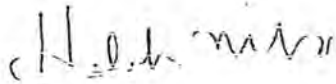
Schedule

At this time, no deviations are anticipated from the schedule in Exhibit E of the Agreed Order.

Ms. Bardy
September 5, 2006
Page 4

Sincerely,

The RETEC Group, Inc.



Halal M. Voges, P.E.
Senior Program Manager

cc: Susan Lee - Ecology
Angie Thomson, Penny Mabie, Hillary Johnson – Enviroissues
Bill Mavros – Washington Department of Fish and Wildlife
Bruce Sheppard – BNSF
Chris Yates, Clint Stanovsky – Town of Skykomish
Craig Trueblood – PG&E
Daryl Petrarca – AdaPT
David Carson – Bell & Ingram, P.S.
Desiree Gould – Skykomish School Superintendent
Gary West – Skykomish Resident
John Robinson – US Forest Service
Lorna Goebel, Michael Moore – Skykomish Environmental Coalition
Tom Bean – King County
Mike Byers, Sarah Albano, Steve Howard, Dan Berlin, Joyce Sheldon, Denell Warren,
File BN050-19390 – RETEC



September 18, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending September 15, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending September 15, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed description of any deviations from the Order and project plans and
- Description of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule

Activities

- Excavation/Backfilling, Soil Handling and Testing, Bird Control Measures and Oil Recovery:
 - Backfilling activities continued in cell 4, the upland area immediately south of cell 3. Excavation work shifted to upland area immediately south of cell 1 adjacent to the bridge.
 - Cofferdam removal was completed, and liner material that was trenched in river was removed. Additional boulders were placed in cell 1 at the request of DFW to make the shoreline appear more natural. All in-river work was completed.
 - NRC recovered oil as necessary.
 - The light plant was operated from dusk to dawn. Bird deterrent mylar remains in place.

- Screening of excavated materials continued. Excavated material and fines coming off of the screening operation continue to be transported off-site to Rabanco via rail.
- Test America continued on-site analysis of sediment/soil confirmation samples.
- RETEC posted soil sample results on the Quickplace website.
- Monitoring
 - Daily particulate monitoring was performed by RETEC, and Argus Pacific conducted twice weekly air monitoring for arsenic and lead, and weekly air monitoring for petroleum distillates, diesel exhaust and PAHs in accordance with the final Air and Noise Monitoring Plan. Indoor air samples were collected from the school during the day when construction was in progress, and overnight. All constituents were non-detect. A revised Air and Noise Monitoring Plan was submitted to Ecology. A third particulate meter was ordered and will be installed at the bridge upon receipt.
 - Surface water quality sampling continued in accordance with the Water Quality Monitoring Plan. BNSF received a third temporary modification of water quality standards from Ecology on September 12 to cover removal of the cofferdam.
 - NDPES discharge monitoring continued.
- Document Preparation and Reporting:
 - BNSF received a third temporary modification of water quality standards from Ecology on September 12.
 - BNSF received a third extension of their HPA until September 15.
 - Internal review of the annual groundwater monitoring report is in process.
 - BNSF continued preparation of design drawings of the shoring wall/liner and response to the CDM memo. Ecology conditionally approved of the proposed barrier and reinforced earth wall (REW) system proposed by RETEC pending submittal of a final technical memorandum that formally addresses points raised by CDM. Ecology accepts the proposal element to overlap the vertical barrier (synthetic liner) joints by 5 feet as opposed to seam sealing. Ecology will accept a liner installation with no special physical protection measures (e.g., geofabric, sand) as long as RETEC supports this installation approach with puncture calculations and suitable liner specification.

- DMR for August was submitted to Ecology.
- Dewatering and Water Treatment: Operation of the water treatment system continued, with 100% of the water being treated originating from the uplands excavation. Adjustment of pH continues to be necessary.
- Meetings and Conference Calls
 - Weekly construction meeting in Skykomish between Wilder and RETEC, 10 am Tuesday, September 12
 - Weekly meeting in Skykomish with Ecology and RETEC, 11 am Tuesday, September 12
 - Conference call between Ecology, DFW, BNSF and RETEC on Tuesday, September 12 at 11 am to discuss water quality issues and mitigation plan

Activities scheduled for the week of September 18 include:

- Continue uplands excavation and backfilling.
- Continue water treatment and discharge.
- Continue to test and screen excavated material using mobile lab; transport materials off-site for disposal as trains and/or trucks are available.
- Recover oil as needed.
- Operate light plant from dusk until dawn.
- Routine Monitoring
 - Air and noise.
 - Surface water quality sampling four times daily until results are below water quality criteria. Thereafter surface water quality monitoring will be discontinued since in-river work has been completed.
 - Archaeological/Cultural Resources.
 - NPDES discharge.
- Community meeting in Skykomish, Wednesday, September 20, 6 – 8 pm

Ms. Bardy
September 18, 2006
Page 4

Deviations

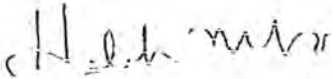
There are no deviations from the Order and project plans to report.

Schedule

At this time, no deviations are anticipated from the schedule in Exhibit E of the Agreed Order.

Sincerely,

The RETEC Group, Inc.



Halah M. Voges, P.E.
Senior Program Manager

cc: Susan Lee - Ecology
Angie Thomson, Penny Mabie, Hillary Johnson - Enviroissues
Bill Mavros - Washington Department of Fish and Wildlife
Bruce Sheppard - BNSF
Chris Yates, Clint Stanovsky - Town of Skykomish
Craig Trueblood - PG&E
Daryl Petrarca - AdaPT
David Carson - Bell & Ingram, P.S.
Desiree Gould - Skykomish School Superintendent
Gary West - Skykomish Resident
John Robinson - US Forest Service
Michael Moore - Skykomish Environmental Coalition
Tom Bean - King County
Mike Byers, Sarah Albano, Steve Howard, Dan Berlin, Joyce Sheldon, Denell Warren,
File BN050-19390 - RETEC



September 25, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending September 22, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending September 22, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed description of any deviations from the Order and project plans and
- Description of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule

Activities

- Excavation/Backfilling, Soil Handling and Testing, Bird Control Measures and Oil Recovery:
 - Uplands excavation and backfilling continued. An archaeologist from NWAA was present as required during excavation. Rip-rap was placed on the levee above the ordinary high water mark and the levee was constructed to elevation 925 feet above mean sea level (msl).
 - All applicable BMPs are being utilized to control non-point source water pollution consistent with WAC 173-201A-510(3) and RCW 90.48.080.
 - Import of stabilization material, structural fill and rip-rap continued.
 - Equipment used only in river (i.e., long stick excavator) was demobilized from site.
 - NRC recovered oil as necessary.

- The light plant was operated from dusk to dawn. Bird deterrent mylar remains in place.
- The screener was demobilized in early September due to space constraints. Therefore all material exceeding the site-specific cleanup level of 22 ppm TPH is being transported off-site to Rabanco via rail.
- Test America continued on-site analysis of soil confirmation samples.
- RETEC posted soil sample results on the Quickplace website.
- In preparation for the start of school, Wilder installed a second fence in the school yard, a new gate on Railroad Ave., new fencing on 6th Street, an emergency access gate at Railroad Ave. and 6th Street and a construction access gate at Railroad Ave. and 6th Street. School started on Monday, September 18.
- Restoration
 - The Town's inspector was notified that Wilder would be setting some catch basins.
 - Foundation designs for the relocated houses were received from D.B. Davis and are undergoing review by RETEC.
- Monitoring
 - Daily particulate monitoring was performed by RETEC, and Argus Pacific conducted twice weekly air monitoring for arsenic and lead, and weekly air monitoring for petroleum distillates, diesel exhaust and PAHs in accordance with the final Air and Noise Monitoring Plan. The Air and Noise Monitoring Reports for Weeks 11 and 12 of construction were submitted to Ecology. The third particulate meter was received.
 - In-river work as defined in the Agreed Order was completed on September 15 and in-river water quality monitoring and reporting is no longer required by Exhibit H.1. of the Order. At Ecology request, BNSF is currently monitoring for turbidity four times daily and reporting results on a weekly basis. All applicable BMPs are being utilized to control non-point source water pollution consistent with WAC 173-201A-510(3) and RCW 90.48.080.
 - NPDES discharge monitoring continued.
- Document Preparation and Reporting:

- The drainage system design was modified and sent to the Town for review.
 - Internal review of the annual groundwater monitoring report is in process.
 - RETEC submitted revised shoring design drawings and a response to CDMs comments on the shoring design to Ecology.
 - RETEC submitted a revised response to DAHP and KC comments re: the treatment plan for historical buildings to Ecology. It is our understanding that Ecology will finalize the response and submit it to DAHP and KC.
- Dewatering and Water Treatment: The water treatment system was shut down for four days to change out carbon in the lead vessel, change out sand, clean out tanks and install bag filters. The system operated for the remainder of the week.
- Meetings and Conference Calls
 - Weekly construction meeting in Skykomish between Wilder and RETEC, 10 am Tuesday, September 19
 - Weekly meeting in Skykomish with Ecology and RETEC, 11 am Tuesday, September 19
 - Community meeting hosted by Ecology at the Community Center on Wednesday, Sept. 20 from 6 – 8 pm.

Activities scheduled for the week of September 18 include:

- Continue uplands excavation and backfilling, including installation of shoring wall/liner. Excavation is expected to be completed by the end of September. Continue using all applicable BMPs consistent with WAC 173-201A-510(3) and RCW 90.48.080 to control non-point source water pollution.
- Continue water treatment and discharge.
- Continue to test excavated material using mobile lab; transport materials off-site for disposal as trains and/or trucks are available.
- Recover oil as needed.
- Operate light plant from dusk until dawn.
- Routine Monitoring
 - Air and noise.

Ms. Bardy
September 25, 2006
Page 4

- Continue in-river water quality turbidity monitoring and reporting requested by Ecology.
- Archaeological/Cultural Resources.
- NPDES discharge.
- Meeting between Ecology and BNSF on Thursday, Sept. 28 to discuss plans for additional remedial actions for the site.

Deviations

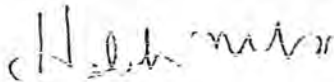
There are no deviations from the Order and project plans to report.

Schedule

At this time, no deviations are anticipated from the schedule in Exhibit E of the Agreed Order.

Sincerely,

The RETEC Group, Inc.



Halah M. Voges, P.E.
Senior Program Manager

cc: Susan Lee - Ecology
Angie Thomson, Penny Mabie, Hillary Johnson - Enviroissues
Bill Mavros – Washington Department of Fish and Wildlife
Bruce Sheppard - BNSF
Chris Yates, Clint Stanovsky – Town of Skykomish
Craig Trueblood – PG&E
Daryl Petrarca - AdaPT
David Carson – Bell & Ingram, P.S.
Desiree Gould – Skykomish School Superintendent
Gary West – Skykomish Resident
John Robinson – US Forest Service
Michael Moore – Skykomish Environmental Coalition
Tom Bean – King County

Ms. Bardy
September 25, 2006
Page 5

Mike Byers, Sarah Albano, Steve Howard, Dan Berlin, Joyce Sheldon, Denell Warren,
File BN050-19390 - RETEC



October 2, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending September 29, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending September 29, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed description of any deviations from the Order and project plans and
- Description of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule

Activities

- Excavation/Backfilling, Soil Handling and Testing, Bird Control Measures and Oil Recovery:
 - Uplands excavation continued.
 - Backfilling, grading and compaction activities continued. Rip-rap placement was completed except at the water treatment plant and the levee has been reconstructed to the final subgrade elevation. Top soil will be placed on the upper foot of the levee.
 - A pump test was performed in a trench box near the bridge in preparation for installation of the shoring/containment wall.
 - All applicable BMPs are being utilized to control non-point source water pollution consistent with WAC 173-201A-510(3) and RCW 90.48.080.
 - Import of stabilization material and structural fill continued.

- NRC recovered oil as necessary.
 - The light plant was operated from dusk to dawn. Bird deterrent mylar remains in place.
 - Test America continued on-site analysis of soil confirmation samples.
 - RETEC posted soil sample results on the Quickplace website.
- Restoration
 - Continued installation of stormwater conveyance system (pipes and catch basins).
 - Internal review of foundation designs for the relocated houses was completed.
- Monitoring
 - Daily particulate monitoring was performed by RETEC, and Argus Pacific conducted twice weekly air monitoring for arsenic and lead, and weekly air monitoring for petroleum distillates, diesel exhaust and PAHs in accordance with the final Air and Noise Monitoring Plan. The Air and Noise Monitoring Report for Week 13 of construction was submitted to Ecology. The third particulate meter was installed and operated at the bridge.
 - In-river work as defined in the Agreed Order was completed on September 15 and in-river water quality monitoring and reporting is no longer required by Exhibit H.1. of the Order. At Ecology request, BNSF is currently monitoring for turbidity four times daily and reporting results on a weekly basis. The sampling location was also changed from 300 feet downstream to the project area, also in response to Ecology request. All applicable BMPs are being utilized to control non-point source water pollution consistent with WAC 173-201A-510(3) and RCW 90.48.080.
 - An archaeologist from NWAA was on-site during uplands excavation. Monitoring is complete. A glass bottle cache was found on the Moore property.
 - NPDES discharge monitoring continued.
- Document Preparation and Reporting:
 - Internal review of the annual groundwater monitoring report is in process.
 - RETEC submitted EDR Modification No. 3 to Ecology for approval. The modification addresses the change in shoring and containment methods detailed in RETEC's September 19, 2006 technical memorandum.

- BNSF is currently preparing an "Upland Construction, Excavation and Grading Water Quality Monitoring Plan" to document BNSF's monitoring of and reporting on turbidity.
- Dewatering and Water Treatment: Water treatment plant operations continued. The granular activated carbon (GAC) was backflushed. One treatment train is currently running through the bag filters.
- Meetings and Conference Calls
 - Weekly construction meeting in Skykomish between Wilder and RETEC, 10 am Tuesday, September 26
 - Weekly meeting in Skykomish with Ecology and RETEC, 11 am Tuesday, September 26.
 - Meeting between Ecology and BNSF on Thursday, Sept. 28 to discuss plans for additional remedial actions for the site.

Activities scheduled for the week of October 2 include:

- Complete uplands excavation. Begin installation of shoring wall/liner and continue backfilling, grading and compaction. Continue using all applicable BMPs consistent with WAC 173-201A-510(3) and RCW 90.48.080 to control non-point source water pollution.
- Continue water treatment and discharge.
- Continue to test excavated material. Mobile lab will be decommissioned. Continue transporting materials off-site for disposal as trains and/or trucks are available.
- Continue stormsewer installation.
- Decontamination of equipment used in the excavation.
- Continue to import stabilization and structural materials.
- Recover oil as needed.
- Operate light plant from dusk until dawn.
- Routine Monitoring
 - Air and noise.

Ms. Bardy
October 2, 2006
Page 4

- o Continue in-river water quality turbidity monitoring and reporting requested by Ecology.
- o NPDES discharge.

Deviations

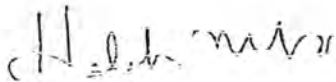
There are no deviations from the Order and project plans to report.

Schedule

At this time, no deviations are anticipated from the schedule in Exhibit E of the Agreed Order.

Sincerely,

The RETEC Group, Inc.



Halal M. Voges, P.E.
Senior Program Manager

cc: Susan Lee - Ecology
Angie Thomson, Penny Mabie, Hillary Johnson - Enviroissues
Bill Mavros – Washington Department of Fish and Wildlife
Bruce Sheppard - BNSF
Chris Yates, Clint Stanovsky – Town of Skykomish
Craig Trueblood – PG&E
Daryl Petrarca - AdaPT
David Carson – Bell & Ingram, P.S.
Desiree Gould – Skykomish School Superintendent
Gary West – Skykomish Resident
John Robinson – US Forest Service
Michael Moore – Skykomish Environmental Coalition
Tom Bean – King County
Mike Byers, Sarah Albano, Steve Howard, Dan Berlin, Joyce Sheldon, Denell Warren,
File BN050-19390 - RETEC



October 9, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending October 6, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending October 6, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed description of any deviations from the Order and project plans and
- Description of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule

Activities

- Excavation/Backfilling, Soil Handling and Testing, Bird Control Measures and Oil Recovery:
 - Uplands excavation was completed.
 - Backfilling, grading and compaction activities continued.
 - Installation of the shoring/containment wall was initiated.
 - All applicable BMPs are being utilized to control non-point source water pollution consistent with WAC 173-201A-510(3) and RCW 90.48.080.
 - Import of structural fill continued.
 - NRC recovered oil as necessary.
 - The light plant was operated from dusk to dawn. Bird deterrent mylar remains in place.

- The Test America mobile laboratory was decommissioned.
 - RETEC posted soil sample results on the Quickplace website.
 - Trains were loaded daily except Tuesday with material for transport to the off-site disposal facility.
- Restoration
 - Continued installation of stormwater conveyance system (pipes and catch basins).
 - Revisions to the foundation designs for the relocated houses are in process.
 - The Verizon design for restoration of telecommunications is in process.
 - Potelco is in the process of preparing the design for restoration of electrical service.
 - D.B. Davis initiated minor repair work on relocated houses that must be completed prior to moving houses.
- Monitoring
 - Daily particulate monitoring was performed by RETEC, and Argus Pacific conducted twice weekly air monitoring for arsenic and lead, and weekly air monitoring for petroleum distillates, diesel exhaust and PAHs in accordance with the revised Air and Noise Monitoring Plan.
 - In-river work as defined in the Agreed Order was completed on September 15 and in-river water quality monitoring and reporting is no longer required by Exhibit H.1. of the Order. At Ecology request, BNSF is currently monitoring for turbidity four times daily and reporting results on a weekly basis. All applicable BMPs are being utilized to control non-point source water pollution consistent with WAC 173-201A-510(3) and RCW 90.48.080.
 - NPDES discharge monitoring continued.
- Document Preparation and Reporting:
 - The annual groundwater monitoring report is being finalized.
 - Ecology requested one minor modification to EDR Modification No. 3. A revised modification form was forwarded to Ecology for approval. The modification addresses the change in shoring and containment methods detailed in RETEC's September 19, 2006 technical memorandum.

- BNSF is finalizing the "Upland Construction, Excavation and Grading Water Quality Monitoring Plan" to document BNSF's monitoring of and reporting on turbidity.
- Dewatering and Water Treatment: Water treatment plant operations continued. Wilder initiated discussions with Ecology to investigate the substantive requirements for a permit to discharge industrial wastewater to ground water. RETEC will work with Wilder and Ecology to evaluate the feasibility of treating stormwater on the railyard, rather than continued operation of the water treatment system, and discharging of treated water to the ground surface during load out of contaminated soils.
- Meetings and Conference Calls
 - Weekly construction meeting in Skykomish between Wilder and RETEC, 10 am Tuesday, October 3
 - Weekly meeting in Skykomish with Ecology and RETEC, 11 am Tuesday, October 3.

Activities scheduled for the week of October 6 include:

- Continue installation of shoring wall/liner and continue backfilling, grading and compaction. Continue using all applicable BMPs consistent with WAC 173-201A-510(3) and RCW 90.48.080 to control non-point source water pollution.
- Continue water treatment and discharge.
- Continue transporting materials off-site for disposal as trains and/or trucks are available.
- Continue stormsewer installation.
- Continue design for restoration of utilities. Finalize house foundation designs. Continue to coordinate with Town on other restoration items including levee retaining wall.
- Continue to import structural material.
- Recover oil as needed.
- Operate light plant from dusk until dawn as long as an open excavation containing water and oil is present on site.
- Submit annual groundwater monitoring report to Ecology.

Ms. Bardy
October 9, 2006
Page 4

- Submit "Upland Construction, Excavation, and Grading Water Quality Monitoring Plan" to Ecology.
- Routine Monitoring
 - Air and noise.
 - Continue in-river water quality turbidity monitoring and reporting requested by Ecology in accordance with the "Upland Construction, Excavation, and Grading Water Quality Monitoring Plan".
 - NPDES discharge.

Deviations

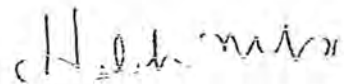
There are no deviations from the Order and project plans to report.

Schedule

At this time, no deviations are anticipated from the schedule in Exhibit E of the Agreed Order.

Sincerely,

The RETEC Group, Inc.



Halah M. Voges, P.E.
Senior Program Manager

cc: Susan Lee - Ecology
Angie Thomson, Penny Mabie, Hillary Johnson - Enviroissues
Bill Mavros - Washington Department of Fish and Wildlife
Bruce Sheppard - BNSF
Chris Yates, Clint Stanovsky - Town of Skykomish
Craig Trueblood - PG&E
Daryl Petrarca - AdaPT
David Carson - Bell & Ingram, P.S.
Desiree Gould - Skykomish School Superintendent
Gary West - Skykomish Resident
John Robinson - US Forest Service
Michael Moore - Skykomish Environmental Coalition

Ms. Bardy
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Page 5

Tom Bean – King County
Mike Byers, Sarah Albano, Steve Howard, Dan Berlin, Joyce Sheldon, Denell Warren,
File BN050-19390 - RETEC



October 16, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending October 13, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending October 13, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed description of any deviations from the Order and project plans and
- Description of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule

Activities

- Excavation/Backfilling, Soil Handling and Testing, Bird Control Measures and Oil Recovery:
 - Backfilling, grading and compaction activities continued.
 - Installation of the shoring/containment wall continued.
 - All applicable BMPs are being utilized to control non-point source water pollution consistent with WAC 173-201A-510(3) and RCW 90.48.080.
 - Import of structural fill continued.
 - NRC recovered oil as necessary.
 - The light plant was operated from dusk to dawn. Bird deterrent mylar remains in place.

- Trains were loaded daily with material for transport to the off-site disposal facility.
- Restoration
 - Continued installation of stormwater conveyance system (pipes and catch basins).
 - Revisions to the foundation designs for the relocated houses are in process.
 - The Verizon design for restoration of telecommunications is in process.
 - Received Potelco's design for restoration of electrical service.
 - D.B. Davis continued minor repair work on relocated houses that must be completed prior to moving houses.
 - Levee retaining wall design is in progress.
- Monitoring
 - Daily particulate monitoring was performed by RETEC, and Argus Pacific conducted twice weekly air monitoring for arsenic and lead, and weekly air monitoring for petroleum distillates, diesel exhaust and PAHs in accordance with the revised Air and Noise Monitoring Plan. The air and noise monitoring report for the fourteenth week of construction was submitted to Ecology.
 - In-river work as defined in the Agreed Order was completed on September 15 and in-river water quality monitoring and reporting is no longer required by Exhibit H.1. of the Order. At Ecology request, BNSF is currently monitoring for turbidity four times daily and reporting results on a weekly basis. Monitoring for pH was also conducted for two days at Ecology's request. All applicable BMPs are being utilized to control non-point source water pollution consistent with WAC 173-201A-510(3) and RCW 90.48.080.
 - NPDES discharge monitoring continued.
 - Surveying of control points on school foundation was conducted and the results indicated that no movement of the school foundation has occurred in conjunction with the nearby excavation work.
- Document Preparation and Reporting:
 - The annual groundwater monitoring report is being finalized.

- Ecology approved EDR Modification No. 3 and requested a fourth modification to address use of concrete instead of ecology blocks for shoring wall construction adjacent to the Teacherage.
- BNSF submitted the "Upland Construction, Excavation and Grading Water Quality Monitoring Plan" to Ecology to document BNSF's monitoring of and reporting on turbidity and pH.
- DMR for September was submitted to Ecology.
- Submitted summary of BNSF's technical concerns with Ecology's plans for cleanup of the overall site as discussed at the September 28 meeting.
- Dewatering and Water Treatment: Water treatment plant operations continued. RETEC continued discussions with Ecology to investigate the substantive requirements for a permit to discharge industrial wastewater to ground water.
- Meetings and Conference Calls
 - Weekly construction meeting in Skykomish between Wilder and RETEC, 10 am Tuesday, October 10
 - Weekly meeting in Skykomish with Ecology and RETEC, 11 am Tuesday, October 10.

Activities scheduled for the week of October 16 include:

- Continue installation of shoring wall/liner and continue backfilling, grading and compaction. Continue using all applicable BMPs consistent with WAC 173-201A-510(3) and RCW 90.48.080 to control non-point source water pollution.
- Continue water treatment and discharge.
- Continue transporting materials off-site for disposal as trains and/or trucks are available.
- Continue storm sewer installation.
- Continue design for restoration of utilities. Finalize house foundation designs. Continue to coordinate with Town on other restoration items including levee retaining wall.
- Continue to import structural material.
- Initiate work on house foundations.

Ms. Bardy
October 16, 2006
Page 4

- Recover oil as needed.
- Operate light plant from dusk until dawn as long as an open excavation containing water and oil is present on site.
- Prepare and submit EDR Modification No. 4 to document changes in shoring wall.
- Submit annual groundwater monitoring report to Ecology.
- RETEC will continue to work with Wilder and Ecology to evaluate the feasibility of treating and discharging stormwater on the railyard, rather than continued operation of the water treatment system.
- Routine Monitoring
 - Air and noise.
 - Continue in-river water quality turbidity monitoring and reporting requested by Ecology in accordance with the "Upland Construction, Excavation, and Grading Water Quality Monitoring Plan".
 - NPDES discharge.

Deviations

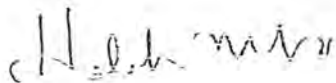
There are no deviations from the Order and project plans to report.

Schedule

At this time, no deviations are anticipated from the schedule in Exhibit E of the Agreed Order.

Sincerely,

The RETEC Group, Inc.



Halah M. Voges, P.E.
Senior Program Manager

cc: Susan Lee - Ecology
Angie Thomson, Penny Mabie, Hillary Johnson - Enviroissues

Ms. Bardy
October 16, 2006
Page 5

Bill Mavros – Washington Department of Fish and Wildlife
Bruce Sheppard - BNSF
Chris Yates, Clint Stanovsky – Town of Skykomish
Craig Trueblood – PG&E
Daryl Petrarca - AdaPT
David Carson – Bell & Ingram, P.S.
Desiree Gould – Skykomish School Superintendent
Gary West – Skykomish Resident
John Robinson – US Forest Service
Michael Moore – Skykomish Environmental Coalition
Ron Timm - Ecology
Tom Bean – King County
Mike Byers, Sarah Albano, Steve Howard, Dan Berlin, Joyce Sheldon, Denell Warren,
File BN050-19390 - RETEC



October 23, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending October 20, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending October 20, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed description of any deviations from the Order and project plans and
- Description of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule

Activities

- Excavation/Backfilling, Soil Handling and Testing, Bird Control Measures and Oil Recovery:
 - Backfilling, grading and compaction activities continued. Backfilling to the water table has been completed.
 - Installation of the shoring/containment wall continued.
 - All applicable BMPs are being utilized to control non-point source water pollution consistent with WAC 173-201A-510(3) and RCW 90.48.080.
 - Import of structural fill continued.
 - NRC recovered oil as necessary.
 - The light plant was operated from dusk to dawn. Bird deterrent mylar remained in place.

- Trains were loaded daily with material for transport to the off-site disposal facility.
- Restoration
 - Continued installation of stormwater conveyance system (pipes and catch basins). Revisions to the storm sewer design are in process to relocate an oil/water separator onto Town property.
 - D. B. Davis submitted foundation designs to the Town on Friday, Oct. 13.
 - BRH Surveyors marked property corners for the Mitchell, Mackner and Moore properties.
 - The Verizon design for restoration of telecommunications and joint utility trench is in process.
 - D.B. Davis completed minor repair work on relocated houses that was required prior to moving houses. D.B. Davis has reached agreements with the school district and Michael Moore to complete additional repairs to the Teacherage and Moore house, respectively.
 - Wilder excavated rough cuts for the Mitchell and Mackner house foundations. However, construction of the Mitchell foundations has been delayed in order to evaluate the feasibility of offsetting the relocated houses somewhat from their original locations at the Mitchell's request.
 - Levee retaining wall design is in progress.
- Monitoring
 - Daily particulate monitoring was performed by RETEC, and Argus Pacific conducted twice weekly air monitoring for arsenic and lead, and weekly air monitoring for petroleum distillates, diesel exhaust and PAHs in accordance with the revised Air and Noise Monitoring Plan. The air and noise monitoring report for the fifteenth week of construction was submitted to Ecology.
 - In-river work as defined in the Agreed Order was completed on September 15 and in-river water quality monitoring and reporting is no longer required by Exhibit H.1. of the Order. At Ecology request, BNSF is currently monitoring for turbidity four times daily and reporting results on a weekly basis. All applicable BMPs are being utilized to control non-point source water pollution consistent with WAC 173-201A-510(3) and RCW 90.48.080.

- NPDES discharge monitoring continued.
- Document Preparation and Reporting:
 - The annual groundwater monitoring report was submitted to Ecology.
 - EDR Modification No. 4 to address use of concrete instead of ecology blocks for shoring wall construction adjacent to the Teacherage is in process.
- Dewatering and Water Treatment: Water treatment plant operations continued. RETEC and Wilder continued discussions with Ecology to investigate the substantive requirements for a permit to discharge industrial wastewater to ground water. RETEC is currently preparing an informational permit application.
- Meetings and Conference Calls
 - Ecology, RETEC and Wilder participated in a conference call Monday, Oct. 16 to discuss substantive permit requirements for relocating water treatment facilities to the railyard and discharge of treated stormwater to the ground surface.
 - Weekly construction meeting in Skykomish between Wilder and RETEC, 10 am Tuesday, October 17
 - Weekly meeting in Skykomish with Ecology and RETEC, 11 am Tuesday, October 17

Activities scheduled for the week of October 23 include:

- Continue installation of shoring wall/liner and continue backfilling, grading and compaction. Continue using all applicable BMPs consistent with WAC 173-201A-510(3) and RCW 90.48.080 to control non-point source water pollution.
- Continue water treatment and discharge as necessary to treat stormwater and maintain system.
- Continue transporting materials off-site for disposal as trains and/or trucks are available.
- Continue storm sewer installation.
- Continue design for restoration of utilities. Continue to coordinate with Town on other restoration items including levee retaining wall.
- Continue to import structural material.

Ms. Bardy
October 23, 2006
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- Finalize Mitchell house foundation locations and initiate construction of foundations.
- NRC will demobilize from site since excavation has been backfilled to water table.
- Demobilize light plant and bird deterrent mylar and predator decoys.
- Submit EDR Modification No. 4 to document changes in shoring wall.
- Submit informational permit application to Ecology for discharge of treated stormwater to the groundsurface on the railyard, rather than continued operation of the water treatment system.
- Routine Monitoring
 - Air and noise.
 - Continue in-river water quality turbidity monitoring and reporting requested by Ecology in accordance with the "Upland Construction, Excavation, and Grading Water Quality Monitoring Plan".
 - NPDES discharge.

Deviations

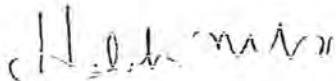
There are no deviations from the Order and project plans to report.

Schedule

At this time, no deviations are anticipated from the schedule in Exhibit E of the Agreed Order.

Sincerely,

The RETEC Group, Inc.



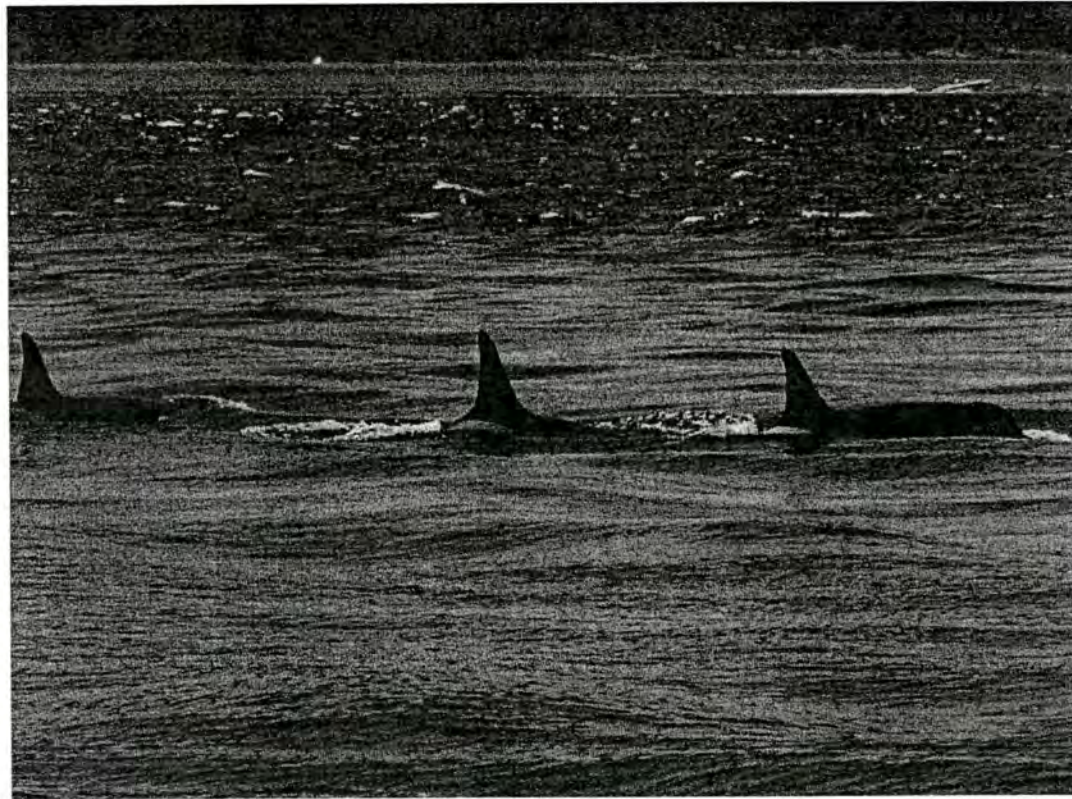
Halah M. Voges, P.E.
Senior Program Manager

cc: Susan Lee - Ecology
Angie Thomson, Penny Mabie, Hillary Johnson - Enviroissues
Bruce Sheppard - BNSF

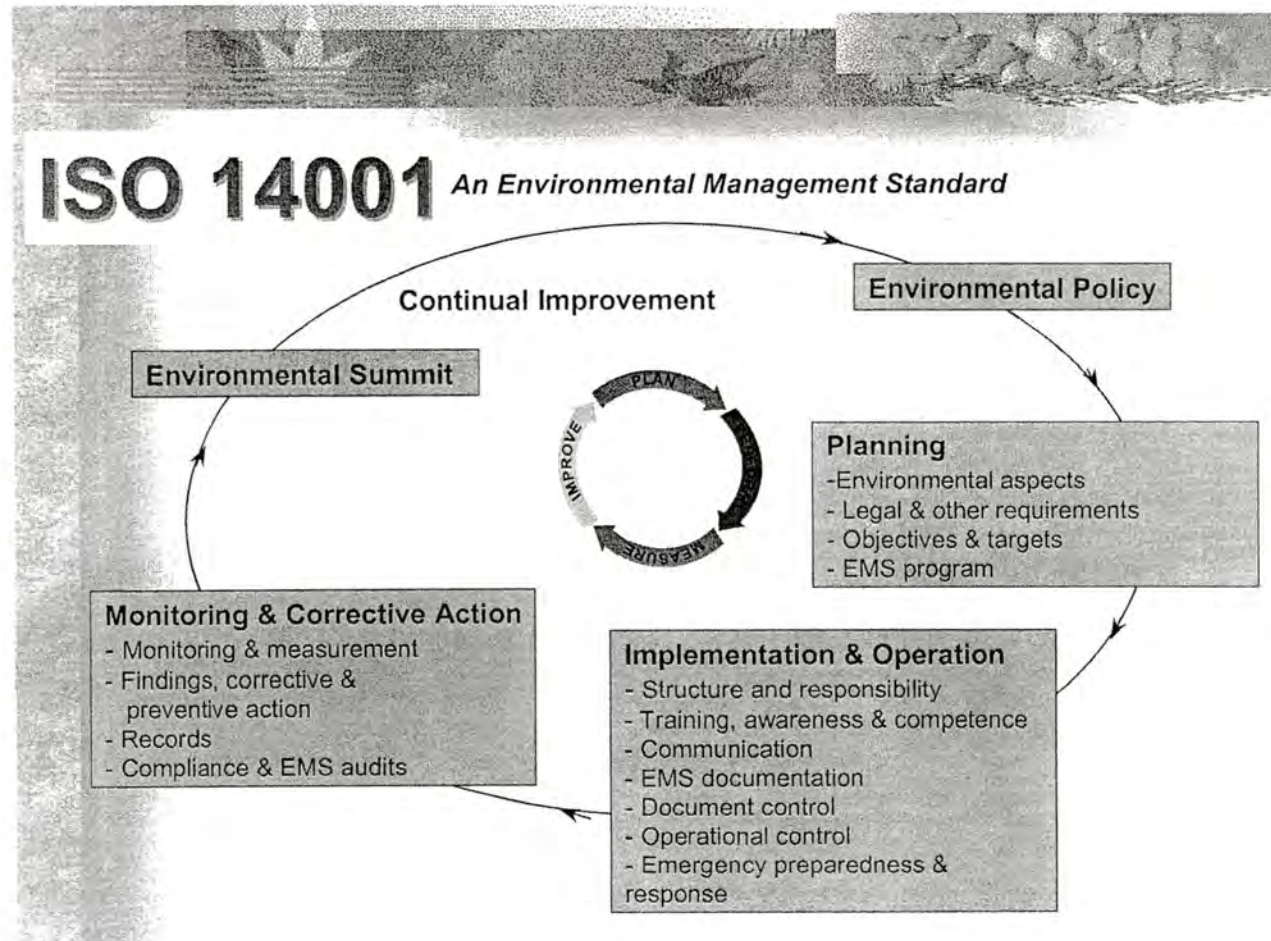
Ms. Bardy
October 23, 2006
Page 5

Chris Yates, Clint Stanovsky – Town of Skykomish
Craig Trueblood – PG&E
Daryl Petrarca - AdaPT
David Carson – Bell & Ingram, P.S.
Desiree Gould – Skykomish School Superintendent
Gary West – Skykomish Resident
John Robinson – US Forest Service
Michael Moore – Skykomish Environmental Coalition
Ron Timm - Ecology
Tom Bean – King County
Mike Byers, Sarah Albano, Steve Howard, Dan Berlin, Joyce Sheldon, Denell Warren,
File BN050-19390 - RETEC

2006 Environmental Summit



Summit - part of our ISO 14001 Process



Beautiful Baskets from Ghana





October 30, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending October 27, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending October 27, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed description of any deviations from the Order and project plans and
- Description of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule

Activities

- Excavation/Backfilling, Soil Handling and Testing, Bird Control Measures and Oil Recovery:
 - Backfilling, grading and compaction activities continued. Backfilling to grade has been completed.
 - Installation of the shoring/containment wall and liner was completed.
 - All applicable BMPs are being utilized to control non-point source water pollution consistent with WAC 173-201A-510(3) and RCW 90.48.080.
 - Import of structural fill continued.
 - NRC decontaminated equipment and demobilized from the site.
 - The light plant was demobilized. Bird deterrent mylar and predator decoys were demobilized.

- Oil containment boom was removed from the river.
- Trains were loaded daily, except for Saturday, with material for transport to the off-site disposal facility. As trucks have not been available to ship material off-site, Wilder demobilized scaffolding that was used for lining containers and the dirt ramp used to load trucks was removed.
- Restoration
 - Completed installation of underground stormwater conveyance system.
 - The location of the Mitchell foundations was resolved and D. B. Davis initiated work on foundations. The Mitchell septic design is being revised to accommodate the new location of the houses.
 - BRH Surveyors marked the remaining property corners and surveyed the control points on the school foundation. The survey results indicate that the school foundation has not moved as a result of deep excavation, shoring wall construction and liner installation.
 - The Verizon design for restoration of telecommunications and joint utility trench is in process.
 - Levee retaining wall design is in progress.
- Monitoring
 - Daily particulate monitoring was performed by RETEC, and Argus Pacific conducted twice weekly air monitoring for arsenic and lead, and weekly air monitoring for petroleum distillates, diesel exhaust and PAHs in accordance with the revised Air and Noise Monitoring Plan. Discussions were initiated with Ecology regarding phase out of air monitoring in the residential area since backfilling to grade has been completed.
 - In-river work as defined in the Agreed Order was completed on September 15 and in-river water quality monitoring and reporting is no longer required by Exhibit H.1. of the Order. At Ecology request, BNSF continued monitoring for turbidity four times daily and reporting results on a weekly basis. All applicable BMPs are being utilized to control non-point source water pollution consistent with WAC 173-201A-510(3) and RCW 90.48.080.
 - NPDES discharge monitoring continued.
- Document Preparation and Reporting:

- EDR Modification No. 4 was submitted to Ecology. Ecology approved the modification.
- Dewatering and Water Treatment: A sump was installed in the shoring wall trench to allow pumping of groundwater in order to maintain water treatment plant operations. An informational permit application was submitted to Ecology to discharge industrial wastewater to ground water. Wilder initiated demobilization of one of the treatment trains.
- Meetings and Conference Calls
 - Weekly construction meeting in Skykomish between Wilder and RETEC, 10 am Tuesday, October 24
 - Weekly meeting in Skykomish with Ecology and RETEC, 11 am Tuesday, October 24

Activities scheduled for the week of October 30 include:

- Continue using all applicable BMPs consistent with WAC 173-201A-510(3) and RCW 90.48.080 to control non-point source water pollution. Discontinue water quality monitoring since upland compaction and backfilling work has been completed and water quality is less than 5 NTU above background.
- Continue water pumping, treatment and discharge as necessary to treat stormwater and maintain system.
- Continue transporting materials off-site for disposal as trains are available.
- Continue design for restoration of utilities. Continue to coordinate with Town on other restoration items including levee retaining wall.
- Continue construction of foundations.
- Routine Monitoring
 - Air and noise – discuss phase out plans with Ecology
 - Discontinue in-river water quality turbidity monitoring in accordance with the “Upland Construction, Excavation, and Grading Water Quality Monitoring Plan”.
 - NPDES discharge.

Ms. Bardy
October 30, 2006
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Deviations

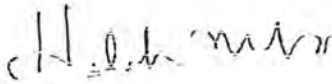
There are no deviations from the Order and project plans to report.

Schedule

Based on discussions with D. B. Davis, we anticipate that the temporarily relocated houses will not be ready for occupancy by December 1, 2006. Currently we anticipate a one to two week delay in this schedule due to the Mitchell request to relocate their houses and potential delays in obtaining King County approval of the revised septic system design. We will formally request an extension of the December 1, 2006 deadline specified in Exhibit E of the Agreed Order.

Sincerely,

The RETEC Group, Inc.



Halal M. Voges, P.E.
Senior Program Manager

cc: Susan Lee - Ecology
Angie Thomson, Penny Mabie, Hillary Johnson - Enviroissues
Bruce Sheppard - BNSF
Chris Yates, Clint Stanovsky - Town of Skykomish
Craig Trueblood - PG&E
Daryl Petrarca - AdaPT
David Carson - Bell & Ingram, P.S.
Desiree Gould - Skykomish School Superintendent
Gary West - Skykomish Resident
John Robinson - US Forest Service
Michael Moore - Skykomish Environmental Coalition
Ron Timm - Ecology
Tom Bean - King County
Mike Byers, Steve Howard, Dan Berlin, Joyce Sheldon, Denell Warren, File BN050-19390 - RETEC



November 6, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending November 3, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending November 3, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed description of any deviations from the Order and project plans and
- Description of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule

Activities

- Soil Handling:
 - All applicable BMPs are being utilized to control non-point source water pollution consistent with WAC 173-201A-510(3) and RCW 90.48.080.
 - Trains were loaded daily with material for transport to the off-site disposal facility.
- Restoration
 - D. B. Davis has been laying out foundations, excavating foundations and preparing for foundation work.
 - BRH Surveyors notified RETEC of a mistake in the property line survey for the Mitchell property. RETEC worked with the Mitchell's and Town to determine what, if any, impacts this mistake would have in the location of house foundations.

- The Verizon design for restoration of telecommunications and joint utility trench is in process.
 - Levee retaining wall design is in progress.
- Monitoring
 - Daily particulate monitoring was performed by RETEC, and Argus Pacific conducted twice weekly air monitoring for arsenic and lead, and weekly air monitoring for petroleum distillates, diesel exhaust and PAHs in accordance with the revised Air and Noise Monitoring Plan. Ecology approved discontinuation of air monitoring. Air and Noise Monitoring Reports for weeks 16, 17 and 18 of the levee zone cleanup were submitted to Ecology.
 - In-river work as defined in the Agreed Order was completed on September 15 and in-river water quality monitoring and reporting is no longer required by Exhibit H.1. of the Order. At Ecology request, BNSF continued monitoring for turbidity two to four times daily and reporting results on a weekly basis in accordance with the draft Upland Construction, Excavation, and Grading Water Quality Monitoring Plan submitted to Ecology on October 10, 2006. All applicable BMPs are being utilized to control non-point source water pollution consistent with WAC 173-201A-510(3) and RCW 90.48.080. Discussions were initiated with Ecology re: discontinuation of water quality monitoring.
 - NPDES discharge monitoring continued.
- Document Preparation and Reporting:
 - Ecology approval of EDR Modification No. 4 was received.
 - Preparation of a mitigation plan for turbidity is in progress.
- Dewatering and Water Treatment: Stormwater that fell on the soil stockpile area was treated. Wilder initiated setup of the water treatment facility on the railyard.
- Meetings and Conference Calls
 - Weekly construction meeting in Skykomish between Wilder and RETEC, 10 am Tuesday, October 31
 - Weekly meeting in Skykomish with Ecology and RETEC, 2 pm Tuesday, October 31

- Meeting with Ecology, BNSF and Town representatives to discuss schedule for overall site cleanup, Thursday November 2 at 9:30 am at Ecology's NWRO
- Meeting between Ecology and BNSF representatives to discuss SEPA requirements for overall site cleanup, Friday November 3 at 9:00 am at Ecology's NWRO

Activities scheduled for the week of November 6 include:

- Continue using all applicable BMPs consistent with WAC 173-201A-510(3) and RCW 90.48.080 to control non-point source water pollution. Continue discussions with Ecology to discontinue water quality monitoring since upland compaction and backfilling work has been completed and water quality is less than 5 NTU above background.
- Continue treatment and discharge of stormwater and maintain existing system adjacent to the river until Ecology approves discharge of treated stormwater to the land surface on the railyard.
- Continue transporting materials off-site for disposal as trains are available.
- Continue design for restoration of utilities. Continue to coordinate with Town on other restoration items including levee retaining wall.
- Prepare and pour foundations.
- Begin work on retaining wall if design has been completed.
- Install heaters and dehumidifiers in the temporarily relocated houses. Generators will be operated during daytime hours only.
- Prepare houses for moving. Houses are scheduled to be moved November 13 – 15.
- Routine Monitoring
 - Noise
 - Discontinue in-river water quality turbidity monitoring with Ecology approval
 - NPDES discharge.

Deviations

There are no deviations from the Order and project plans to report.

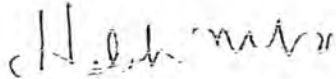
Ms. Bardy
November 6, 2006
Page 4

Schedule

Based on discussions with D. B. Davis, we anticipate that the temporarily relocated houses will not be ready for occupancy by December 1, 2006. Currently we anticipate a one to two week delay in this schedule due to the Mitchell request to relocate their houses and potential delays in obtaining King County approval of the revised septic system design. We will formally request an extension of the December 1, 2006 deadline specified in Exhibit E of the Agreed Order.

Sincerely,

The RETEC Group, Inc.



Halah M. Voges, P.E.
Senior Program Manager

cc: Susan Lee - Ecology
Angie Thomson, Penny Mabie, Hillary Johnson - Enviroissues
Bruce Sheppard - BNSF
Chris Yates, Clint Stanovsky - Town of Skykomish
Craig Trueblood - PG&E
Daryl Petrarca - AdaPT
David Carson - Bell & Ingram, P.S.
Desiree Gould - Skykomish School Superintendent
Gary West - Skykomish Resident
John Robinson - US Forest Service
Michael Moore - Skykomish Environmental Coalition
Ron Timm - Ecology
Tom Bean - King County
Mike Byers, Steve Howard, Dan Berlin, Joyce Sheldon, Denell Warren, File BN050-19390 - RETEC



November 13, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending November 10, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending November 10, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed description of any deviations from the Order and project plans and
- Description of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule

Activities

- Soil Handling:
 - All applicable BMPs are being utilized to control non-point source water pollution consistent with WAC 173-201A-510(3) and RCW 90.48.080.
 - One train was loaded with material for transport to the off-site disposal facility. The number of trains was impacted by shut down of the mainline due to adverse weather conditions.
 - Wilder placed material that was stockpiled in the area of the house foundations along the levee to widen/reinforce it in areas where the retaining wall will be installed for additional protection during the flooding.
- Restoration
 - D. B. Davis has been preparing houses for moving. Foundation work was delayed due to the adverse weather and site flooding. The foundation work will be completed after the houses are moved, but are still jacked up.

- Heaters and dehumidifiers were installed in the houses and operated during daytime hours.
 - The Verizon design for restoration of telecommunications and joint utility trench is in process.
 - Levee retaining wall design is in progress.
- Monitoring
 - Air monitoring equipment was removed from the site. Noise monitoring continued at the school and railyard.
 - In-river work as defined in the Agreed Order was completed on September 15 and in-river water quality monitoring and reporting is no longer required by Exhibit H.1. of the Order. At Ecology request, BNSF continued monitoring for turbidity in accordance with the draft Upland Construction, Excavation, and Grading Water Quality Monitoring Plan submitted to Ecology on October 10, 2006 on a limited basis due to flooding. All applicable BMPs are being utilized to control non-point source water pollution consistent with WAC 173-201A-510(3) and RCW 90.48.080.
 - NPDES discharge and monitoring was discontinued. Equipment was relocated to the railyard. Piping was dismantled and carbon and sand filters were emptied out via vacuum truck.
- Document Preparation and Reporting:
 - BNSF received and commented on Ecology's draft letter amending the Agreed Order with Exhibit J (substantive requirements for discharge of water to the ground surface).
 - Preparation of a mitigation plan for turbidity is in progress.
 - Initiated preparation of DMR for October.
- Dewatering and Water Treatment: Wilder completed setup of the water treatment facility on the railyard. Stormwater that fell on the soil stockpile area was treated and discharged to the railyard ground surface under an emergency basis due to flooding and the need to remove water-sensitive equipment from the area adjacent to the river.
- Meetings and Conference Calls

- Weekly construction meeting in Skykomish between Wilder and RETEC, 10 am Tuesday, November 7 was cancelled due to flooded site conditions and adverse weather.
- Weekly meeting in Skykomish with Ecology and RETEC, 10 am Tuesday, November 7 was cancelled due to flooded site conditions and adverse weather.
- Meeting with Town, PSE & Verizon 10 am Friday, November 10 to discuss easements and locations for pedestals and other structures necessary to restore utilities.

Activities scheduled for the week of November 13 include:

- Continue using all applicable BMPs consistent with WAC 173-201A-510(3) and RCW 90.48.080 to control non-point source water pollution. Continue discussions with Ecology to discontinue water quality monitoring since upland compaction and backfilling work has been completed and water quality is less than 5 NTU above background.
- Obtain Ecology's approval and amended Agreed Order to allow continued treatment and discharge of stormwater to the land surface on the railyard.
- Continue loading and transporting materials off-site for disposal as trains are available.
- Continue design for restoration of utilities. Continue to coordinate with Town on other restoration items including levee retaining wall.
- Prepare and pour foundations.
- Begin work on retaining wall if design has been completed.
- Continue operating heaters and dehumidifiers in the temporarily relocated houses.
- Move houses on November 13 and 15.
- Routine Monitoring
 - Noise
 - Discontinue in-river water quality turbidity monitoring with Ecology approval
 - Initiate monitoring required by draft Exhibit J to the Agreed Order

Deviations

There are no deviations from the Order and project plans to report.

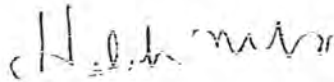
Ms. Bardy
November 13, 2006
Page 4

Schedule

Based on discussions with D. B. Davis, we anticipate that the temporarily relocated houses will not be ready for occupancy by December 1, 2006. Currently we anticipate a one to two week delay in this schedule. We also anticipate the need to request an extension of the December 15 deadline for having residents moved back to their houses. We will formally request an extension of the December 1 and 15, 2006 deadlines specified in Exhibit E of the Agreed Order.

Sincerely,

The RETEC Group, Inc.



Halah M. Voges, P.E.
Senior Program Manager

cc: Susan Lee - Ecology
Angie Thomson, Penny Mabie, Hillary Johnson - Enviroissues
Bruce Sheppard - BNSF
Chris Yates, Clint Stanovsky - Town of Skykomish
Craig Trueblood - PG&E
Daryl Petrarca - AdaPT
David Carson - Bell & Ingram, P.S.
Desiree Gould - Skykomish School Superintendent
Gary West - Skykomish Resident
John Robinson - US Forest Service
Michael Moore - Skykomish Environmental Coalition
Ron Timm - Ecology
Tom Bean - King County
Mike Byers, Steve Howard, Dan Berlin, Joyce Sheldon, Denell Warren, File BN050-19390 - RETEC



November 20, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending November 17, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending November 17, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed descriptions of any deviations from the Order and project plans
- Descriptions of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule.

Activities

- Soil Handling:
 - All applicable BMPs are being used to control non-point source water pollution consistent with WAC 173-201A-510(3) and RCW 90.48.080
 - Trains were received and loaded daily with excavated materials for off-site disposal
- Restoration:
 - D. B. Davis moved all five houses on Monday, November 13. Foundations were poured at the Mackner and Mitchell west houses. Form work for the Teaherage foundation was also performed.
 - Heaters and dehumidifiers were operated in the houses during daytime hours
 - The joint utility trench design was completed

- Levee retaining wall design is in progress
- Monitoring:
 - Noise monitoring continued at the school and railyard
 - Ecology approval to discontinue in-river water quality monitoring was received; monitoring was subsequently discontinued
- Document Preparation and Reporting:
 - Weekly progress report submitted to Ecology on November 13
 - Turbidity mitigation plan submitted to Ecology and Washington Dept. of Fish and Wildlife
 - DMR submitted to Ecology on November 15
- Dewatering and Water Treatment:
 - Stormwater that fell on the soil stockpile area continued to be treated and discharged to the railyard ground surface per draft Exhibit J of the AO
- Meetings and Conference Calls
 - Meeting held between RETEC and Ecology on November 13 to discuss DCAP and future phases of work
 - Weekly construction meeting held in Skykomish between Wilder and RETEC, Tuesday, November 14
 - Weekly meeting, scheduled for November 14, with Ecology in Skykomish was cancelled
 - Meeting held between RETEC, BNSF, Ecology and Town of Skykomish (Clint Stanovsky) on November 16
 - Meeting in Skykomish on November 17 between RETEC, PSE, Verizon, Wilder and Town of Skykomish to discuss final Joint Utility Trench design.

Activities scheduled for the week of November 20 include:

- Obtain Ecology's approval and Amended Agreed Order to allow continued treatment and discharge of stormwater to the land surface on the railyard

Ms. Bardy
November 20, 2006
Page 3

- Continue loading and transporting materials off-site for disposal as trains are available
- Continue to coordinate with Town on restoration items including levee retaining wall
- Prepare and pour remaining foundations
- Begin work on retaining wall if design has been completed
- Continue operating heaters and dehumidifiers in the temporarily relocated houses
- Move Mackner garage
- Weekly construction meeting in Skykomish between RETEC and Wilder – Tuesday November 21
- Weekly meeting in Skykomish between RETEC and Ecology – Tuesday November 21
- Continue noise monitoring
- Initiate monitoring required by draft Exhibit J to the Agreed Order.

Deviations

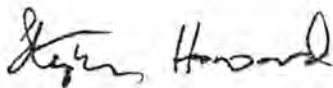
There are no deviations from the Order and project plans to report.

Schedule

BNSF submitted a letter to Ecology requesting extension of two of the deadlines listed in Exhibit E – Schedule, to the Work Plan. BNSF requested that the December 1 deadline to have houses ready for occupancy be extended to December 9, and that the December 15 deadline to have residents moved back into their houses be extended until December 23.

Sincerely,

The RETEC Group, Inc.



Stephen Howard
Senior Hydrogeologist

Ms. Bardy
November 20, 2006
Page 4

cc: Susan Lee – Ecology
Angie Thomson, Penny Mabie, Hillary Johnson – Enviroissues
Bruce Sheppard – BNSF
Chris Yates, Clint Stanovsky – Town of Skykomish
Craig Trueblood – PG&E
Daryl Petrarca – AdaPT
David Carson – Bell & Ingram, P.S.
Desiree Gould – Skykomish School Superintendent
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John Robinson – US Forest Service
Michael Moore – Skykomish Environmental Coalition
Ron Timm – Ecology
Tom Bean – King County
Mike Byers, Halah Voges, Dan Berlin, Joyce Sheldon, Denell Warren, File BN050-19390 – RETEC



November 20, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending November 17, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending November 17, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed descriptions of any deviations from the Order and project plans
- Descriptions of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule.

Activities

- Soil Handling:
 - All applicable BMPs are being used to control non-point source water pollution consistent with WAC 173-201A-510(3) and RCW 90.48.080
 - Trains were received and loaded daily with excavated materials for off-site disposal
- Restoration:
 - D. B. Davis moved all five houses on Monday, November 13. Foundations were poured at the Mackner and Mitchell west houses. Form work for the Teacherage foundation was also performed.
 - Heaters and dehumidifiers were operated in the houses during daytime hours
 - The joint utility trench design was completed

- Levee retaining wall design is in progress
- Monitoring:
 - Noise monitoring continued at the school and railyard
 - Ecology approval to discontinue in-river water quality monitoring was received; monitoring was subsequently discontinued
- Document Preparation and Reporting:
 - Weekly progress report submitted to Ecology on November 13
 - Turbidity mitigation plan submitted to Ecology and Washington Dept. of Fish and Wildlife
 - DMR submitted to Ecology on November 15
- Dewatering and Water Treatment:
 - Stormwater that fell on the soil stockpile area continued to be treated and discharged to the railyard ground surface per draft Exhibit J of the AO
- Meetings and Conference Calls
 - Meeting held between RETEC and Ecology on November 13 to discuss DCAP and future phases of work
 - Weekly construction meeting held in Skykomish between Wilder and RETEC, Tuesday, November 14
 - Weekly meeting, scheduled for November 14, with Ecology in Skykomish was cancelled
 - Meeting held between RETEC, BNSF, Ecology and Town of Skykomish (Clint Stanovsky) on November 16
 - Meeting in Skykomish on November 17 between RETEC, PSE, Verizon, Wilder and Town of Skykomish to discuss final Joint Utility Trench design.

Activities scheduled for the week of November 20 include:

- Obtain Ecology's approval and Amended Agreed Order to allow continued treatment and discharge of stormwater to the land surface on the railyard

Ms. Bardy
November 20, 2006
Page 3

- Continue loading and transporting materials off-site for disposal as trains are available
- Continue to coordinate with Town on restoration items including levee retaining wall
- Prepare and pour remaining foundations
- Begin work on retaining wall if design has been completed
- Continue operating heaters and dehumidifiers in the temporarily relocated houses
- Move Mackner garage
- Weekly construction meeting in Skykomish between RETEC and Wilder – Tuesday November 21
- Weekly meeting in Skykomish between RETEC and Ecology – Tuesday November 21
- Continue noise monitoring
- Initiate monitoring required by draft Exhibit J to the Agreed Order.

Deviations

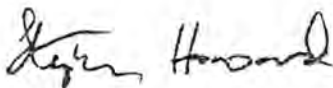
There are no deviations from the Order and project plans to report.

Schedule

BNSF submitted a letter to Ecology requesting extension of two of the deadlines listed in Exhibit E – Schedule, to the Work Plan. BNSF requested that the December 1 deadline to have houses ready for occupancy be extended to December 9, and that the December 15 deadline to have residents moved back into their houses be extended until December 23.

Sincerely,

The RETEC Group, Inc.



Stephen Howard
Senior Hydrogeologist

Ms. Bardy
November 20, 2006
Page 4

cc: Susan Lee – Ecology
Angie Thomson, Penny Mabie, Hillary Johnson – Enviroissues
Bruce Sheppard – BNSF
Chris Yates, Clint Stanovsky – Town of Skykomish
Craig Trueblood – PG&E
Daryl Petrarca – AdaPT
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Michael Moore – Skykomish Environmental Coalition
Ron Timm – Ecology
Tom Bean – King County
Mike Byers, Halah Voges, Dan Berlin, Joyce Sheldon, Denell Warren, File BN050-19390 – RETEC



November 27, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending November 24, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending November 24, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed descriptions of any deviations from the Order and project plans
- Descriptions of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule.

Activities

- Soil Handling:
 - Trains were received and loaded with excavated materials for off-site disposal, however train service was disrupted somewhat due to a derailment in Everett, WA.
- Restoration:
 - Foundations were poured at the Teacherage and Moore house; part of the Mitchell east house foundation was poured.
 - Heaters and dehumidifiers were operated in the houses during daytime hours
 - Levee retaining wall design is in progress
- Monitoring:

- Limited noise monitoring was performed at the school and railyard due to the Thanksgiving holiday and short work week.
 - Discharge monitoring of the water treatment system on the railyard was performed in accordance with Exhibit J of the AO.
- Document Preparation and Reporting:
 - Weekly progress report submitted to Ecology on November 20
 - Amendments to the Agreed Order (modified Exhibit E and new Exhibit J) were received from Ecology approving discharge of treated wastewater to the ground surface on the railyard and approving BNSF's schedule extension request.
- Dewatering and Water Treatment:
 - Stormwater that fell on the soil stockpile area continued to be treated and discharged to the railyard ground surface per Exhibit J of the AO
- Meetings and Conference Calls
 - Weekly construction meeting held in Skykomish between Wilder and RETEC, Tuesday, November 21 at 10:00 am
 - Pre-construction meeting between King County (Ken Elliott), Craig Shuck (septic system designer) and Ken Jones (drainfield installer) re: construction of drainfields was held on Tuesday, November 21 at 1:00 pm

Activities scheduled for the week of November 27 include:

- Continue loading and transporting materials off-site for disposal as trains are available
- Continue to coordinate with Town on restoration items including levee retaining wall
- Pour foundation walls for Mitchell east house
- Begin work on retaining wall if design has been completed
- Continue operating heaters and dehumidifiers in the temporarily relocated houses
- Move Mackner garage
- Construct drainfields
- Construct joint utility trench

Ms. Bardy
November 27, 2006
Page 3

- Weekly construction meeting in Skykomish between RETEC and Wilder – Tuesday November 28
- Continue noise monitoring
- Continue discharge monitoring required by Exhibit J to the Agreed Order
- DCAP discussion meeting, Thursday, November 30 at Ecology's NWRO at 9:30 am

Deviations

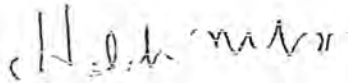
There are no deviations from the Order and project plans to report.

Schedule

Ecology has approved BNSF's request to extend deadlines listed in Exhibit E of the AO related to returning residents to their houses. The current schedule is to have houses ready for occupancy by December 9 and to have residents moved back into their houses by December 23.

Sincerely,

The RETEC Group, Inc.



Halah M. Voges, P.E.
Senior Program Manager

cc: Susan Lee – Ecology
Angie Thomson, Penny Mabie, Hillary Johnson – Enviroissues
Bruce Sheppard – BNSF
Chris Yates, Clint Stanovsky – Town of Skykomish
Craig Trueblood – PG&E
Daryl Petrarca – AdaPT
David Carson – Bell & Ingram, P.S.
Desiree Gould – Skykomish School Superintendent
Gary West – Skykomish Resident
John Robinson – US Forest Service
Michael Moore – Skykomish Environmental Coalition
Ron Timm – Ecology

Ms. Bardy
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Page 4

Tom Bean – King County
Mike Byers, Steve Howard, Dan Berlin, Joyce Sheldon, Denell Warren, File BN050-
19390 – RETEC



December 4, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending December 1, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending December 1, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed descriptions of any deviations from the Order and project plans
- Descriptions of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule.

Activities

- Soil Handling:
 - Trains were received and loaded with excavated materials for off-site disposal on a daily basis, however the number of cars received was variable. Development of a contingency plan for transporting material off site for disposal by March 30, 2007 was initiated.
- Restoration:
 - The Mackner, Moore, and Mitchell west houses and the Teacherage were placed on their foundations. The remainder of the Mitchell east foundation was poured.
 - Heaters and dehumidifiers were operated in the houses 24-hours a day.
 - Levee retaining wall design is in progress.
 - Conduit for the joint utility trench was received on site.

- Monitoring:
 - Noise monitoring was performed at the school and railyard.
- Document Preparation and Reporting:
 - Weekly progress report submitted to Ecology on November 27
- Dewatering and Water Treatment:
 - Stormwater that fell on the soil stockpile area continued to be treated and discharged to the railyard ground surface per Exhibit J of the AO; however, the system did not operate the majority of the week due to freezing temperatures.
- Meetings and Conference Calls
 - Weekly construction meeting held in Skykomish between Wilder and RETEC, Tuesday, November 28 at 10:00 am
 - DCAP discussion meeting was held between BNSF and Ecology on Thursday, Nov 30 at 9:30 am at Ecology's NWRO
 - DCAP technical meeting between BNSF representatives and Ecology on Friday, Dec 1 at 9:30 am at Ecology's NWRO

Activities scheduled for the week of December 4 include:

- Continue loading and transporting materials off-site for disposal as trains are available
- Continue to coordinate with Town on restoration items including levee retaining wall
- Place Mitchell east house on its foundation
- Begin work on retaining wall if design has been completed
- Continue operating heaters and dehumidifiers in the temporarily relocated houses
- Move Mackner garage
- Construct drainfields
- Construct joint utility trench
- Weekly construction meeting in Skykomish between RETEC and Wilder – Tuesday December 5

Ms. Bardy
December 4, 2006
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- Continue noise monitoring
- Continue discharge monitoring required by Exhibit J to the Agreed Order
- Continue preparation of contingency plan to transport material off site for disposal by March 30, 2007

Deviations

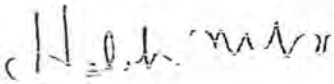
There are no deviations from the Order and project plans to report.

Schedule

At this time, no deviations are anticipated from the schedule in Exhibit E of the Agreed Order.

Sincerely,

The RETEC Group, Inc.



Halal M. Voges. P.E.
Senior Program Manager

cc: Susan Lee – Ecology
Angie Thomson, Penny Mabie, Hillary Johnson – Enviroissues
Bruce Sheppard – BNSF
Chris Yates, Clint Stanovsky – Town of Skykomish
Craig Trueblood – PG&E
Daryl Petrarca – AdaPT
David Carson – Bell & Ingram, P.S.
Desiree Gould – Skykomish School Superintendent
Gary West – Skykomish Resident
John Robinson – US Forest Service
Michael Moore – Skykomish Environmental Coalition
Ron Timm – Ecology
Tom Bean – King County
Mike Byers, Steve Howard, Dan Berlin, Joyce Sheldon, Denell Warren, File BN050-19390 – RETEC



December 11, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending December 8, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending December 8, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed descriptions of any deviations from the Order and project plans
- Descriptions of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule.

Activities

- Soil Handling:
 - Trains were received and loaded with excavated materials for off-site disposal on a daily basis, except for Saturday. It is estimated that 20 train loads of material remain to be transported off site.
- Restoration:
 - Foundation work was completed at the Mitchell east house.
 - Columns for porches were constructed.
 - The joint utility trench was largely completed. A PSE inspector was on site all week. Plumbing of water lines to the houses was completed.
 - Septic tanks were installed at the Moore, Mitchell and Mackner houses.
 - Heaters and dehumidifiers were operated in the houses 24-hours a day.

- Levee retaining wall design is in progress.
- Monitoring:
 - Noise monitoring was performed at the school and railyard.
- Document Preparation and Reporting:
 - Weekly progress report submitted to Ecology on December 4.
- Dewatering and Water Treatment:
 - The water treatment system on the railyard was on standby since there has been no run off from the stockpile area due to freezing conditions.
- Meetings and Conference Calls
 - Weekly construction meeting held in Skykomish between Wilder and RETEC, Tuesday, December 5 at 10:00 am

Activities scheduled for the week of December 11 include:

- Continue loading and transporting materials off-site for disposal as trains are available
- Place Mitchell east house on its foundation and pour concrete for basement floor
- Verizon inspector will be contacted. It is expected that Verizon and Potelco will install their lines in the conduit. Connections from the joint utility trench to individual houses for phone, water and electrical service will be installed. Wilder will dig trenches as necessary. Town will install water meters at each of the houses.
- Houses will be cleaned in preparation for return of residents
- Front porch steps will be constructed
- Begin work on retaining wall if design has been completed and it is determined that it can be completed this winter. If not, the levee will be fortified per discussions with Town.
- Continue operating heaters and dehumidifiers in the temporarily relocated houses
- Construct drainfields
- Weekly construction meeting in Skykomish between RETEC and Wilder – Tuesday December 12

Ms. Bardy
December 11, 2006
Page 3

- Continue noise monitoring
- Continue discharge monitoring required by Exhibit J to the Agreed Order. Submit DMRs required by NPDES permit and Exhibit J of the Agreed Order.
- Continue preparation of contingency plan to transport material off site for disposal by March 30, 2007 as necessary based on predicted shipment rate

Deviations

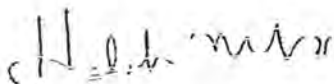
There are no deviations from the Order and project plans to report.

Schedule

BNSF requested an extension of the December 9 deadline to have houses ready for occupancy to December 18. It was not possible to meet the December 9 deadline due to several factors. Joint utility trench construction was delayed because the Verizon design was received later than anticipated. Also, the permit for the Moore septic system was not signed until December 6, delaying installation of septic systems. Based on our current schedule, we plan to have utility hookups completed by December 18 at which time the relocated houses will be ready for occupancy. Plans to move residents back into their houses by December 23 remain on schedule.

Sincerely,

The RETEC Group, Inc.



Halal M. Voges. P.E.
Senior Program Manager

cc: Susan Lee – Ecology
Angie Thomson, Penny Mabie, Hillary Johnson – Enviroissues
Bruce Sheppard – BNSF
Chris Yates, Clint Stanovsky – Town of Skykomish
Craig Trueblood – PG&E
Daryl Petrarca – AdaPT
David Carson – Bell & Ingram, P.S.
Desiree Gould – Skykomish School Superintendent
Gary West – Skykomish Resident

Ms. Bardy
December 11, 2006
Page 4

John Robinson – US Forest Service
Michael Moore – Skykomish Environmental Coalition
Ron Timm – Ecology
Tom Bean – King County
Mike Byers, Steve Howard, Dan Berlin, Joyce Sheldon, Denell Warren, File BN050-
19390 – RETEC



December 18, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending December 18, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending December 15, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed descriptions of any deviations from the Order and project plans
- Descriptions of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule.

Activities

- Soil Handling:
 - Trains were received and loaded with excavated materials for off-site disposal four out of six days due to adverse weather conditions and closure of the main railroad line due to land slides.
- Restoration:
 - Plumbing work was completed at the all five houses.
 - Septic drain fields were installed at the Moore and Mitchell houses. Work continues on the others.
 - Steel beams were removed from all of the houses, and interior repairs were completed. Structural repairs are in progress at the Teacherage and D.B. Davis is awaiting approval from the school board to complete dry rot repairs.

- The Mackner, Moore and Mitchell west houses were cleaned in preparation for the return of residents.
 - Heaters and dehumidifiers were operated in the houses 24-hours a day.
 - We are awaiting hook up of electrical and phone connections by Potelco and Verizon, respectively. Regional power outages due to adverse weather conditions are expected to delay hook ups and Labor and Industries inspections of electrical connections.
 - RETEC met with Wilder Construction, their levee retaining wall design engineers (Melbor-Pita) and the Town to discuss levee retaining wall design issues. Based on direction provided at the meeting, Melbor-Pita is completing the retaining wall design. The crest of levee averages 6-8 feet above ground surface. It performed very well during the November flood. It will be determined within the next week if the design is near complete to allow placement of the bottom course of blocks prior to Christmas. If the Town, RETEC and the designers determine there are too many design hurdles remaining (e.g., appearance of stairs) , then wall construction can not begin soon and we will schedule additional fill to be placed so that the levee width is increased for the winter.
- Monitoring:
 - Noise monitoring was performed at the school and railyard. Permission was requested and received from Ecology to discontinue noise monitoring starting Friday, Dec. 22.
- Document Preparation and Reporting:
 - Weekly progress report submitted to Ecology on December 11.
 - Submitted notification of noncompliance with stockpile runoff discharge limits (high pH) to Ecology.
 - Submitted NDPES DMR and DMR for stockpile runoff to Ecology.
- Dewatering and Water Treatment:
 - The water treatment system on the railyard was operated Thursday and Friday to treat stockpile runoff. The system was operated in recirculation mode and water was treated with muratic acid to lower the pH prior to discharge. It was not possible to collect and analyze (within holding time requirements) a discharge sample for laboratory analysis due to road and analytical laboratory closures. Some water was held in the discharge tank to allow sampling next week.

- Meetings and Conference Calls
 - Weekly construction meeting held in Skykomish between Wilder and RETEC, Wednesday, December 13 at 10:00 am
 - DCAP discussion meeting with Ecology at 9:30 am at Ecology's NWRO on December 14.
 - EIS discussion meeting with Ecology at 10:30 am at RETEC's Seattle office on December 15

Activities scheduled for the week of December 18 include:

- Continue loading and transporting materials off-site for disposal as trains are available
- Schedule electrical and telephone hook-ups as soon as possible.
- Clean the remaining two houses: Teacherage and Mitchell east.
- Install drain field at Mackner house and septic tank at the Teacherage.
- Complete basement slab at the Mitchell west house and parking slab at the Mackner house.
- Begin work on retaining wall if design has been completed and it is determined that it can be completed this winter. If not, the levee will be fortified per discussions with Town.
- Continue operating heaters and dehumidifiers in the temporarily relocated houses
- Weekly construction meeting in Skykomish between RETEC and Wilder – Tuesday December 19
- Continue noise monitoring through Thursday, Dec. 21. Argus Pacific will dismantle noise monitors and weather station on Friday, Dec. 22.
- Continue discharge monitoring required by Exhibit J to the Agreed Order. Submit DMRs required by NPDES permit and Exhibit J of the Agreed Order.
- Continue preparation of contingency plan to transport material off site for disposal by March 30, 2007 as necessary based on predicted shipment rate.

Deviations

There are no deviations from the Order and project plans to report.

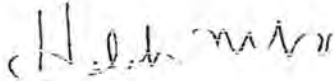
Ms. Bardy
December 18, 2006
Page 4

Schedule

BNSF will request an extension of the December 9¹ deadline to have "Temporarily relocated homes ready for occupancy" and the December 23 deadline to "Complete moving residents back into houses". Unfortunately, due to adverse weather and related power outages and road closures, it will not be possible to meet the specified deadlines. Potelco can not at this time guarantee to have power connections made by the end of the year. Therefore, BNSF will request extension of the deadline to have houses ready for occupancy to January 6, and the deadline for having residents moved back in to January 12. Our ability to meet this schedule is dependent on Potelco and Verizon, and the Labor & Industries inspection of the power connections. Please note, inspections are only performed on Wednesdays.

Sincerely,

The RETEC Group, Inc.



Halal M. Voges. P.E.
Senior Program Manager

cc: Susan Lee – Ecology
Angie Thomson, Penny Mabie, Hillary Johnson – Enviroissues
Bruce Sheppard – BNSF
Chris Yates, Clint Stanovsky – Town of Skykomish
Craig Trueblood – PG&E
Daryl Petrarca – AdaPT
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Tom Bean – King County
Mike Byers, Steve Howard, Dan Berlin, Joyce Sheldon, Denell Warren, File BN050-19390 – RETEC

¹ On December 8, 2006, BNSF requested extension of the December 9 deadline to December 18 8, 2006, but did not receive a response from Ecology.



December 27, 2006

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending December 22, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending December 22, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed descriptions of any deviations from the Order and project plans
- Descriptions of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule.

Activities

- Soil Handling:
 - Trains were received and loaded with excavated materials for off-site disposal six out of seven days.
- Restoration:
 - Walk through inspections of the Mackner House, the Moore House and the Teacherage were conducted.
 - Water hooked up to all houses except for the town's meters. We have not put water into the houses until there is power so that water pipes do not freeze.
 - Heaters and dehumidifiers were operated in the houses 24-hours a day.
 - We are awaiting hook up of electrical and phone connections by Potelco and Verizon, respectively. Regional power outages due to adverse weather conditions have delayed hook ups. We are currently waiting for a final connection date

from Verizon. PSE (Potelco) have been unable to provide a firm schedule for connecting power; the best schedule they have given is that the power will be connected "after the first of the year."

- Washington L&I conducted an electrical inspection; the trenches and conduits are fine.
- Levee retaining wall design will be prepared by early January. If the Town, RETEC and the designers determine there are too many design hurdles remaining (e.g., appearance of stairs), then wall construction can not begin soon and we will schedule additional fill to be placed so that the levee width is increased for the winter.
- Monitoring:
 - Noise monitoring was performed through Friday, Dec. 22.
- Document Preparation and Reporting:
 - Weekly progress report submitted to Ecology on December 18.
 - Submitted air and noise monitoring reports for weeks 22 and 23, and noise reports for weeks 24 through 27 to Ecology.
 - RETEC received complete draft HABS/HAER documentation for the Teacherage and partially completed documentation for the Mackner and Moore houses; this documentation is currently under review.
 - Received copy of Ecology response to DAHP and King County Historic Preservation Office comments on the Cultural Resource Assessment and Cultural Resources Technical Memorandum.
- Dewatering and Water Treatment:
 - The water treatment system on the railyard was operated on 12/20 to treat stockpile runoff; a sample was collected at this time.
- Meetings and Conference Calls
 - Weekly construction meeting held in Skykomish between Wilder and RETEC, Wednesday, December 20 at 10:00 am

Activities scheduled for the week of December 25 include the following items¹:

- Washington L&I will inspect the electrical systems on December 27 and hope to get the houses cleared for occupancy; there may be one more inspection that has to occur after power has been re-established.
- Continue loading and transporting materials off-site for disposal as trains are available; anticipate loading five out of seven days.
- Schedule electrical and telephone hook-ups as soon as possible.
- Schedule installation of water meters on the houses with the Town.
- Inspection of septic systems on December 28 using generators to power the pumps so that they can be checked; this inspection will enable us to cover the drainfields and proceed with everything short of occupancy. An additional inspection will be required once the power is on to certify the drainfields ready for use.
- Surveying and resetting the property corners that were removed due to site grading activities.
- Complete Mitchell house basement slab and Mitchell garage (interior) slab. Additional concrete pouring has been rescheduled to early January due to the weather.
- Continue operating heaters and dehumidifiers in the temporarily relocated houses
- Continue discharge monitoring required by Exhibit J to the Agreed Order.
- Continue preparation of contingency plan to transport material off site for disposal by March 30, 2007 as necessary based on predicted shipment rate.

Deviations

There are no deviations from the Order and project plans to report.

Schedule

BNSF requested an extension of the December 9² deadline to have "Temporarily relocated homes ready for occupancy" and the December 23 deadline to "Complete moving residents back into houses". Unfortunately, due to adverse weather and related power outages and road closures, it was not possible to meet the specified deadlines. Potelco have not been able

¹ Note that there was 9-inches of snow in Skykomish on December 25 and much of the work scheduled for the week is weather-dependent.

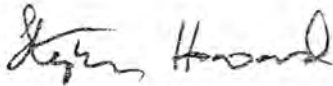
² On December 8, 2006, BNSF requested extension of the December 9 deadline to December 18 8, 2006, but did not receive a response from Ecology.

Ms. Bardy
December 27, 2006
Page 4

guarantee to have power connections made by the end of the year. Therefore, BNSF requested extension of the deadline to have houses ready for occupancy to January 6, and the deadline for having residents moved back in to January 12. Our ability to meet this schedule is dependent on Potelco and Verizon, and the Labor & Industries inspection of the power connections. Please note, inspections are only performed on Wednesdays.

Sincerely,

The RETEC Group, Inc.

A handwritten signature in black ink, appearing to read "Stephen Howard". The signature is fluid and cursive, with the first name "Stephen" and last name "Howard" clearly distinguishable.

Stephen Howard
Senior Hydrogeologist

cc: Susan Lee – Ecology
Angie Thomson, Penny Mabie, Hillary Johnson – Enviroissues
Bruce Sheppard – BNSF
Chris Yates, Clint Stanovsky – Town of Skykomish
Craig Trueblood – PG&E
Daryl Petrarca – AdaPT
David Carson – Bell & Ingram, P.S.
Desiree Gould – Skykomish School Superintendent
Gary West – Skykomish Resident
John Robinson – US Forest Service
Michael Moore – Skykomish Environmental Coalition
Ron Timm – Ecology
Tom Bean – King County
Mike Byers, Halah Voges, Dan Berlin, Joyce Sheldon, Denell Warren, File BN050-19390 – RETEC



January 2, 2007

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending December 29, 2006
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending December 29, 2006 and provides:

- A list of activities that have taken place during the week
- Detailed descriptions of any deviations from the Order and project plans
- Descriptions of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule.

Activities

- Soil Handling:
 - Trains were received and loaded with excavated materials for off-site disposal five out of seven days
- Restoration:
 - Snow hampered work and some activities that had been scheduled for the week, e.g. concrete pouring
 - Surveying and resetting the property corners that were removed due to site grading activities.
 - Heaters and dehumidifiers were operated in the houses 24-hours a day.
 - Electrical power is still not connected. Potelco and PSE have been unable to provide a firm schedule for the work.

- Verizon will be scheduled to establish phone service when the electrical power restoration has been scheduled.
 - The interior school yard fence was removed following storm damage; the outer fence is still in place and intact.
 - The former water treatment system has been removed from the vicinity of the Shawver property.
- Document Preparation and Reporting:
 - Weekly progress report submitted to Ecology on December 27.
- Dewatering and Water Treatment:
 - No water was discharged or treated by the water treatment plan on the railyard.
- Meetings and Conference Calls
 - No meetings or conference calls were conducted during the week.

Activities scheduled for the week of January 2 include the following items:

- Washington L&I will inspect the electrical systems (postponed from previous week); there may be one additional inspection that has to occur after power has been re-established.
- Continue loading and transporting materials off-site for disposal as trains are available.
- Schedule electrical and telephone hook-ups as soon as possible.
- Drainfield pressure test on January 5 (postponed from previous week due to snow) using generators to power the pumps so that they can be checked; this inspection will enable us to cover the drainfields and proceed with everything short of occupancy. An additional inspection will be required once the power is on to certify the drainfields ready for use.
- Levee retaining wall design will be prepared by early January. If the Town, RETEC and the designers determine there are too many design hurdles remaining (e.g., appearance of stairs), then wall construction can not begin soon and we will schedule additional fill to be placed so that the levee width is increased for the winter.
- Curb and gutter construction scheduled for January 3 (weather permitting).

- Complete Mitchell west slab and basement slab, Moore garage slab, and Mackner garage slab (weather permitting).
- Conduct walk through inspection of the Mitchell house with the Mitchells on January 5.
- Continue operating heaters and dehumidifiers in the temporarily relocated houses
- Continue discharge monitoring required by Exhibit J to the Agreed Order.
- Continue preparation of contingency plan to transport material off site for disposal by March 30, 2007 as necessary based on predicted shipment rate.
- Weekly construction meeting between RETEC and Wilder – January 3.
- Meeting with Ecology – January 4.

Deviations

There are no deviations from the Order and project plans to report.

Schedule

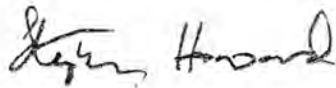
BNSF requested an extension of the December 9¹ deadline to have “Temporarily relocated homes ready for occupancy” and the December 23 deadline to “Complete moving residents back into houses”. Unfortunately, due to adverse weather and related power outages and road closures, it was not possible to meet the specified deadlines. Potelco have not been able guarantee to have power connections made by the end of the year. Therefore, on December 18, BNSF requested extension of the deadline to have houses ready for occupancy to January 6, and the deadline for having residents moved back in to January 12. Our ability to meet this schedule has been dependent on Potelco and Verizon, and the Labor & Industries inspection of the power connections. We have still been unable to schedule the power reconnections with Potelco and it is unlikely that we will be able to meet this revised schedule. We will continue our attempts to have the utilities reconnected as soon as possible; however, it may be necessary to further extend the deadlines.

¹ On December 8, 2006, BNSF requested extension of the December 9 deadline to December 18, 2006, but did not receive a response from Ecology.

Ms. Bardy
January 2, 2007
Page 4

Sincerely,

The RETEC Group, Inc.

A handwritten signature in black ink, appearing to read "Stephen Howard". The signature is fluid and cursive, with the first name "Stephen" and last name "Howard" clearly distinguishable.

Stephen Howard
Senior Hydrogeologist

cc: Susan Lee – Ecology
Angie Thomson, Penny Mabie, Hillary Johnson – Enviroissues
Bruce Sheppard – BNSF
Chris Yates, Clint Stanovsky – Town of Skykomish
Craig Trueblood – PG&E
Daryl Petrarca – AdaPT
David Carson – Bell & Ingram, P.S.
Desiree Gould – Skykomish School Superintendent
Gary West – Skykomish Resident
John Robinson – US Forest Service
Michael Moore – Skykomish Environmental Coalition
Ron Timm – Ecology
Tom Bean – King County
Mike Byers, Halah Voges, Dan Berlin, Joyce Sheldon, Denell Warren, File BN050-19390 – RETEC



January 8, 2007

Louise Bardy
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**RE: Weekly Progress Report for Week Ending January 5, 2007
BNSF Skykomish Levee Zone Interim Action for Cleanup**

Dear Louise:

This weekly progress report is submitted on behalf of BNSF Railway Company (BNSF) per Agreed Order No. DE 3279 for the week ending January 5, 2007 and provides:

- A list of activities that have taken place during the week
- Detailed descriptions of any deviations from the Order and project plans
- Descriptions of all deviations from the schedule and any planned deviations in the upcoming week, and plans for recovering lost time and maintaining compliance with the schedule.

Activities

- Soil Handling:
 - Trains were received and loaded with excavated materials for off-site disposal five out of seven days; however, incomplete sets of cars were delivered 2 of the 5 days. Therefore, approximately 3.5 train loads of material were hauled out.
- Restoration:
 - Pouring of concrete curb and gutter was initiated. Snow hampered ability to pour concrete aprons and delayed completion of curb and gutter.
 - Heaters and dehumidifiers were operated in the houses 24-hours a day.
 - Electrical power is still not connected. Potelco and PSE are currently scheduled to connect power on Thursday, January 11.
 - Verizon will be scheduled to establish phone service as soon as possible.

- A walk through inspection of the Mitchell houses was conducted with the Mitchell's on January 5.
 - Washington L&I inspected all houses except the Mitchell east house; the 4 houses passed the inspections.
 - King County inspection and pressure testing of septic systems were performed.
- Document Preparation and Reporting:
 - Weekly progress report submitted to Ecology on January 2.
 - A contingency plan was submitted to Ecology for transporting material off-site for disposal by March 30, 2007.
 - BNSF requested an extension of the January 6 and 12 deadlines¹ to have "Temporarily relocated homes ready for occupancy" and to "Complete moving residents back into houses" until January 31, 2007. Due to adverse weather conditions in December 2006 and related power outages, PSE/Potelco was not able to connect power to the houses in time to meet the January 6 and 12 deadlines.
 - Continued work on revisions to site-wide Groundwater Monitoring Plan due January 15.
- Dewatering and Water Treatment:
 - No water was discharged or treated by the water treatment plan on the railyard.
- Meetings and Conference Calls
 - A DCAP discussion meeting was held on January 4 at Ecology's NWRO and was attended by Ecology, BNSF and Town representatives.

Activities scheduled for the week of January 8 include the following items:

- The remaining Washington L&I inspection of electrical systems at the Mitchell east house is scheduled for Wednesday, January 10.
- Continue loading and transporting materials off-site for disposal as trains are available.

¹ Deadlines specified in Ecology's letter to BNSF dated December 21, 2006.

- Electrical hook-ups are scheduled to be installed on Thursday, January 11, but this schedule is dependent on weather conditions and PSE/Poteleco. Telephone hook-ups will be scheduled as soon as possible.
- Schedule final inspection of septic systems by King County.
- Levee retaining wall design will be prepared by early January. If the Town, RETEC and the designers determine there are too many design hurdles remaining (e.g., appearance of stairs), then wall construction can not begin soon and we will schedule additional fill to be placed so that the levee width is increased for the winter.
- Curb, gutter and concrete apron construction scheduled for completion week of January 8 (weather permitting).
- Complete Mitchell west slab and basement slab, Moore garage slab, and Mackner garage slab (weather permitting).
- Continue operating heaters and dehumidifiers in the temporarily relocated houses.
- Continue discharge monitoring required by Exhibit J to the Agreed Order. Prepare NDPES DMR and DMR for stockpile stormwater discharge for submittal to Ecology on January 15.
- Weekly construction meeting between RETEC and Wilder – January 10.
- Meeting with Ecology – January 9.
- Complete draft revisions to Groundwater Monitoring Plan due to Ecology January 15.

Deviations

There are no deviations from the Order and project plans to report.

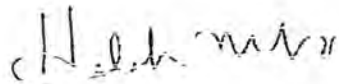
Schedule

BNSF requested an extension of the January 6 and 12 deadlines to have “Temporarily relocated homes ready for occupancy” and to “Complete moving residents back into houses” until January 31, 2007. Unfortunately, due to adverse weather and related power outages PSE/Potelco was not able to install electrical connections in time to meet the specified deadlines. PSE/Potelco is currently scheduled to install electrical hook-ups on Thursday, January 11 and we hope to move residents back shortly thereafter.

Ms. Bardy
January 8, 2007
Page 4

Sincerely,

The RETEC Group, Inc.

A handwritten signature in black ink, appearing to read 'H. M. Voges'.

Halal M. Voges, P.E.
Senior Program Manager

cc: Susan Lee – Ecology
Angie Thomson, Penny Mabie, Hillary Johnson – Enviroissues
Bruce Sheppard – BNSF
Chris Yates, Clint Stanovsky – Town of Skykomish
Craig Trueblood – PG&E
Daryl Petrarca – AdaPT
David Carson – Bell & Ingram, P.S.
Desiree Gould – Skykomish School Superintendent
Gary West – Skykomish Resident
John Robinson – US Forest Service
Michael Moore – Skykomish Environmental Coalition
Ron Timm – Ecology
Tom Bean – King County
Mike Byers, Steve Howard, Dan Berlin, Joyce Sheldon, Denell Warren, File BN050-19390 – RETEC

Appendix B
Construction Daily Reports

Report

Date: 6/8/06 (Thursday)	The BNSF Skykomish, Washington Levee Remediation Project
Temp: 60's	
Weather: Cloudy and mildly cool, with intermittent misty rain.	
Rainfall: Trace	Phone: NA Fax: NA

Summary of Field Activities

0600 - Travel from Seattle to Skykomish, WA.
0730 - I arrived at the BNSF Project Site in Skykomish, Washington.
-Site tour by Mike Byers
Electrician connecting the new trailers to the power panel - no Electrical power drop yet.
Crew preparing the water treatment pad.
Clearcreek Environmental supervisor and 2-man crew on site to begin the demolition of the house for the access road.
Clearcreek supervisor left the site after going over the job with the crew and performing the safety meeting.
1030-Clearwater crew began the demolition, but halted due to dust issues, and made water connection preparations from the former house's water meter.
1130-Liner crew arrived and began installing the liner for the water treatment pad area.
1300-Clearcreek crew made the water connection, but needed the City Utility person to replace the meter.
- Clearcreek demolishing the house.
(1430) - Finished knocking down the house, but continued breaking apart the walls in preparation for loading out the debris tomorrow.
- crew placing and grading material on the water treatment liner in preparation for paving tomorrow.
Mike and I inspected the rental house to see what furniture was needed.
Mike showed me the second rental house located on 3rd Street.
Returned to the BNSF/RETEC house office - making phone calls.
Out-going call (O-call) to Sarah /RETEC to determine how much soil sample was needed for profiling and the lab contact for shipping information.
I checked with local Post Office Postmaster regarding mail options.
1730 - Clearcreek crew off site for the day.
Mike Byers leaving the site and returning to Seattle.
Crew continued placing, grading and compacting the base material at the water treatment area.
1830 - Crew off site.

Upcoming Work

Load out the house debris.
Pave the water treatment pad.
Continue installing the temporary fencing at the BNSF rail-yard staging area.
Locate the school drainage piping for placing the temporary fencing.

Summary of RETEC Labor

Mike Byers	Visitor:
Dennis Metz	Visitor:

Other Site Activity

SAFETY/ISSUES MEETINGS

DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)

Base and road materials imported to the RR-Yard staging area.

MEETINGS HELD

None

MONITORING PERFORMED

None

STAKEHOLDER/MEDIA ISSUES

None

TESTING PERFORMED

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VEHICULAR INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

None

Volume of Water Treated: 0 gallons

Total Discharged to Date: 0 gallons

Date: 6/8/06

Completed by: Dennis Metz

Report

Date: 6/9/06 (Friday) Temp: 50-60's Weather: Mostly cloudy and mildly cool. Rainfall: 0	The BNSF Skykomish, Washington Levee Remediation Project Phone: NA Fax: NA
Summary of Field Activities	
0700 – Wilder H&S meeting at construction trailer. 0730-Clearcreek crew arrived to begin loading out the house demolition debris. Haul truck with 8-ft high container on site accept the debris. Clearcreek crew had to remove the tree located a the south side of the property to make room for the truck/container. The wires on the north side of the property were too low for the truck/container to fit under. Wilder crew finishing up the base rock work at the Water Treatment Plant pad, preparing for asphaltting later this morning. (0900)- O-call Mike Byers – discussed the soils samples needed at the RR-Yard staging area.	
Upcoming Work	
Finish loading out the house debris on Monday. Continue backfilling, grading and compacting the import materials at the BNSF rail-yard staging area. Locate the school drainage piping and field verify location.	
Summary of RETEC Labor	
Dennis Metz	Visitor:
	Visitor:
Other Site Activity	
SAFETY/ISSUES MEETINGS Reminded the Wilder crew that the Levee Area is still BNSF work and the PPE rules apply.	
DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site) Base and road materials imported to the RR-Yard staging area.	
MEETINGS HELD None	
MONITORING PERFORMED None	
STAKEHOLDER/MEDIA ISSUES None	
TESTING PERFORMED None	

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

No work this Saturday.

Volume of Water Treated: 0 gallons

Total Discharged to Date: 0 gallons

Date: 6/8/06

Completed by: Dennis Metz

Report

Date: 6-12-06 (Monday)	The BNSF Skykomish, Washington
Temp: 60's	
Weather: Mostly cloudy and mild.	Levee Remediation Project
Rainfall: 0.25 inches	Phone: Fax:

Summary of Field Activities

0700- Wilder H&S meeting at trailers.

- Wilder importing material, backfilling, and grading the RR-Yard Staging Area in preparation for the liner
- Wilder crew removing the fencing along the south side of the RR-Yard staging area
- Wilder crew cutting old railroad rail and installing along the truck dump wall in RR-Yard Stockpile staging area
- Clearcreek loaded out the remaining debris from house demolition
- Argus technician is on site performing the air monitoring
- Rain-for-Rent delivering water tanks for Water Treatment Plant (WTP) – Wilder had them stage them north of the school
- Clearcreek operator vacuumed out the fuel tank behind the Teacherage house.
- Wilder crewman out with the GPS unit in the school yard to layout the fencing alignment and septic tank line location.
- Wilder crew field verifying the school septic line location by hand digging pot holes.
- Mike Cabe and Wilder crewman laying out the WTP pad

Weather: Beginning to rain

- Rain-for-Rent delivered two last water tanks and stage along 5th St. across from the Library
- Wilder crew leaving the site.
- Bruce/BN stopped into office on his way to the City Council meeting in town tonight.

Upcoming Work

- Continue to backfill and grade the RR-Yard staging area.
- Begin setting the Water Treatment Plant equipment into place on the pad.
- Prepare the access road area for paving.

Summary of RETEC Labor

Dennis Metz	Visitor: Bruce Sheppard/BNSF
	Visitor:

Other Site Activity

SAFETY/ISSUES MEETINGS

H&S topic – general construction safety issues

Introduced AJ the Securitas Site Supervisor, security is now 24/7.

DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)

Rain-for-Rent delivered 6 tanks for the WTP.

General fill material and road rock for the RR-Yard Staging area and roads.

MEETINGS HELD

City Council meeting.

MONITORING PERFORMED

None. Technician on site to perform air monitoring.

STAKEHOLDER/MEDIA ISSUES

None

TESTING PERFORMED

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Steve Chambers/Wilder is concerned that there is not enough space to stage the clean excavated materials in the present staging areas, and he showed me the BNSF pit area located west of town.

Water Treated: 0 gallons

Total Discharged to Date: 0 gallons

Date: 6/12/06

Completed by: Dennis Metz

Report

Date: 6/19/06 (Monday)	The BNSF Skykomish, Washington Levee Remediation Project
Temp: 60's	
Weather: Mostly cloudy and mildly cool.	
Rainfall: None	
Phone: NA Fax: NA	
Summary of Field Activities	
0700-Wilder H&S meeting. Wilder crew working with Calgon, setting the two sets of 20,000-lb. GAC units on the Water Treatment Plant pad. Ness Crane crew performed the rigging and pick, to set the units. Wilder 2-man crew began the grubbing of the brush and trees from the river levee area. Wilder crew continued backfilling and grading the RR-yard stockpile area. Holt Drilling crew on site to begin the well abandoning along the W. River Drive road, and worked late to complete the two over-drilling abandonments north of the school grounds. DB Davis 3-person crew on site to begin the house relocation activities – recording the current conditions of the houses and began the site evaluation of the houses, with regards to how they will be supported and moved. Wilder subcontractor installed the power distribution panel at the Water Treatment Plant pad.	
Upcoming Work	
Summary of RETEC Labor	
Mike Dyers, Dennis Metz, Sarah Albano, Renee Knecht	Visitor:
	Visitor:
Other Site Activity	
SAFETY/ISSUES MEETINGS	
Equipment inspections	
DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)	
Two Calgon 20,000-lb GAC units Backfill for the RR-Yard stockpile area.	
MEETINGS HELD	
None	
MONITORING PERFORMED	
Air monitoring by Argus technician.	
STAKEHOLDER/MEDIA ISSUES	
None	
TESTING PERFORMED	
None	

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

The electrical power to the construction trailer on the RR-Yard was hooked up today.

Volume of Water Treated: 0 gallons

Total Discharged to Date: 0 gallons

Date: 6/20/06

Completed by: Dennis Metz

Report

Date: 6/20/06 (Tuesday) Temp: 60's Weather: Sunny to partly cloudy and mildly cool. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project
	Phone: NA Fax: NA

Summary of Field Activities

0700-Wilder H&S Meeting
 -Holt Drilling on site to continue abandoning monitoring wells along W. River Drive.
 -DB Davis crew on site to continue house status recording and clearing around the house.
 -Wilder crew continued installing the base rock in the RR-Yard area for the paving of the stockpile area.
 -Wilder crew assembling the Water Treatment Plant – moved the Frac tanks onto the pad area.
 -Wilder Crew continued grubbing brush and trees from the River Levee area.
 -PIR removed the pumps from the vault monitoring wells.
 Skykomish Levee Remediation Project Pre-Construction Meeting.

Upcoming Work

Continue the well abandonment work along W. River Drive.
 Continue the Water Treatment Plant setup and plumbing.
 Continue grubbing along the river levee area.
 Continue backfilling and grading the RR-Yard stockpile area in preparation for asphalt paving.

Summary of RETEC Labor

Sarah Albano, Renee Knecht, Mike Byers, Aaron Huntington, Dennis Metz	Visitor:
	Visitor:

Other Site Activity

SAFETY/ISSUES MEETINGS

Heat Stress Prevention presentation.

DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)

Backfill for the RR-Yard stockpile area.

MEETINGS HELD

Skykomish Levee Remediation Project Pre-Construction meeting at Wilder's Offices in Everett, WA.

MONITORING PERFORMED

Air monitoring

STAKEHOLDER/MEDIA ISSUES

None

TESTING PERFORMED

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

None

Volume of Water Treated: 0 gallons

Total Discharged to Date: 0 gallons

Date: 6/20/06

Completed by:

C

Log Report

Date: 6/21/06 (Wednesday) Temp: 50-60's Weather: Cloudy and cool. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project
	Phone: NA Fax: NA
Summary of Field Activities	
0700-Wilder H&S mtg. -Wilder continued the grubbing of the trees along the River Levee; -Wilder continued the setup and plumbing of the Water Treatment Plant; -Wilder continued the backfilling and grading of the RR-Yard Stockpile Staging area; -Verizon appears to have finished re-routing their lines from the W. River Drive poles, but have not taken the wire down; -Holt Drilling completed three (3) vault well abandonment's today; -DB Davis on site to check over the Mitchell rental house this afternoon; -Liner subcontractor repaired tears in the liner at the RR-Yard Stockpile area; 1830-Wilder crew off site for the day.	
Upcoming Work	
-Wilder will be paving the RR-Yard Stockpile area on Thursday; -Continue the Water Treatment Plant setup and plumbing; -Holt Drilling will continue the vault well abandonments; -Continue the grubbing debris from the river levee.	
Summary of RETEC Labor	
Mike Byers, Sarah Albano, Renee Knecht, Aaron Huntington, Dennis Metz	Visitors: Angie and Hillary from Enviroissues
Other Site Activity	
SAFETY/ISSUES MEETINGS	
Housekeeping, Vehicle Inspections	
DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)	
Backfill material for the RR-Yard Stockpile area.	
MEETINGS HELD	
Mike Byers/RETEC, Travis Walken/Wilder, and Clint Stanovsky/City of Skykomish met regarding River Wall.	
MONITORING PERFORMED	
None	
STAKEHOLDER/MEDIA ISSUES	
None	

TESTING PERFORMED

Site air monitoring.

Wilder, on Wednesday – June 20th, attempted to install a helical tieback (for proposed use on the sheet pile wall), but the test was unsuccessful – test not able to attain satisfactory depth for holding capacity.

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

BNSF Communications person was on site at the RR-Yard and had not been informed of the ongoing project work. The access to the communication tower was going to be interrupted and this wasn't acceptable, since BNSF needed 24/7 access to the communication tower. Wilder will work with BNSF to provide a new access gate and parking area for BNSF Communication personnel requiring access to the tower.

Volume of Water Treated: 0 gallons

Total Discharged to Date: 0 gallons

Date: 6/21/06

Completed by: Dennis Metz

Report

Date: 6/22/06 (Thursday) Temp: 60's-70's Weather: Sunny to partly cloudy and mild. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project
	Phone: NA Fax: NA
Summary of Field Activities	
Wilder began asphalt paving the RR-Yard Stockpile Staging area. 0645-Wilder H&S meeting. -Verizon crews removed the wire from along West River Drive; - Wilder crew finished removing the trees and misc. landscape features north of the propose fence line, between 5 th and 6 th Streets - RETEC and PIR crews removed the water feature from the Mitchell property; - Wilder crew finished grubbing the River Levee down to the water line; - Holt completed the abandonment of the vault wells, and demobilizing from site; - DB Davis crew began the preparations on the Mitchell Rental house; - Wilder continued the plumbing activities a the Water Treatment Plant; - Wilder paved the Access Road for West River Drive; 1745- Wilder crews off site.	
Upcoming Work	
- continue WTP setup and plumbing; - fencing and silt fence installation; - continue the levee grubbing debris; - continue the house preparations for relocation.	
Summary of RETEC Labor	
Sarah Albano, Renee Knecht, Aaron Huntington; Merv Coover, Mike Byers, Dennis Metz	Visitor(s): Bruce Sheppard
Other Site Activity	
SAFETY/ISSUES MEETINGS Personnel safety working around equipment.	
DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site) Asphalt for paving the RR-Yard Stockpile Staging Area and W. River Drive Access Road. Two pumps for the WTP. PVC Liner for the river cofferdam(s).	
MEETINGS HELD Sewer Board	
MONITORING PERFORMED Site air monitoring	
STAKEHOLDER/MEDIA ISSUES None	

TESTING PERFORMED

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

Daily Reports for 6/20/06 and 06/21/06 – both incomplete.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Picnic for the towns' people at the ballpark.

Volume of Water Treated: 0 gallons

Total Discharged to Date: 0 gallons

Da 6/8/06

Completed by: Dennis Metz

Report

Date: 6/23/06 (Friday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp: 60's-70's	
Weather: Mostly sunny and mild.	
Rainfall: None	Phone: NA Fax: NA

Summary of Field Activities

0655-Wilder H&S meeting.

- Wilder crew loaded out the River Levee grubbing debris;
- Wilder crew continued setting the eco-blocks around the RR-Yard Stockpile Staging area;
- Wilder asphalt crew filling in around the edges of the RR-Yard Stockpile area and building up the edge;
- RETEC placed the site air monitoring instruments around the site;
- DB Davis crew cutting utilities loose on the Mitchell Rental and Mackner houses;
- DB Davis crew performed the break-in on the Mackner house and removed the interior wall in the Mackner garage;
- Wilder crew continued the setup and plumbing of the Water Treatment Plant (WTP);
- Wilder asphalt crew installed the curb around the WTP pad;
- Fencing crew installed the fencing between 5th and 6th Streets, including the gates at the 5th and 6th Street entrances;
- Fencing also installed the remainder of the fencing around the RR-Yard Stockpile Staging area, including gates;

1700-Most of Wilder crew off site, except the asphalt crew which worked until 1830-Hours to finish the curb around the WTP pad.

Upcoming Work

Summary of RETEC Labor

Sarah Albano, Aaron Huntington, Dennis Metz	Visitor(s):

Other Site Activity

SAFETY/ISSUES MEETINGS

DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)

Two 1000-lb GAC units and two super sacks of carbon.

MEETINGS HELD

None

MONITORING PERFORMED

Site air monitoring.

STAKEHOLDER/MEDIA ISSUES

None

TESTING PERFORMED

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

Received the Daily Report for 06/22/06 – incomplete.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Steve Chambers/Wilder said that he is going to issue a memorandum on Monday to change the time of the morning H&S to 0645-Hours, so that the crew could begin work by 0700-Hours.

Wilder has no work scheduled for Saturday June 24, 2006.

Volume of Water Treated: 0 gallons

Total Discharged to Date: 0 gallons

Date: 6/23/06

Completed by: Dennis Metz

Log Report

Date: 6/26/06 (Monday) Temp: Low-mid-90's Weather: Sunny and clear, hot. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
	Phone: NA Fax: NA
Summary of Field Activities	
0700- Wilder H&S meeting; -Wilder crew continued plumbing the Water Treatment Plant equipment and tanks; - Wilder crew removing the baseball back-stop north of the school; - Wilder crew working along the river's edge and in the river to determine the placement of the cofferdam; - DB Davis crew finish digging out under the Mackner house and installing the steel support beams; - DB Davis crew began boarding up the windows on the Mitchell Rental house and initiated the 'break-in' under the house; 1730- Wilder crew off site.	
Upcoming Work	
- Begin excavation of the Levee Berm Soils and haul to the RR-Yard Staging area; - Wilder to continue plumbing of the Water Treatment Plant system; - DB Davis will lift the Mackner house and to continue preparing the other houses.	
Summary of RETEC Labor	
Albano, Mike Byers, Aaron Huntington, Dennis Metz	Visitor(s):
Other Site Activity	
SAFETY/ISSUES MEETINGS	
Wilder reviewed their New Safety Glasses policy. <u>Near Miss:</u> Asphalt crew laborer was going to assist a truck driver, by removing the tailgate limiting chains, but the driver hadn't realized the chains were in place and thought the tailgate was just stuck. So, the driver activated the hydraulic lift just as the laborer was about to grab the chains, and the tip of the glove was caught between the tailgate and the chain, which would most likely have severed the man's fingers. New rule on site is that the driver's have to deal with the tailgates themselves. Wilder laborers aren't allowed to help them out.	
DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)	
Lime storage tanker for the RR-Yard Stockpile area arrived on site. Power Screen delivered to the site.	
MEETINGS HELD	
Conference call between RETEC, Wilder, and Dept. of Ecology; Re: SWPPP document. Second Conference call, between RETEC and Dept. of Ecology; Re: Levee Soil samples.	
MONITORING PERFORMED	
Argus technician on site to perform the air monitoring and sampling.	
STAKEHOLDER/MEDIA ISSUES	
None	

TESTING PERFORMED

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Wilder had to continue water down the containers of FlocClear BioPolymer for the water treatment plant to keep them cool due to the unusually hot temperatures.

RETEC personnel removed the two power distribution panel/boxes from along W. River Drive and placed them in temporary storage under the carport at the BN House.

Volume of Water Treated: 0 gallons**Total Discharged to Date:** 0 gallons

Date 6/27/06

Completed by: Dennis Metz

Report

Date: 6/27/06 (Tuesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp: Mid - 80's	
Weather: Clear and sunny, warm.	
Rainfall: None	Phone: NA Fax: NA

Summary of Field Activities

0700- Wilder H&S mtg.

- Wilder crew continued to plumb the equipment and tanks on the Water Treatment Plant;
- Wilder excavator operator and 3 end-dump trucks, began the excavation of the Levee Berm soils (above the road level) and moving the soils to the RR-Yard Stockpile Staging area, loader operator at RR-Yard bucking up the piles;
- Wilder crew installing the silt fencing along the fence between 5th and 6th Streets, and the 5th Street bridge approach fencing;
- DB Davis crew completed the hydraulic lifting of the Mackner house;
- DB Davis crew working on the boarding up of the windows on the Mitchell Rental and Mitchell houses;
- DB Davis crew continued breaking into the foundation of the Mitchell Rental house;

1730-Wilder crew off site.

Upcoming Work

- Continues the Levee Berm Soils excavation and transport to the RR-Yard Staging area;
- Continue the Water Treatment Plant setup and plumbing;
- DB Davis to continue preparing the houses for re-location;
- Wilder to prepare for river work beginning after the 4th of July holiday weekend;

Summary of RETEC Labor

Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz	Visitor(s):

Other Site Activity

SAFETY/ISSUES MEETINGS

Equipment operators and laborers to communicate; Hot weather – drink plenty of fluids; wear gloves when working.

DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)

Two Rain-For-Rent tanks for RR-Yard runoff water storage, and two smaller weir tanks.

MEETINGS HELD

Weekly Construction Meeting.

MONITORING PERFORMED

Site air and noise monitoring.

STAKEHOLDER/MEDIA ISSUES

None

TESTING PERFORMED

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

Wilder submitted Daily Reports for Friday 6/23/06 and Monday 6/26/06.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Wilder and the Town of Skykomish have potentially agreed to terms for the usage of the "Burn Dump" Site located east of town, to stockpile the clean backfill material(s).

Volume of Water Treated: 0 gallons

Total Discharged to Date: 0 gallons

Date: 6/27/06

Completed by: Dennis Metz

1 , Report

Date: 6/28/06 (Wednesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp: 50's-80's	
Weather: Clear and sunny and mildly cool.	
Rainfall: None	
	Phone: NA Fax: NA

Summary of Field Activities

0700- Wilder H&S mtg.

- Wilder excavator operator loading three end-dump trucks with the Levee berm soils and hauling to the RR-Yard staging area;
- DB Davis working on the Mitchell Rental house, preparing to install the steel beams;
- Wilder installed the storm drain stormwater controls at 6th Street and W. River Drive intersection; at the 5th Street and W. river Drive intersection, and at the bottom of 5th Street Bridge approach;
- Wilder crew continued the WTP setup, plumbing and electrical work;
- Site walk, D. Metz/RETEC and H. Crockford/WCC, to review the project wide Environmental Control measures;
- Wilder crew remodeling a 20-ft storage container located near the construction office trailers, and installing an air conditioner for storing the Chitosan FloccClear; the 6 Chitosan containers placed into the storage container;
- 1730-Wilder crews off site.

Upcoming Work

- Continue excavating the levee soils and hauling to the RR-Yard Stockpile area to be sampled;
- Continue to setup, plumb, and electrically connect the Water treatment Plant;
- DB Davis to continue preparing the houses to be moved;
- Continue staging materials for the river work to begin next week.

Summary of RETEC Labor

Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz	Visitor(s): Joyce Sheldon
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Other Site Activity

SAFETY/ISSUES MEETINGS

Compressed gas/air safety; no stopping on the railroad tracks; and communication between operators and laborers.

DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)

Calgon truck delivered the GAC for the Water Treatment Plant.s

MEETINGS HELD

DB Davis, WCC, and RETEC to discuss the house relocation schedule. Still shooting for July 11th and July 19th.

MONITORING PERFORMED

None

STAKEHOLDER/MEDIA ISSUES

Installed the sign posts at the BN House for the Project Information sign.

TESTING PERFORMED

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

Instructed H. Crockford/WCC to complete the silt fencing behind the school and between 5th and 6th streets as they'd like, but that if DOE does not accept it, WCC will have to carry the cost of correcting it.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

DB Davis had the HVAC technician on site to take care of the air conditioner at the Mitchell Rental house.

Volume of Water Treated: 0 gallons

Total Discharged to Date: 0 gallons

Date: 6/30/06

Completed by: Dennis Metz

[, Report

Date: 6/29/06 (Thursday) Temp: 50's-80's Weather: Clear to partly cloudy, mild cool (50's). Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
	Phone: NA Fax: NA
Summary of Field Activities	
0700-Wilder H&S mtg. - Wilder crew continued the Water treatment Plant setup, plumbing and electrical work; - Wilder crew worked on the silt fencing work around the Levee area; - DB Davis crew installing the steel beams under the Mitchell Rental house and raised it; - DB Davis workman removing the skirting from around the Moore house in preparation for steel work; - Wilder finished moving the Levee berm soils to the RR-Yard staging area and began loading rip-rap materials and hauling to the RR "Wye" staging area; 1730-Wilder crew off site.	
Upcoming Work	
- Continue the Water Treatment Plant setup, plumbing, and electrical work; - Continue preparing the houses to be relocated; - Continue moving the Levee soils and rip-rap materials;	
Summary of RETEC Labor	
Jayers, Sarah Albano, Aaron Huntington, Dennis Metz	Visitor(s): Joyce Sheldon
Other Site Activity	
SAFETY/ISSUES MEETINGS Topics: Crew Open Safety discussion/suggestions; proper PPE; equipment inspection forms; and housekeeping.	
DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site) Deliveries of Silt Curtain, Oil Boom, and PVC Liner for the cofferdam.	
MEETINGS HELD BNSF, WCC, and RETEC met regarding use of additional RR property for stockpiling clean materials. BNSF is allowing use of an area north of the 'wye' and between the track, for stockpiling clean materials. Internal RETEC meeting to go over NPDES and the river water quality sampling.	
MONITORING PERFORMED Site air (dust) monitoring and air sampling by Argus technician.	
STAKEHOLDER/MEDIA ISSUES Installed the Project Information sign in front on the BN House at 113 N. 5 th Street.	

TESTING PERFORMED

Soil sampled collected from the Levee berm stockpiles in the RR-Yard staging area were submitted for analysis.

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Mr. Moore informed RETEC that he was concerned about the loose gravel material the was placed on the silt fence flap at the north side of the school immediately outside of the Emergency Exit. He felt that this was a serious safety issue, and asked that something be done to correct the matter. WCC was contacted about the matter and WCC will correct it with sand bags instead of the loose gravel material.

Volume of Water Treated: 0 gallons

Total Discharged to Date: 0 gallons

Date: 6/30/06

Completed by: Dennis Metz

[, Report

Date: 6/30/06 (Friday) Temp: L-50's to M-80's Weather: Mostly clear and sunny, few clouds and cool. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 Site Phone: 360-677-2565 Site Fax: 360-677-2618
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Summary of Field Activities

0600- Mr. Moore removed the wire that hung over 6th Street between the school and the community center.
 0655- Wilder H&S mtg.

- Wilder to clear and grub the property at the Skykomish burn dump to receive clean soil materials at a later date;
- Wilder crew to finish the silt fence work around the Levee area;
- Wilder finished removing the rip-rap material from the Levee area and stockpiling it on the RR Property north of the 'Wye';
- Wave Trek performed a river bottom elevation survey and set bouys in the river channel using GPS to indicate the cofferdam location;
- Wilder began the excavation of the material above the VDL, along the Levee starting at the East end and stockpiling the material on the west end of the Levee;
- Wilder continued the setup of the Water Treatment Plant;
- DB Davis slipped the Mitchell Rental house to the east off of the foundation, in preparation for easier moving and to make room to work around the Mitchell house;
- DB Davis also making preparations on the Moore and Teacherage houses;
- Wilder crew install signage around the Site.

oming Work

Holiday weekend off for the Wilder crew.
 DB Davis crew is scheduled to work on Monday July 3rd to start staging houses on 6th Street.
 Wednesday July 5, starts the work in the river.

Summary of RETEC Labor

Sarah Albano, Aaron Huntington, Dennis Metz	Visitor(s): None

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic : Pinch points.

WCC replaced the loose gravel on the silt fencing flap, at the north emergency exit of the school, with sand bags, to correct a safety issue that Mr. Moore had with manner in which it was originally completed.

DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)

Wilder received the "long reach" excavator on site.

MEETINGS HELD

None

MONITORING PERFORMED

Site air and noise monitoring.

STAKEHOLDER/MEDIA ISSUES

None

TESTING PERFORMED

Two soils samples collected from the Levee berm stockpiles at the RR-Yard stockpile area, and submitted for testing.

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Mr. Moore informed RETEC, that Bruce S./BN told him that RETEC would do a cost analysis (or estimate) on a design proposal he recently presented to the School Board, for the restoration of the school property after Levee construction is completed. I also gave three Fire Alarms to Mr. Moore for the Community Center, and he said that he would install them.

Kato / Wilder informed RETEC that they had just cleared the wrong area at the Skykomish burn dump, having clear the Co. ' property area instead of the Town's property area. He feels that RETEC personnel may have mis-informed Wilder personnel as to which piece of property belonged to the Town.

The fencing at the west end of W. River Road near the Water Treatment Plant is not finished, and the road is barricaded. The gates at the Levee entrances at 5th and 6th Streets are closed, but not secured by chain and lock

Wilder crew is shut down for the four-day weekend and will return on Wednesday – July 5, 2006.

DB Davis crew will not be on Site Saturday, but are scheduled to work on Monday July 3, 2006.

Volume of Water Treated: 0 gallons

Total Discharged to Date: 0 gallons

Date: 6/30/06

Completed by: Dennis Metz

Daily Report



Date: 7/5/06 (Wednesday) Temp: 50's - 60's Weather: Mostly cloudy and cool. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
	Site Phone: 360-677-2565 Site Fax: 360-677-2618

Summary of Field Activities

0700- Wilder H&S mtg.
 - Wilder grubbing the tree stumps from the Levee area;
 - Wilder began the installation of the river diversion dam;
 - Wilder continued the setup of the Water Treatment Plant;
 - DB Davis raised the Mitchell house;
 - DB Davis installed wheels on the Mitchell Rental and preparations on the Teacherage house;
 - Wilder loaded the clean soil material from the R-Yard Staging area and hauled it to the City Burn Dump for staging;
 - Wilder crew power screening the impacted material in the RR-Yard Staging area.

Upcoming Work

Summary of RETEC Labor

Sarah Albano, Aaron Huntington, Mike Byers, Merv Coover, ennis Metz	Visitor(s): None
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Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic : River work safety.

DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)

Wilder received

MEETINGS HELD

Weekly Construction Meeting.

MONITORING PERFORMED

Site air and noise monitoring.

STAKEHOLDER/MEDIA ISSUES

None

TESTING PERFORMED

ANALYSIS SUBMITTED

None

JBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Volume of Water Treated: 0 gallons

Total Discharged to Date: 0 gallons

Date: 7/5/06

Completed by: Dennis Metz

Daily Report



Date: 7/06/06 (Thursday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp: L-50's to M-60's	
Weather: Cloudy and cool (low-50s).	
Rainfall: None	
Site Phone: 360-677-2565 Site Fax: 360-677-2618	
Summary of Field Activities	
0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam; 0650- Wilder H&S mtg. - Wilder loading the grubbing debris from the Levee area – loads going to the Miller Quarry; - Wilder excavator removing the remaining Levee berm soils above the VDL from the east end of the Levee area and stockpiling at the west end of the Levee area; - Wave Trek performed a mock "Release Drill" with RETEC and ECOLOGY personnel observing; - Wilder river crew installing the silt curtain in the river below the diversion dam; - Wilder continued the setup of the Water Treatment Plant and assembling the intake line along the levee; - DB Davis continued preparations on the Mitchell Rental house for moving and continued to work on raising the Mitchell house in preparation to install the wheel sets tomorrow; - DB Davis moved Mackner house to 6th Street in front of the Moore house; - Wilder crew power screening the materials in the RR-Yard Staging area; - RETEC performed the river water quality turbidity testing 3X today.	
Upcoming Work	
Summary of RETEC Labor	
Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz	Visitor(s): None
Other Site Activity	
SAFETY/ISSUES MEETINGS Safety topic : Power Screen LOTO.	
DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site) Wilder Telebelt truck (Conco Pumping Ph 1-877-347-3407) arrived on site.	
MEETINGS HELD RETEC, Wave Trek, and ECOLOGY met prior to today's practice 'release drill'.	
MONITORING PERFORMED Argus technician performing the air monitoring and sampling and noise monitoring.	
STAKEHOLDER/MEDIA ISSUES None	

TESTING PERFORMED

Two soils samples collected from the Levee berm stockpiles at the RR-Yard stockpile area, and submitted for testing.

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Volume of Water Treated: 0 gallons

Total Discharged to Date: 0 gallons

Date: 7/6/06-7/7/06

Completed by: Dennis Metz

Daily Report



Date: 7/07/06 (Thursday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp: M-50's to M-70s.	
Weather: M-cloudy and cool (M-50s), turning to M-sunny and warm by 0900 Hrs.	
Rainfall: None	
Site Phone: 360-677-2565 Site Fax: 360-677-2618	
Summary of Field Activities	
0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam. 0650- Wilder H&S mtg. - Wilder and Conco (TeleBelt) began installing the cofferdam at the 5th Street Bridge (upstream end); - Wilder river crew finished installing the Silt Curtain and Oil Boom (except small section of boom on the west end on the alignment) on the cofferdam alignment; - Wilder divers releasing the silt curtain; - Wilder Water Treatment Plant; - DB Davis lifted the Mackner garage from its foundation and placed on a trailer, and installed the wheels on the Mitchell house; - DB Davis moved the Mitchell Rental house over to the 6th Street staging area; - Wilder loading the stockpiled Levee (above VDL) material into side-dump trailers and hauling to RR-Yard stockpile area; - Wilder crew power screening the materials in the RR-Yard Staging area; - Wilder began additional excavation on the Levee by excavating another lift of material from the Above VDL area in the eastern portion of the Levee which was previously excavated; - Wilder river crew was pre-loading the super sacks by partially filling them, possibly to make them easier to place in the moving water current tomorrow; - RETEC performed the river water quality turbidity testing 3X today.	
Upcoming Work	
WCC to continue the cofferdam installation;	
Summary of RETEC Labor	
Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz	Visitor(s): None
Other Site Activity	
SAFETY/ISSUES MEETINGS	
Safety topic: River crew to "fall downstream" to avoid waders filling with water.	
Injury: During the Water Treatment Plant activity of laying the suction pipe along the levee, a worker slipped and caught their foot between some rocks and fell. The worker was taken to the clinic and had x-rays, no fracture occurred.	
DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)	
WCC received deliveries of the river fill material being used to fill the cofferdam super sacks.	
MEETINGS HELD	

None.

MONITORING PERFORMED

Site air monitoring performed.

STAKEHOLDER/MEDIA ISSUES

EnviroIssues personnel are to meet with the Summer School class on Monday for a brief description of the Levee project.

TESTING PERFORMED

One soil sample collected from the Levee "Above VDL" material stockpile at the Levee and submitted for testing.

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

Notified Kato Mattson/WCC that they have been given the go ahead to pump the water to charge the WTP, from the river, given they abide by the requirements for the intake screen, placement of the intake in the river, and the intake screen to be inspected by the on-site biologist from Grede.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

DB Davis crew not working on site this Saturday.

WCC crew is working on Saturday.

Archeologist to be on site on Saturday.

Volume of Water Treated: 0 gallons

Total Discharged to Date: 0 gallons

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Completed by: Dennis Metz

Report

Date:	7/08/06 (Saturday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	M-50's to M-80's	
Weather:	Clear and warm.	
Rainfall:	None	
		Site Phone: 360-677-2565 Site Fax: 360-677-2618

Summary of Field Activities

- 0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
 0650- Wilder H&S mtg.
- The Wilder JD 350L (long stick) excavator was down for repair, so the JD 350D excavator was inspected and cleaned prior to being put into service in the river for the cofferdam installation;
 - Wilder river crew, Conco Pumping Co.'s telebelt truck, and the contracted divers installed the PVC liner and the outside perimeter super sacks through the upstream turn and heading downstream;
 - Wilder excavator loaded the remaining stockpile(s) of Above-VDL material from the west end of the Levee, except for the stockpile for which sampling data has not been received, into the side-dump trucks that hauled it to the RR-Yard stockpile area;
 - NWAA archeologist inspected the Eastern Levee excavation area (with an escort) and determined that Levee material excavated to date was recent fill material and of no concern;
 - Wilder loader began re-locating the river fill material stockpile from the western part of the Levee to eastern end of the upland area, now that the Mitchell Rental house has been moved off of the property;
 - Wilder completed the fence and gates at the west end of W. River Drive adjacent to the WTP;
 - Wilder Water Treatment Plant laid the intake pipe and screen into the river and began charging the WTP, but pump issues delayed the filling of the system;
 - JD 235 excavator began excavating the Above-VDL material on the Levee at the north end of 6th Street, and loading the trucks which stockpiled the material on the west end of the Levee;
 - Wilder crew power screening the materials in the RR-Yard Staging area;
 - Wilder re-located the power screen in the RR-Yard area to the west of the truck dump area;
 - RETEC performed the river water quality turbidity testing 3X today.

Upcoming Work

- Continue the cofferdam installation work;
- Continue charging the WTP with the river water.
- DB Davis to make the final preparations to move the three houses on Tuesday.
- Continue screening the material in the RR-Yard.

Summary of RETEC Labor

Dennis Metz	Sub-contractor(s): Larry /Grede; Charles Hodges/NWAA
	Visitor(s):

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Reviewed the cofferdam installation JHA.

Charles Hodges/NWAA received the RETEC H&S Site Orientation.

DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)

None.

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC performed the air monitoring today.

STAKEHOLDER/MEDIA ISSUES

None

TESTING PERFORMED

River water quality – turbidity testing.

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

RETEC inspected the Below-VDL material from the Levee that is stockpiled at the RR-Yard Stockpile area and gave WCC the go-ahead to screen the material, but to keep the 2"-Plus materials stockpiled separate from the other 2"-Plus materials until it can be re-inspected.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Steve C./ WCC expressed concern that the RR-Car Container "liners" had not arrived on site yet.

Kato M. WCC explained that they had requested 3 sets of 4 RR-cars (total 12 cars) with boxes from BNSF. Presently there are 18 RR-cars staged on the "Back Lead " track.

The 3 Levee access gates were chained and locked at the end of the work day.

WTP = Water Treatment Plant

Volume of Water Treated: 0 gallons

Total Discharged to Date: 0 gallons

Date: 7/9/06

Completed by: Dennis Metz

Report

Date: 7/10/06 (Monday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp: U-50's to M-70's.	
Weather: Mostly cloudy and mild.	
Rainfall: None	
RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618	
Summary of Field Activities	
0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam; 0655- Wilder H&S mtg. - Wilder and Conco continued the cofferdam installation work; - Wilder dozer operator cleared (scraped) the top 6-8 inches of grassy soil from the school yard area; - Wilder excavator began the excavation of the Above VDL material from the school yard area stockpiling it centrally on the plot; - Wilder Water Treatment Plant continued testing parts of the system; - DB Davis performing final preparations on the house for Tuesday's move; - DB Davis removing some of the soil from around the Moore house; - Wilder crew power screening the materials in the RR-Yard Staging area; - RETEC performed the river water quality turbidity testing 3X today.	
Upcoming Work	
- continue the cofferdam installation work; - continue the WTP preparations and system testing; - Davis to move three house on Tuesday;	
Summary of RETEC Labor	
Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz	Sub-contractor(s): Larry Lehman/Grede.
	Visitor(s): Dept. of Ecology personnel.
Other Site Activity	
SAFETY/ISSUES MEETINGS Safety topic: Gloves for the cofferdam workers; reminded them to be sure to secure materials at the end of the day also, since super sacks were blowing into the river over the weekend,	
DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site) Deliveries of eco-blocks and river fill material.	
MEETINGS HELD None.	
MONITORING PERFORMED Argus technician performing the air monitoring and sampling and noise monitoring. RETEC personnel performed the River water quality testing.	
STAKEHOLDER/MEDIA ISSUES None	

TESTING PERFORMED

Two soils samples collected from Levee berm stockpiles, and submitted for testing.

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

RETEC personnel assembled the Storage Unit for the School.

Volume of Water Treated: 0 gallons

Total Discharged to Date: 0 gallons

Date: 7/10/06

Completed by: Dennis Metz

Report

Date:	7/11/06 (Tuesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	U-50's to M-70's	
Weather:	Cloudy and mild.	
Rainfall:	None	
		RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618

Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of cofferdam;
0650- Wilder H&S mtg.
- Wilder river crew with the assistance of the contract divers, installed cofferdam PVC liner and perimeter super sacks;
- Wilder operator excavated the available Above-VDL materials from the Levee area and hauled it to the RR-Yard stockpile area;
- Wilder river crew and Conco continued installing the cofferdam super sacks after the divers left;
- Wilder Water Treatment Plant testing and tuning the system;
- DB Davis moved the Mackner house, Mitchell Rental house, Mitchell house, and Mackner garage to the temporary storage area on the east end of Railroad Avenue along the BNSF railroad tracks;
- Wilder crew power screening the materials in the RR-Yard Staging area;
- RETEC performed the river water quality turbidity testing and visual oil sheen check 3X today.

Upcoming Work

- Continue the cofferdam installation;
- Continue the WTP testing and tuning;
- Plan to begin the 'break-in' on the Teacherage house;
- Plan to clear the area where the houses were removed.

Summary of RETEC Labor

Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz	Subcontractor(s): Larry Lehman/Grede; Austin /NWAA
	Visitor(s): Rich Truax/RETEC, Steve Howard/RETEC, Louise Bady/DOE, Ron /DOE

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Don't wear loose clothing around the power screen unit.

DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)

None.

MEETINGS HELD

Weekly Construction Meeting.
Alternative Shoring Meeting.

MONITORING PERFORMED

RETEC performing the air and noise monitoring.

STAKEHOLDER/MEDIA ISSUES

None

TESTING PERFORMED

One soil sample collected from the School yard area of Above-VDL stockpile material and submitted for testing.

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

RETEC gave WCC authorization to move the remaining Above-VDL material from the Levee area directly to the RR-Yard Stockpile area without soil testing.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Volume of Water Treated: 0 gallons

Total Discharged to Date: 0 gallons

Da 7/11/06

Completed by: Dennis Metz

Report

Date: 7/12/06 (Wednesday) Temp: U-50's to L-70's Weather: Cloudy and mild, rainy. Rainfall: 0.35 inches (1830 Hrs)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Summary of Field Activities	
0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam; 0650- Wilder H&S mtg. - Wilder river crew continued installing the cofferdam; - Wilder loaded the stockpiled Levee material from the west end of Levee and hauled it to the RR-yard Stockpile area; - Wilder excavated the above-VDL material from the Levee area west of 6 th Street, after the stockpiled river fill material was moved - Wilder Water Treatment Plant continued testing and tuning the system; - DB Davis finished leveling up the houses moved to the temporary storage area on East Railroad Avenue, on Tuesday; - DB Davis began the break-in at the Teacherage house and installing the steel beams; - Wilder crew power screening the materials in the RR-Yard Staging area; - WCC excavator loaded out the contaminated stockpile of river fill material and hauled it to the RR-Yard stockpile area; - RETEC performed the river water quality turbidity testing 3X today.	
Upcoming Work	
- WCC to continue the cofferdam installation. - to continue the WTP testing and tuning. - Davis to continue working preparations to move the last two houses from the Levee area.	
Personnel on Site	
RETEC: Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz	
Subcontractor(s): Larry Lehman/Grede & Assoc., Austin Jenkins/NWAA	
Visitor(s): Susan Lee and Bob /Ecology	
Other Site Activity	
SAFETY/ISSUES MEETINGS Safety topic: Near Miss at the WTP when a pipe connection gave way during flow testing and nearly pinned a worker against a tank.	
DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site) Received deliveries of eco-blocks and river fill materials. Shipped out several loads of concrete debris.	
MEETINGS HELD None.	
MONITORING PERFORMED RETEC performing the air monitoring.	
STAKEHOLDER/MEDIA ISSUES None	

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

The stockpile of river fill material that was mixed with the contaminated fill material can not be used on the project, and must be removed from the work area.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

Kato Mattson/WCC reported that the stripped grassy material from the housing area between 5th and 6th Streets will have to be shipped out as "Construction debris" due to the large volume of landscape and house debris mixed into the pile. This will not impact the construction schedule, but additional cost will be incurred.

GENERAL REMARKS

The Security Supervisor reported that one of the security officers had reported a gap on the security fencing around the Hose Storage Area. This information was given to the DB Davis crew and the fencing was repaired.

Kato Mattson/WCC informed RETEC personnel at about 1730 Hours, that 2-3 loads of river fill material had been received from the quarry (?) which appeared to have petroleum staining and odor. The materials had been mixed into an existing upland Levee stockpile, but had not been loaded into the hopper for use in filling the cofferdam super sacks. The river fill material being used in the cofferdam was from an adjacent stockpile that was clean. RETEC personnel visited the Levee area and immediately checked and verified that the material being used to fill the cofferdam super sacks was clean. The contaminated stockpile was checked and it was determined that none of this material could be used and was loaded out and hauled to the RR-Yard Stockpile. RETEC and WCC personnel will visit the quarry on Thursday morning to determine if this quarry can be used for future deliveries of the river fill material.

Volume of Water Treated: 0 gallons

Total Discharged to Date: 0 gallons

Date: 7/12/06

Completed by: Dennis Metz

Report

Date:	7/13/06 (Thursday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	U-50's to M-70's	
Weather:	Cloudy and mild, rainy.	
Rainfall:	0.19 inches (as of 1945 Hrs)	
		RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618

Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
0650- Wilder H&S mtg.
- Wilder river crew continued working the cofferdam installation;
- Wilder had Evergreen Sanitation pump out the house septic tanks today;
- Wilder excavator loaded all of the Above-VDL material from the school yard area and hauled it to the RR-Yard area;
- Wilder Water Treatment Plant repaired piping that blew apart during a high pressure flow test last evening;
- DB Davis continued the break-in of the Teacheage and began installing the steel beams;
- DB Davis began some shallow excavating around the Moore house in preparation for installing the steel beams;
- Wilder crew power screening the materials in the RR-Yard Staging area;
- RETEC performed the river water quality turbidity testing 3X today.

Upcoming Work

- WCC to continue the cofferdam installation;
- WCC will re-plumb one of the Calgon GAC unit to try to increase the flow characteristics;
- Davis will continue working on the Teacherage and Moore houses in preparation for moving.
- West America mobile lab to be on location and ready to run by Monday (7/17/06).

Personnel on Site

RETEC: Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz

Subcontractor(s): Larry Lehman/Grede & Assoc.

Visitor(s): Mike Blum/ Ecology

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Reviewed the Emergency Assembly areas for the crew at the different work locations.

DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)

WCC receiving river fill material.

MEETINGS HELD

None.

MONITORING PERFORMED

No air monitoring today due to the rainy weather..

STAKEHOLDER/MEDIA ISSUES

Mike Shawver filed a complaint regarding rock and gravel which was laying in the ditch along the south side of Railroad Avenue across from his residence, saying that next winter it will cause the water to flow into his yard. He asked that the material be removed by the time the project was over. I explained that it might be there to prevent trucks from making a rut there, since it appeared trucks had been taking the corner wide at that location. Mike Shawver said that this was fine as long as it was removed.

late. I asked him to remind us if we forget, he said that he would.

ANALYSIS SUBMITTED

One material sample (AZ) was collected from the quarry supplying the river fill , and submitted for testing.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Sarah and Aaron observed that the water drained from the Calgon GAC unit overflowed the WTP containment berm and flowed westward down the street (W. River Drive) and into a resident's yard.

Volume of Water Treated: 0 gallons

Total Discharged to Date: 0 gallons

Date: 7/13/06

Completed by: Dennis Metz

Report

Date:	7/14/06 (Friday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	U-50's to M-70's	
Weather:	M-cloudy changing to M-clear and mild.	
Rainfall:	Trace	
		RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618

Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
0700- Wilder H&S mtg.
- Wilder river crew with the assistance of the divers installed PVC liners today.;
- Wilder and Conco installed cofferdam super sacks for the cofferdam;
- Wilder excavator working on levee to remove the tree stumps and place rip-rap to build support pad for the Conco truck;
- Wilder Water Treatment Plant began installing the larger diameter plumbing on the Calgon GAC unit;
- DB Davis working on the Teacherage house and preparing it for the move;
- DB Davis working on the Moore house preparing it for the steel beams;
- Wilder RR-yard crew loaded 24 RR-car boxes with impacted material;
- RETEC performed the river water quality turbidity testing 3X today.

Upcoming Work

- Test America's mobile lab will be on site on Saturday.
- WCC to continue re-plumbing and testing the WTP.
and Conco to continue installing the cofferdam.
- Davis to continue to prepare the hose to be moved.

Personnel on Site

RETEC: Sarah Albano, Aaron Huntington, Dennis Metz

Subcontractor(s): Larry Lehmen/Grette & Assoc.

Visitor(s): Mike Blum/Ecology

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: L&I Surprise inspection on Thursday and everything reported great. Kudos to crew. WTP – pinch points, fall hazards and heavy equipment.

DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)

Plumbing parts for the WTP re-plumbing of the GACs.
River Fill material.

MEETINGS HELD

Conference call on the WCC TEP.

MONITORING PERFORMED

Argus technician performing the air monitoring and sampling and noise monitoring.

STAKEHOLDER/MEDIA ISSUES

RETEC talked to City Hall, the Mayor, on behalf of WCC to request permission to work this coming Sunday, if needed, to complete the re-plumbing work and testing on the WTP to prepare for the excavation work next week. Mayor gave permission, but

with the stipulation that the neighbors didn't have a problem with the start time. The neighbors are not going to be home this weekend, so no problem there. The Mayor set a start time for work Sunday of 0800 Hours.

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

DB Davis informed RETEC personnel this morning of a problem with the structure of the Teacherage House. The structure on the back side (west side) of the house was rotted and they didn't think it would survive the move without some additional stabilization. The DB Davis crew ended up placing wooden cribbing on the back porch to support the second story of the house for the move. There is also a problem with the Moore house, in that it was built on natural rocks in some areas, which presents a problem in removing the underlying materials in order to place the steel beams. Dell Davis still isn't sure he can make the July 19th move date.

Volume of Water Treated: 0 gallons

Total Discharged to Date: 0 gallons

Date: 7/14/06

Completed by: Dennis Metz

Report

Date:	7/15/06 (Saturday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	M-50's to M-70's	
Weather:	Cloudy and mild, turning sunny and mildly warm, breezy.	
Rainfall:	None	
		RETEC, P.O. Box 220, Skykomish, WA 98288
		Site Phone: 360-677-2565
		Site Fax: 360-677-2618

Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
0650- Wilder H&S mtg.
- Wilder river crew working with divers to repair the silt curtain and oil boom, and to pull up the PVC liner;
- Wilder river crew and Conco continued installing the cofferdam, filling super sacks;
- WCC divers finished installing the missing oil boom on the west end of the silt curtain;
- Test America mobile lab arrived on site and set up west of the RETEC Construction Trailer;
- WCC spreading gravel material west of the BNSF Communication Tower gate for a parking area;
- Wilder Water Treatment Plant re-plumbing the Calgon GAC unit and testing flow capacity;
- RETEC performed the river water quality turbidity testing 3X today.

Upcoming Work

- WCC continue the Cofferdam installation and install the Internal Cofferdam;
- WCC loading impacted materials into train car boxes;
- DB Davis to continue to prepare house for moving;
America will be testing their equipment to make sure it's all working.

Personnel on Site

RETEC: Dennis Metz

Subcontractor(s): Larry Lehman/Grette & Associates.

Visitor(s): None

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: WCC crew completed the HASP review; Skykomish "Old Timer's Picnic" this weekend and a lot of people in town that are unfamiliar with construction activities – watch out for people.

People were asked to leave the Levee Area Exclusion Zone several times today after they wandered onto the site area.

DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)

WCC receiving truck loads of river fill material.

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the air monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

WCC test flowed the Calgon GAC unit following the re-plumbing work and produced about 550 GPM through the unit. Steve C/WCC will make the appropriate telephone calls to WCC and Calgon personnel and get the wheels in motion to re-plumb the second GAC unit the first part of next week.

WCC will not be working on Sunday this weekend.

Volume of Water Treated: 0 gallons

Total Discharged to Date: 0 gallons

Date: 7/15/06

Completed by: Dennis Metz

Report

Date: 7/17/06 (Monday) Temp: M-50's to M-70's Weather: Mostly clear, breezy and cool. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Summary of Field Activities	
0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam; 0650- Wilder H&S mtg. - Wilder river crew installing the cofferdam; - Wilder crew filling sand bags, then bagging the outside cofferdam liner and then pulling the inside cofferdam liner up into place and sand bagging the interior liner, on the portion of the cofferdam which has been completed; - Wilder excavator and dozer building the edge of river support pads for the Conco telebelt truck to install the cofferdam; - Wilder Water Treatment Plant crew is re-plumbing the second GAC unit with the larger diameter vales and piping; - DB Davis raising the Teacherage house; - DB Davis placing steel beams under the Moore house; - Test America lab setting up lab equipment; - RETEC performed the river water quality turbidity testing 3X today.	
Upcoming Work	
Personnel on Site	
RETEC: Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz	
Subcontractor(s): Larry Lehmen/Grette; 2 technicians/Test America	
Visitor(s): Kate Haney/Test America, Ron Timm and ? /Ecology	
Other Site Activity	
SAFETY/ISSUES MEETINGS Safety topic: Communication, drink fluids – warmer weather, equipment inspections, and use proper lifting technique.	
DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site) Valves and piping for the second GAC unit at the WTP. River Fill material used in fill the super sacks to build the cofferdam.	
MEETINGS HELD None.	
MONITORING PERFORMED RETEC personnel performing the air monitoring.	
STAKEHOLDER/MEDIA ISSUES None	
ANALYSIS SUBMITTED One soil samples collected from the upland area grassy stockpile and submitted for testing at the onsite mobile lab.	

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted Final Draft of Skykomish Levee Remediation TEP.

Received copy of the June 2006 DMR, signed by Bruce Sheppard/BNSF.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

WCC is to salvage the septic tanks from the Mitchell residence property in accordance with the Access Agreement. WCC will perform this work under it's T&M provisions.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Dell Davis / DB Davis was going to ask his crew if they knew anything about the torn up lawn of the house at the NE corne of 3rd Street and Railroad Avenue, about 50-feet north of Railroad avenue along 3rd Street.

Volume of Water Treated: 0 gallons

Total Discharged to Date: 0 gallons

Date: 7/17/06

Completed by: Dennis Metz

Report

Date: 7/18/06 (Tuesday) Temp: L-50's to L-80's Weather: Clear and warm. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
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Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
 0650- Wilder H&S mtg.
 - Wilder river crew installing the cofferdam;
 - Wilder crew installing the first Aqua Barrier at the west end of Cell #1;
 - Grette & Associates supervised the fish seining of Cell #1, retrieving 96 fish from the cell;
 - Wilder excavator operator removing rocks from the downstream portion of the cofferdam area;
 - Wilder Water Treatment Plant finished re-plumbing the second GAC unit and test ran the system at ~960Gpm;
 - DB Davis raising the Moore house and began digging out underneath;
 - Wilder crew loaded the 24 RR-car containers with impacted materials;
 - RETEC performed the river water quality turbidity testing 3X today.

Upcoming Work

- Continue cofferdam installation.
- Install second Aqua Barrier for Cell #1.
- preparations at the WTP for pump operation.

Personnel on Site

RETEC: Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz, Dan Berlin

Subcontractor(s): Larry Lehmen/Grette & Assoc., Brian B. + Richard L./Test America

Visitor(s): Susan Lee + Pete Adolphson/ Ecology

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Rigging safety and Slip-Trip-Fall hazards.

DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)

WCC receiving river fill material.

MEETINGS HELD

Weekly construction meeting, with WCC, RETEC, City, EnviroIssues, and Ecology.

MONITORING PERFORMED

Argus technician performing the air monitoring and sampling and noise monitoring.

RETEC personnel performing the River Water Quality turbidity testing and oil sheen monitoring. Exceedence of the turbidity test downstream of the cofferdam on the final test of the day. WCC crew was in the river with heavy equipment clearing a area to install the second Aqua Barrier and stirred up the bottom silts.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted Daily Reports for 7/12/06 and 7/13/06.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Mr. Moore removed the items from the small shed located behind the Teacherage house.

Volume of Water Treated: 0 gallons

Total Discharged to Date: 0 gallons

Date: 7/19/06

Completed by: Dennis Metz

Report

Date:	7/19/06 (Wednesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	U-50's to L-70's	
Weather:	Clear and mild to mildly warm.	
Rainfall:	None	
		RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618

Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
0650- Wilder H&S mtg.
- Wilder river crew installing the cofferdam;
- Wilder crew installed the 2nd Aqua Barrier west of the 1st Aqua Barrier for Cell #1;
- Wilder crew pulling up the PVC liner on the Cofferdam and sand bagging it in place;
- Wilder Water Treatment Plant installing the pumps and piping to begin pumping Cell #1, including piping to pump out between the primary and secondary cofferdams;
- DB Davis excavated under and Moore house and installed the wheel carriages;
- DB Davis crewman adjusted the fencing around the House Storage Area in response to the Skykomish Fire Chief's request;
- Wilder RR-Yard crew filled the 24 RR-Car containers with impacted materials;
- RETEC performed the river water quality turbidity testing 3X today.

Upcoming Work

- Finish WTP preparations and testing for pumping operations.
- Continue Cofferdam installation.
- Begin excavation on the River Portion of Cell #1.
- Continue loading railroad car containers.

Personnel on Site

RETEC: Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz, Merv Coover

Subcontractor(s): Larry Lehman/Grette & Assoc., Brian B. + Richard L./Test America

Visitor(s): Rick Thomas + Jeanne Tran/Ecology

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Equipment Inspection; and replacing leaky waders.

DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)

WCC receiving river fill materials.

MEETINGS HELD

Mike Byers/RETEC met with the Skykomish Fire Chief, and the Chief requested that the fencing around the House Storage Area on Railroad Avenue be "wired" in several key locations to allow quick access with bolt cutters, should emergency access be needed to the houses.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.

RETEC personnel performed the River Water Quality turbidity testing and oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted the Daily Reports for 7-14-06 and 7-15-06. The 7-14-06 Daily Report has the up-to-date T&M cost sheets for the project through 7-14-06.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

WCC to load and haul the large clean boulders from the Levee area to the City Burn Dump for storage.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Rabanco vendor for the container liners called to inform us that the liners are presently in Portland and are "red tagged" to be delivered ASAP. He anticipates delivery on Friday afternoon or Monday morning.

Volume of Water Treated: 0 gallons

Total Discharged to Date: 0 gallons

Date: 7/20/06

Completed by: Dennis Metz

Report

Date:	7/20/06 (Thursday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L-50's to L-80's	
Weather:	Clear and mild, turning warm.	
Rainfall:	None	
		RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618

Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
0650- Wilder H&S mtg.
- Wilder river crew installing the cofferdam;
- Wilder loading the grassy (impacted) material and debris stockpiles from the house area between 5th and 6th Streets to the RR-Yard area for disposal with the impacted materials;
- Wilder excavating and loading the Below –VDL material from the Cell #1 Levee area and hauling to the RR-Yard for disposal;
- Wilder Water Treatment Plant began pumping water from Cell #1 this afternoon and began 24/7 operation today;
- DB Davis continued preparing the Moore and Teacheage Houses for moving day;
- Wilder crew loaded 24 RR-Car containers with impacted material;
- RETEC performed the river water quality turbidity testing 3X today.
- Grette & Associates and RETEC personnel performed electro shock in Cell #1 after normal working hours to remove any additional fish from the cell area, at the request of Bill Marvos of the Washington Department of Fish and Wildlife.

Upcoming Work

- Complete the cofferdam installation.
- Complete the Cell #1 river excavation.
- Continue to load the impacted material into the railroad containers from the RR-Yard Stockpile area.

Personnel on Site

RETEC: Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz, Merv Coover, Dan Berlin

Subcontractor(s): Larry Lehman/Grette & Assoc., Brian B. + Richard L./Test America

Visitor(s): Susan Lee + Mike Blum/ Ecology, Joe Scott/RETEC

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Heavy Equipment Safety.

DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)

WCC receiving river fill material.

MEETINGS HELD

RETEC internal weekly construction update conference call.

MONITORING PERFORMED

Argus technician performing the air sampling and monitoring and noise monitoring.

RETEC Personnel performing the River Water Quality turbidity testing and oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted their June Invoice to RETEC for approval.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Today was the first day of the WTP operation and discharge under the NPDES Permit.

Volume of Water Treated: 0 gallons

Total Discharged to Date: 0 gallons

Date: 7/20/06

Completed by: Dennis Metz

Report

Date: 7/21/06 (Friday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp: U-50's to M-90's	
Weather: Clear and mild, turning very warm.	
Rainfall: None	
RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618	
Summary of Field Activities	
0530-Larry Lehman/Grette Associates and Dan Berlin/RETEC performed electroshock again this morning on Cell #1; 0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam; 0650- Wilder H&S mtg. - RETEC personnel inspected the RR-Car Waste Containers and found three containers with holes in the bottoms, and the holes were covered with plywood so that they could be loaded; - Wilder river crew installing the cofferdam; - Wilder began excavating in Cell #1 at its western extent; - Wilder installed an internal cofferdam across the Cell #2 area as an attempt to control the turbid discharge from Cell #1 during excavation work; - Wilder Water Treatment Plant operating; - DB Davis crew making preparations to move the houses onto 6th Street on Monday; - Wilder RR-Yard Stockpile area crew loaded the impacted materials into the 24 Waste Containers; - RETEC performed the river water quality turbidity testing 3X today. Exceedance of the turbidity parameter during the last reading of the day. Report was drafted and e-mailed to the Dept of Ecology.	
oming Work	
Continue cofferdam installation. Continue excavation in Cell #1 river area. Continue loading out impacted materials onto railroad car waste containers. Operate Water Treatment System.	
Personnel on Site	
RETEC: Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz, Steve Howard	
Subcontractor(s): Brian B. + Richard L./Test America	
Visitor(s): Everyone/Ecology	
Other Site Activity	
SAFETY/ISSUES MEETINGS Safety topic: Hot weather – heat exhaustion and heat stroke symptoms. Exclusion Zone protocols.	
DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site) WCC receiving river fill material.	
MEETINGS HELD Scheduling meeting with BNSF, RETEC, WCC, and Ecology.	
MONITORING PERFORMED RETEC personnel performing the air monitoring and noise monitoring.	

RETEC Personnel performing the River Water Quality turbidity testing and oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

Two soil samples were submitted to the on-site lab for analysis.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted the Daily Reports for 7/17/06 to 7/20/06.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

A conversation with Kato Mattson/WCC following the turbidity exceedance indicated that WCC will install a berm of the 5/8 inch material along the internal cofferdam and levee to filter out additional fines from moving down river.

Volume of Water Treated: ??? gallons

Total Discharged to Date: ??? gallons

Date: 7/21/06

Completed by: Dennis Metz

Report

Date:	7/22/06 (Saturday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	M-60's to M-90's	
Weather:	Mostly cloudy and mild to hot.	
Rainfall:	None	
		RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618

Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
0650- Wilder H&S mtg.
- RETEC personnel inspected the heavy equipment prior to being allowed in the river to work;
- RETEC personnel inspected and inventoried the RR-car waste containers;
- Wilder river crew installed a silt fence and washed sand barrier across the Cell #2 area to reduce downstream turbidity;
- Wilder river crew installing the cofferdam;
- Wilder excavator loaded the Cell#1 drained spoils material into side-dump trailer and hauled to the RR-Yard stockpile area;
- Wilder Water Treatment Plant operating 24/7;
- Evergreen mechanic repaired the CAT 350L long stick excavator hydraulic hose;
- WCC excavators (JD 350D and CAT 350L) excavating in Cell #1;
- Wilder RR-Yard stockpile crew loading impacted material into RR-car waste containers;
- RETEC performed the river water quality turbidity testing 2X today; contractor stopped work early today due to an exceedance of the river water quality turbidity parameter, the hot weather, and the weekend.

Upcoming Work

- Continue installing the cofferdam.
- Continue excavation of the river portion of Cell #1.
- Continue operating the WTP.
- Stage the house on 6th Street in preparation for Tuesday's move.

Personnel on Site

RETEC: Dennis Metz

Subcontractor(s): Brian B. + Richard L./Test America

Visitor(s): Louise Bardy/Ecology

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Equipment housekeeping + inspection; sunscreen and hydration with the sunny hot weather.

DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)

WCC receiving river fill material.

WCC loaded 24 waste containers (at ~30K lbs ea. = 720,000 lbs).

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.

RETEC Personnel performing the River Water Quality turbidity testing and oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

Submitted a written report (via e-mail) to the Department of Ecology regarding the exceedance of the turbidity parameter this afternoon.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

The mid-afternoon river water quality down-stream turbidity test, exceeded the allowable turbidity parameter. RETEC informed the WCC supervisor of the turbidity exceedance, and to shut down the excavation activity taking place in Cell #1.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Louise B./Ecology had several questions today while observing the work at the Levee:

1. Can WCC be working on the shoring installation at the same time they're working in the river?
Ans: Yes, given the plan is approved, the equipment and labor is available, and the houses are moved.
2. Will the river be backfilled through the turbid / oily water that is presently in Cell #1?
Ans: Talk with Mike Byers about that one.
3. Is WCC presently screening the material being excavated from Cell #1?
Ans: No, this material has too much oil staining and is being sent off.
4. Is WCC going to install 2 more Aqua Barriers at the West end of Cell #2, for a total of 4 barriers?
Ans: I thought I read in their TEP that once the cofferdam was completed that they intended to move one of the two barriers presently at Cell #1 to the west end of Cell #2. I'll have to check the TEP again to be sure.

Volume of Water Treated: ??? gallons

Total Discharged to Date: ??? gallons

Date: 7/23/06

Completed by: Dennis Metz



Daily Report

Date:	7/24/06 (Monday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	M-60's to M-90's	
Weather:	Clear and hot.	
Rainfall:	None	
		RETEC, P.O. Box 220, Skykomish, WA 98288
		Site Phone: 360-677-2565
		Site Fax: 360-677-2618

Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
0650- Wilder H&S mtg.
- RETEC personnel inspected and inventoried the RR-car waste containers;
- Wilder river crew installing the cofferdam with a washed sand filter between the primary and secondary cofferdams;
- Wilder excavator loaded the Cell#1 drained spoils material into side-dump trailer and hauled to the RR-Yard stockpile area;
- Wilder and RETEC performing the soil verification sampling in Cell #1;
- Wilder Water Treatment Plant operating 24/7;
- RETEC and Grette Associates are removing the fish from the temporary Cell #2 area;
- WCC excavator (JD 350D) excavating in Cell #1;
- Wilder RR-Yard stockpile crew loaded impacted material into the RR-cars 24 waste containers;
- RETEC performed the river water quality turbidity testing 3X today.

Upcoming Work

- Continue installing the cofferdam.
- Continue verification sampling and excavation of the river portion of Cell #1.
- Continue operating the WTP.
- Move the Teacherage and Moore houses to the House Storage area on the East end of Railroad Avenue.

Personnel on Site

RETEC: Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz, Dan Berlin, Chip Bracket, Don Sherman

Subcontractor(s): Brian B. + Richard L./Test America, Alex/Argus, Larry Lehman/Grette Associates

Visitor(s): Richard Thomas/Ecology

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Eye wash stations – keep clear for emergency usage; Access Road near WTP also needs to be kept clear for emergency vehicles should they be needed on W. River Drive.

DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)

WCC receiving river fill material.

WCC loaded 24 waste containers (at ~30K lbs ea. = 720,000 lbs).

MEETINGS HELD

None

MONITORING PERFORMED

Argus technician performed the air monitoring and sampling, and noise monitoring.

RETEC Personnel performing the River Water Quality turbidity testing and oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

Two Cell #1 soil verification samples were submitted for analysis to the on-site mobile lab: SKY-SED-A02, SKY-SED-B02.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

Submitted a written report (via e-mail) to the Department of Ecology regarding the exceedance of the turbidity parameter this afternoon.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

RETEC gave WCC direction to modify the Primary Cofferdam wall configuration, in accordance with a verbal directive for the Department of Ecology. The Primary Cofferdam is to be only 2 bags wide by 2 bags tall.

RETEC gave WCC verbal direction to purchase a Gunder Boom to control the oil and turbidity inside of the cells during excavation work.

RETEC received verbal instruction from Richard Thomas of the Department of Ecology to modify the River Water Quality sampling drawing location to be more out into the open river channel in a line with the cofferdam perimeter. The sampling point is otherwise at the same location of the river that was previously agreed upon.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

WCC was having some GPS satellite acquisition problems today and this slowed the Cell #1 Soil Verification process.

Daily Discharge: ??? gallons

Total Discharged to Date: gallons

Date: 7/24/06

Completed by: Dennis Metz

[, Report

Date: 7/26/06 (Wednesday) Temp: M-50's to M-80's Weather: Mostly clear and mildly cool. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
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Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
 0650- Wilder H&S mtg.
 - RETEC personnel inspected the heavy equipment prior to being allowed in the river to work;
 - RETEC personnel inspected and inventoried the RR-car waste containers;
 - Wilder river crew continue installing the cofferdam;
 - Wilder excavator loading the ell #1 excavation spoils into side-dumps and hauled to the RR-yard stockpile area;
 - Wilder excavator cleaning the rip-rap slope near the WTP for the west end cofferdam tie-in;
 - Wilder Water Treatment Plant operating 24/7;
 - WCC excavators (JD 350D and CAT 350L) excavating in Cell #1;
 - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 18 waste containers;
 - RETEC performed the river water quality turbidity testing 3X today.

Upcoming Work

- Continue installation of the cofferdam.
- Continue excavation of the river portion of Cell #1.
- Continue operating the WTP.

Personnel on Site

RETEC: Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): ???/Ecology

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: ???

Wilder Incident: Excavator broke a hydraulic line which sprayed onto the exhaust and causes a lot of smoke and maybe(?) a small fire. Operator and nearby crew reacted quickly and put the (?) fire out.

DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)

WCC receiving river fill material.

WCC loaded 18 waste containers (at ~30K lbs ea. = 540,000 lbs).

MEETINGS HELD

RETEC and WCC had a meeting about the long term project schedule.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.

RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

Two samples were submitted to the mobile lab for analysis: SKY-SED-B07A, SKY-SED-C08A.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

Submitted a written report (via e-mail) to the Department of Ecology regarding the exceedance of the turbidity parameter this afternoon.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

The mid-afternoon river water quality down-stream turbidity test, exceeded the allowable turbidity parameter. RETEC informed the WCC supervisor of the turbidity exceedance, and to shut down the excavation activity taking place in Cell #1.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

WCC reported oil sheen and product coming out when the excavator began clearing the shoreline slope near the WTP for the west tie-in of the cofferdam.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 7/28/06

Completed by: Dennis Metz

Report



Date: 7/27/06 (Thursday) Temp: L-60's to L-80's Weather: Clear and mild to warm. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
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Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam, and the Cofferdam inspection;

0650- Wilder H&S mtg.

- RETEC personnel inspected the heavy equipment prior to being allowed in the river to work;
- RETEC personnel inspected and inventoried the RR-car waste containers;
- Wilder river crew completed the cofferdam tie-in at the west end of the Levee Remediation area;
- Wilder river crew began pulling up the PVC line along the inside cofferdam;
- Wilder excavator began excavating around the Mitchell septic tanks;
- Wilder loaded the spoils from the Cell #1 river excavation into side-dump trucks hauled to the RR-yard Stockpile area;
- Wilder Water Treatment Plant operating 24/7;
- WCC excavators (JD 350D and CAT 350L) excavating in Cell #1 Grid 'D' and pulling soil verification samples;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 24 waste containers;
- RETEC performed the river water quality turbidity testing and Cofferdam inspection 3X today.

Upcoming Work

- Continue excavation of the river portion of Cell #1.
- Continue operating the WTP.
- Fish removal from the last cofferdam cell.

Personnel on Site

RETEC: Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): Bob /Ecology

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Back Injury safety training.

DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)

WCC receiving river fill material.

WCC loaded 24 waste containers (at ~30K lbs ea. = 720,000 lbs).

MEETINGS HELD

RETEC Sky Team weekly construction mtg.

MONITORING PERFORMED

Argus technician performing the air monitoring and noise monitoring.

RETEC Personnel performing the River Water Quality turbidity testing and Cofferdam oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

RETEC installed the Project sign at the House Storage area on Railroad Avenue.

ANALYSIS SUBMITTED

Fifteen soil verification samples submitted to the on-site mobile lab; SKY-SED-C09A, SKY-SED-B07B, SKY-SED-B06A, SKY-SED-C08B, SKY-SED-09B, SKY-SED-C07A, SKY-SED-06, SKY-SED-C04, SKY-SED-Z01, SKY-SED-C03, SKY-SED-C02,

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

Weekly river water quality monitoring results faxed to the Department of Ecology.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Cat 350L long Stick excavator down most of the morning waiting for repairs.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 7/28/06

Completed by: Dennis Metz

Report

Date:	7/28/06 (Friday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	U-50's to L-70's	
Weather:	Mostly cloudy and mild, turning clear and mild.	
Rainfall:	None	
		RETEC, P.O. Box 220, Skykomish, WA 98288
		Site Phone: 360-677-2565
		Site Fax: 360-677-2618

Summary of Field Activities

- 0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
0650- Wilder H&S mtg.
- RETEC personnel inspected and inventoried the RR-car waste containers;
 - Wilder river crew completed the cofferdam liner placement and placed sand between the cofferdams from the west end through about half way through the Cell #2 area.;
 - Wilder JD 350D excavator loaded the Cell #1 spoils material into side-dump trucks hauling to the RR-Yard stockpile area;
 - Wilder excavator excavated out around the Mitchell septic tanks and salvage one of the tanks along with the pump and level controls from the second tank, which was damaged and not salvageable;
 - Wilder Water Treatment Plant operating 24/7;
 - WCC excavator CAT 350L Long Stick excavated in Cell #1 and sampled;
 - RETEC crew removed the fish from the third and final cofferdam cell;
 - Wilder deflated the west (white) Aqua Barrier at the Cell #1/#2 interface, late this afternoon;
 - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 24 waste containers;
 - Wilder RR-Yard crew screening some materials;
 - RETEC performed the river water quality turbidity testing 3X today.

Upcoming Work

- Install the Aqua Barrier on Cell #2/3, and replace the barrier with an internal FIBC cofferdam.
- Continue excavation of the river portion of Cell #1 and sampling.
- Continue operating the WTP.
- Continue loading the RR-Car waste containers.

Personnel on Site

RETEC: Sarah Albano, Aaron Huntington, Dennis Metz, Dan Berlin

Subcontractor(s): Richard L./Test America

Visitor(s): Diane/EnviroIssues

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Wear PFDs near the Cell #1 excavation.

RETEC Near Miss Report: During the fish recovery operation this afternoon, a RETEC person standing along the shoreline assisting the fish crew in the river, was inadvertently put into a hazardous situation when an excavator operated by Wilder nearly swung a suspended load over them while relocating the load along the river shore.

DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)

WCC receiving river fill material.

WCC loaded 24 waste containers (at ~30K lbs ea. = 720,000 lbs).

Conco (telebelt) packed up equipment in preparation to demobilize from the site.

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.

RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

The EnviroIssues person contact Mr. John Robinson today about his noise complaints, and found out that Mr. Robinson gets off of work on a normal day at 1530 Hours.

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

Submitted a written report (via e-mail) to the Department of Ecology regarding the exceedance of the oil sheen parameter between the cofferdams yesterday.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

WCC was given verbal approval to make modifications to the Water Treatment System influent piping to re-plumb the existing "Backwash" tank to take in part of the Influent flow

OUT OF SCOPE WORK - SCHEDULE IMPACTS

WCC excavated and salvaged one of the two Mitchell septic tanks, and salvaged the pump and control floats from the septic tank (unsalvageable) septic tank. This was performed under WCC T&M, with no impact to the schedule.

GENERAL REMARKS

WCC requested the on site Test America mobile lab be available on Saturday (normal hours are Monday –Friday) to analyze soil samples. This request for Saturday analytical work was approved by both RETEC and Test America.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 7/28/06

Completed by: Dennis Metz

Final Report

Date:	7/22/06 (Saturday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	M-60's to M-90's	
Weather:	Mostly cloudy and mild to hot.	
Rainfall:	None	
		RETEC, P.O. Box 220, Skykomish, WA 98288
		Site Phone: 360-677-2565
		Site Fax: 360-677-2618

Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
0650- Wilder H&S mtg.
- Wilder personnel inspected the RR-car waste containers;
- Wilder excavator loaded the Cell#1 drained spoils material into side-dump trailer and hauled to the RR-Yard stockpile area;
- Wilder Water Treatment Plant operating 24/7;
- WCC excavators (JD 350D and CAT 350L) excavating in Cell #1;
- Wilder RR-Yard stockpile crew loading impacted material into RR-car waste containers;
- Wilder crew power screening the materials in the RR-Yard Staging area;
- Wilder loading oversize material into side-dump trailers and hauling to City burn dump stockpiles area;
- Wilder crew placing Gunder boom in Cell 1;
- RETEC inventoried the RR-car waste containers
- RETEC performed the river water quality turbidity testing 2X today; contractor stopped work early today

Upcoming Work

- Continue excavation of the river portion of Cell #1,
- Continue operating the WTP.

Personnel on Site

RETEC: Sarah Albano, Katie Hendrickson

Subcontractor(s): Richard L./Test America

Visitor(s): None

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Use proper tools (such as ladders instead of pallets).

DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)

WCC loaded 24 waste containers (at ~30K lbs ea. = 720,000 lbs).

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.

RETEC Personnel performing the River Water Quality turbidity testing and oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation samples were submitted: SKY-PRO-D01A, SKY-SOIL-E02, SKY-SOIL-E01, SKY-PRO-D03, SKY-PRO-Z02 (duplicate of SKY-PRO-D03), SKY-SOIL-E03, SKY-PRO-D04.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Louise Bardy called and approved samples SKY-SED-A05, SKY-SED-A04, SKY-SED-B04, SKY-SED-B05, SKY-SED-A03, SKY-SED-A06, SKY-SED-B08, SKY-SED-B09, SKY-SED-B10, SKY-SED-B03

Volume of Water Treated: ??? gallons **Discharged during midnight to noon shift:** 591,879 gallons

Date: 7/29/06

Completed by: Sarah Albano

[, Report

Date:	7/29/06 (Saturday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	M-50's to M-70's	
Weather:	Mostly cloudy and mild to hot.	
Rainfall:	None	
		RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618

Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
0650- Wilder H&S mtg.
- Wilder personnel inspected the RR-car waste containers;
- Wilder excavator loaded the Cell#1 drained spoils material into side-dump trailer and hauled to the RR-Yard stockpile area;
- Wilder Water Treatment Plant operating 24/7;
- WCC excavators (JD 350D and CAT 350L) excavating in Cell #1;
- Wilder RR-Yard stockpile crew loading impacted material into RR-car waste containers;
- Wilder crew power screening the materials in the RR-Yard Staging area;
- Wilder loading oversize material into side-dump trailers and hauling to City burn dump stockpiles area;
- Wilder crew placing Gunder boom in Cell 1;
- Wilder crew moved white aqua barrier
- RETEC inventoried the RR-car waste containers
- RETEC performed the river water quality turbidity testing 2X today; contractor stopped work early today

Upcoming Work

- Continue excavation of the river portion of Cell #1.
- Continue operating the WTP.

Personnel on Site

RETEC: Sarah Albano, Katie Hendrickson

Subcontractor(s): Richard L./Test America

Visitor(s): None

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Use proper tools (such as ladders instead of pallets).

DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)

WCC loaded 24 waste containers (at ~30K lbs ea. = 720,000 lbs).

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.

RETEC Personnel performing the River Water Quality turbidity testing and oil sheen monitoring.

ST EHOLDER/MEDIA ISSUES

John Robinson complains of work on the railyard after 7 p.m.. Investigate at 8 p.m., no activity on railyard. Fuel truck had been on-site per Heather Crockford.

ANALYSIS SUBMITTED

The following confirmation samples were submitted: SKY-PRO-D01A, SKY-SOIL-E02, SKY-SOIL-E01, SKY-PRO-D03, SKY-PRO-Z02 (duplicate of SKY-PRO-D03), SKY-SOIL-E03, SKY-PRO-D04.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Louise Bardy called and approved samples SKY-SED-A05, SKY-SED-A04, SKY-SED-B04, SKY-SED-B05, SKY-SED-A03, SKY-SED-A06, SKY-SED-B08, SKY-SED-B09, SKY-SED-B10, SKY-SED-B03

Volume of Water Treated: ??? gallons **Discharged during midnight to noon shift:** 591,879 gallons

Da 7/29/06

Completed by: Sarah Albano

Report

Date: 7/31/06 (Monday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp: M-50's to M-70's	
Weather: Partly cloudy to mostly clear.	
Rainfall: None	
RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618	
Summary of Field Activities	
0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam; 0650- Wilder H&S mtg. - RETEC personnel inspected and inventoried the RR-car waste containers; - Wilder excavator direct loaded the Cell#1 spoils material into side-dump trailer and hauled to the RR-Yard stockpile area; - Wilder Water Treatment Plant operating 24/7- backflushed GACs, repaired 2 valves broken due to operator error; - WCC excavators (JD 350D and CAT 350L) excavating in Cell #1; - Wilder RR-Yard stockpile crew loading impacted material into RR-car waste containers; - Wilder crew power screening the materials in the RR-Yard Staging area; - Wilder crew re-positioned Gunder boom in Cell #1 - RETEC performed the river water quality turbidity testing 3X today;	
Upcoming Work	
- Continue excavation of the river portion of Cell #1. - Continue operating the WTP.	
Personnel on Site	
RETEC: Sarah Albano, Aaron Huntington, Mike Byers	
Subcontractor(s): Richard L./Test America	
Visitor(s): None	
Other Site Activity	
SAFETY/ISSUES MEETINGS	
Safety topic: Use proper tools (such as ladders instead of pallets).	
DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site)	
WCC loaded Teacherage foundation (2 sidedump trucks)	
WCC loaded 24 waste containers (at ~30K lbs ea. = 720,000 lbs).	
MEETINGS HELD	
None.	
MONITORING PERFORMED	
RETEC personnel performing the air monitoring and noise monitoring.	
Wilder and RETEC personnel performing Water Treatment Plant monitoring.	
RETEC Personnel performing the River Water Quality turbidity testing and oil sheen monitoring.	

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation samples were submitted: SKY-PRO-D01B, SKY-PRO-D05, SKY-PRO-D06, SKY-PRO-D07, SKY-PRO-D08, SKY-PRO-D09, and SKY-PRO-Z03 (blind field duplicate of SKY-PRO-D09).

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Louise Bardy e-mailed and approved samples SKY-SED-C09A, SKY-SED-B06A, SKY-SED-C08B, SKY-SED-C09B, SKY-SED-C07A, SKY-SED-C06, SKY-SED-C03, SKY-SED-C02, SKY-SED-C05A, SKY-SED-C01, and SKY-SED-DO2.

Volume of Water Treated: ??? gallons **Discharged during midnight to noon shift:** 606,608 gallons

Date: 7/31/06

Completed by: Sarah Albano

Report

Date: 8/01/06 (Tuesday) Temp: L-50s to M-70's Weather: Mostly cloudy to partly sunny and mild. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Summary of Field Activities	
0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam; 0650- Wilder H&S mtg. - RETEC personnel inspected and inventoried the RR-car waste containers; - Wilder river crew assisted the WTP crew in moving the pump and intake from Cell #1 to Cell #2; - Wilder installed a rope mop oil skimmer in Cell #1 to remove the product and removed an estimated 150 gallons today; - Wilder excavator (CAT 350L) finished excavating in Cell #1 following the removal of the pump intake; - Wilder Water Treatment Plant operating 24/7 and removed sludge from two tanks; - WCC excavators (JD 350D, Komatsu PC 220 and CAT 350L) began excavating in Cell #2; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 24 waste containers; - RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today.	
Upcoming Work	
- Continue oil removal from Cell #1 - Continue excavation of the river portion of Cell #2. - Continue operating the WTP and sludge removal from three tanks.	
Personnel on Site	
RETEC: Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz	
Subcontractor(s): Brian B. + Richard L./Test America, Scott/Argus	
Visitor(s): Susan Lee/Ecology	
Other Site Activity	
SAFETY/ISSUES MEETINGS Safety topic: Cofferdam crew is to wear poly-tyvek when working.	
DELIVERIES/SHIPMENTS (list number of loads of soil/debris removed from site) WCC received rope mop oil skimmer. WCC loaded 24 waste containers (at ~30K lbs ea. = 720,000 lbs).	
MEETINGS HELD Weekly Construction Meeting with RETEC and Wilder. Weekly Construction Update meeting with RETEC, Ecology, EnviroIssues, and City of Skykmish	
MONITORING PERFORMED Argus technician performed the air monitoring and sampling, and noise monitoring. RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.	
STAKEHOLDER/MEDIA ISSUES None	

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted: SKY-SED-C10A, SKY-SED-A13, SKY-SED-A11, SKY-SED-Z04, SKY-PRO-D10, SKY-SED-A20, SKY-SED-A14, SKY-SED-A19, SKY-SED-A15, SKY-SED-A16, SKY-SED-A17, and SKY-SED-A18.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

RETEC gave Wilder verbal permission to pump the sludge from the WTP to the excavation adjacent to the west end of W. River Drive on the south side of the project area.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

None of the waste containers had holes in them today.

Officer Ron Harrington/County Sheriff Deputy informed me that the equipment parked on 7th Street was obstructing the new "Stop" and "Pedestrian" signs that were installed at the intersection and that if someone were to then get hurt at that intersection, there would most likely be a liability suit to deal with. Officer Harrington said that it would be a good idea to either remove the equipment or to remove the signs.

Several ducks were found in the river cells this morning soaked in oil. The Washington Department of Fish and Wildlife were contacted and they passed on the names of several animal rescue groups. Two people from the group PAWS arrived and worked closely with RETEC personnel to capture and remove two of the ducks from the site. One duck escaped down river and a fourth duck was never spotted again, and its whereabouts are unknown.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 8/01/06

Completed by: Dennis Metz

Daily Report

Date:	8/02/06 (Wednesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L-50's to M-70's	
Weather:	Mostly clear and mild.	
Rainfall:	None	
		RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618

Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
0650- Wilder H&S mtg.
- RETEC personnel inspected and inventoried the RR-car waste containers;
- Wilder river crew began working on the turbidity curtain in Cell #2, but were reassigned to the oil recovery work in Cell #1;
- WCC excavators (JD 240D and CAT 350L) excavating in Cell #2 this morning;
- Wilder crew collecting debris from the oily area in Cell #1;
- Wilder excavator loading the spoils from the Cell #2 excavation work;
- NRC vacuum truck on site to help remove oil from Cell #1;
- Wilder Water Treatment Plant operating 24/7 and cleaning sludge out of the tanks;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 24 waste containers;
- Wilder RR-yard crew screened material today;
- DB Davis person at House Storage area to finish securing some of the house doors and windows;
- RETEC performed the river water quality turbidity testing 3X today.

Upcoming Work

- Implement additional turbidity remedial measures in Cells #2 and #3.
- Continue excavation of the river portion of Cell #2.
- Continue operating the WTP.

Personnel on Site

RETEC: Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): Susan Lee, Jeanne Tran, Bob Wright, Brian Sato/Ecology

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Fall protection for the oil skimmer crew.

DELIVERIES/SHIPMENTS

WCC receiving sand fill material.

WCC loaded 24 waste containers (at ~30K lbs ea. = 720,000 lbs).

WCC mobilized a second Rope Mop Oil Skimmer to the site.

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.

RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

RETEC personnel collected and delivered the Water Treatment Plant discharge NPDES samples to the lab.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

Transmitted the daily River Water Quality forms for the past week to the Dept. of Ecology.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

A telephone call to Mike Byers/RETEC from the Dept. of Ecology this morning at about 0900 Hours regarding the removal of the oil from Cell #1 by the end of today; caused Wilder to re-prioritize the day's crews and activities. The crew is working late to complete the oil removal task.

A stream of high turbidity at the downstream of the cofferdam caused a shut down of the excavation work at Cell #2 at about 1130 hours. The turbidity at the compliance point (80-ft from shore) was within the 5-NTU requirement and was not an exceedance.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Da 8/02/06

Completed by: Dennis Metz

Daily Report

Date:	8/03/06 (Thursday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L-50's to M-70's	
Weather:	Clear to p-cloudy and mild.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	None	

Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of the cofferdam;
0650- Wilder H&S mtg.

- RETEC personnel inspected and inventoried the RR-car waste containers;
- NRC Environmental Services crews on site last night, today and tonight to mop up the oil in Cell #1;
- Wilder crew installing an additional liner and sand bags in the inside of the cofferdam in Cell #2 and also finishing attaching steel cable to the bottom edge of the boom curtain to make it hang down;
- Wilder crew using the mini-excavator to excavate a key trench about 2-feet deep along the west cofferdam in Cell #3 and hanging a liner into the trench and backfilling with the excavated materials;
- Wilder Water Treatment Plant operating 24/7 and cleaned the sludge out of one tank;
- WCC excavator (CAT 350L) assisted moving the sand bags to the north side of Cell #2 ;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 24 waste containers;
- Wilder RR-Yard crew screened and stockpiled material;
- RETEC performed the river water quality turbidity testing and the cofferdam inspection 3X today.

Upcoming Work

- Continue excavation of the river portion of Cell #2.
- Continue operating the WTP.
- Continue mop up of the oil on Cell #1.

Personnel on Site

RETEC: Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): Susan Lee, Louise Bardy, Brian Sato/Ecology, Two Dept. of Ecology Spill Response personnel.

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Fall Protection on the oil skimmer crew.

Incident Report: During the morning cofferdam inspection, D. Metz attempted to pull up the liner on the secondary cofferdam. His wet gloves slipped off of the wet PVC liner material and he fell backwards into the water between the primary and secondary cofferdams and he got wet. He also scraped the inside of his left arm on a bulk bag during the fall.

DELIVERIES/SHIPMENTS

WCC receiving River Scour Fill material.

WCC loaded 24 waste containers (at ~30K lbs ea. = 720,000 lbs).

MEETINGS HELD

BNSF, RETEC, and WCC met to discuss alternatives for an Accelerated Project Schedule following the completion of the in-river work and the potential costs associated with the alternatives.

RETEC internal weekly construction conference call.

BNSF, RETEC, NRC Env. Serv., and Dept. of Ecology met to review the oil management and wildlife management plans.

MC TORING PERFORMED

Argus technician performing the air monitoring and sampling and the noise monitoring.
RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

None – no excavation work today.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

No excavation in the river cells today due to the turbidity issues on Wednesday. WCC crews spent the day addressing the cofferdam leakage issues on the North side of Cell #2 and the West side of Cell #3.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 8/03/06

Completed by: Dennis Metz

Daily Report

Date:	8/04/06 (Friday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L-50's to M-70's	
Weather:	Mostly clear to p-cloudy and mild.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	None	

Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
0650- Wilder H&S mtg.
- RETEC personnel inspected and inventoried the RR-car waste containers;
- Wilder river crew installed a road out to the Northwest corner of Cell #1 and began taking down the inner cofferdam and backfilling the Cell #1 river excavation;
- Wilder Water Treatment Plant operating 24/7 and cleaning sludge out of one tank;
- WCC long stick excavator (CAT 350L) excavating in Cell #2;
- Ecology requested the re-excavation of a 25-foot square grid centered on the intersection of Grids B/C and 8/9.
- WCC mobilized the CAT 350L Long Stick excavator from the Cell #2 work, back over to Cell#1 to re-excavate the requested grid;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 24 waste containers;
- Wilder RR-Yard crew screened and stockpiled material;
- B. Mavros/Dept of Fish & Wildlife approved the Scour Fill material for use in the river;
- NRC crew continued oil recovery and mop up activities in Cell #1;
- RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today.

Upcoming Work

- will continue excavation of the river portion of Cell #2.
- WCC will continue operating the WTP.
- WCC will continue the backfilling of Cell #1 using the inner cofferdam FIBCs.
- NRC continues oil recovery operations.

Personnel on Site

RETEC: Sarah Albano, Aaron Huntington, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): Richard Thomas + David Brentlinger/Ecology, Bill Marvos/Dept of Fish& Wildlife

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Pre-Task Planning

DELIVERIES/SHIPMENTS

WCC receiving river Scour Fill material.

WCC loaded 24 waste containers (at ~30K lbs ea. = 720,000 lbs).

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.

RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

LEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted: SKY-SED-B12, SKY-SED-B13, SKY-SED-B14, SKY-SED-B15, SKY-SED-B16, SKY-SED-B17, SKY-SED-B18, SKY-SED-B/C 8/9.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

At Dept. of Ecology's request, RETEC directed WCC to re-excavate one (in between) Grid area, which Ecology says doesn't meet the performance requirement of a "clean verification sample and no oily blebs". Ecology personnel said that they were not approving this Grid for "backfilling". The 25' X 25' grid (of concern) was centered on the intersection of grids B/C, and 8/9

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

NRC wasn't able to finish the oil mop up in Cell #1 today. NRC will have a 2-man crew on site overnight and a full crew to finish the clean-up tomorrow. A plan was developed to cover the site for the weekend given an oil problem develops.

WCC considers the work to go back into Cell #1 to re-excavate Grid B/C-8/9, as directed by the Dept. of Ecology, to be T&I work.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 8/04/06

Completed by: Dennis Metz

Daily Report

Date:	8/05/06 (Saturday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Temp:	L-50's to M-80's	
Weather:	Clear and cool, to clear and warm.	
Rainfall:	None	

Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
0650- Wilder H&S mtg.
- RETEC personnel inspected and inventoried the RR-car waste containers;
- Wilder crew backfilling the Cell #1 area – a single row of bags remains on the Primary cofferdam from the first Aqua Barrier to the NE corner, and the PVC liner was pulled up over the row of bags;
- NRC Env. Serv. crews finishing mopping up Cell #1 and began removing oil from Cell #2 area, they mobilized a vacuum truck to the site (which wasn't planned to come back until Monday) due to the volume of oil Cell #2 was producing;
- Wilder excavator loading the large clean rock from the RR-Yard and moving it to the Levee area;
- Wilder Water Treatment Plant operating 24/7;
- WCC CAT 350L Long Stick excavator excavating in Cell #2;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 24 waste containers;
- RETEC performed the river water quality turbidity testing and the cofferdam inspection 3X today.

Upcoming Work

- WCC will continue excavation of the river portion of Cell #2.
- WTP will continue operating the WTP.
- RR-Yard crew continue to load out material to the RR-Car waste containers.
- NRC Env. Serv. crew(s) will continue oil recovery work on site.

Personnel on Site

RETEC: Aaron Huntington, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): None

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Eye contact between equipment operator and ground personnel;

DELIVERIES/SHIPMENTS

WCC receiving river fill material.

WCC loaded 24 waste containers (at ~30K lbs ea. = 720,000 lbs).

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.

RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted: SKY-SED-B19, SKY-SED-B20, SKY-SED-B21, VDL-PRO-B13, VDL-PRO-C11, VDL-PRO-C12, VDL-PRO-C13, VDL-PRO-C14, VDL-PRO-D12, VDL-PRO-D11, SKY-SED-C13, SKY-SED-C14.

The samples designated "VDL-PRO-###" are the Above-VDL Pre-Characterization soil samples taken at the Teacherage area, based on the Grid map sent out by S. Howard on 8-4-06.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Cell #1 did not have product over the river cell this morning as it has had the past few mornings. There was a fairly light sheen over about a quarter of the Cell #1 area, with some floating product in the contained area along the shoreline and east end.

Turbidity continues to leak out of Cell #2 outside (under) the cofferdam into the river. The River Water Quality test at the downstream (DS) compliance point (80-feet offshore) continues to meet the turbidity requirements of 5NTU over background. The turbid channel flow is presently inside of this compliance point, but remains somewhat concentrated with readings of 65 and 75 NTU just 10-feet inside of the DS compliance point.

WCC's day ended at 1700 Hours.

NRC Env. Serv. crew(s) continue to mop up oil in Cell #1 and Cell #2.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 8/05/06

Completed by: Dennis Metz

Daily Report

Date:	8/07/06 (Monday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L-50's to M-80's	
Weather:	Clear to p-cloudy and cool, then warm.	
Rainfall:	None	
		RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618

Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
0650- Wilder H&S mtg.
- RETEC personnel inspected and inventoried the RR-car waste containers;
- Wilder crew grading the river backfill in Cell#1 and placing rip-rap and scour zone materials;
- Wilder loaded the rip-rap material stockpiled at the RR-Wye and hauled it to the Levee area;
- Wilder JD 350D excavator loaded out the spoils material from Cell #2 into side-dump trailers and hauled to the RR-Yard;
- NRC crews recovering oil from the Cell #1 and #2 areas;
- Wilder Water Treatment Plant operating 24/7;
- WCC CAT 350L excavator excavating the "C-Grid" in Cell #2 until another hydraulic line broke;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers;
- Wilder RR-yard crew screened material today from the Above-VDL (Teacherage) area;
- RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today.

Upcoming Work

- WCC will continue excavation of the river portion of Cell #2.
- WCC will continue operating the WTP.
- WCC will continue loading RR-car containers.
- NRC will continue running crews 24-hours to control the oil in the cells.

Personnel on Site

RETEC: Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): Richard Thomas/Ecology

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Employee Responsibilities, Equipment inspections, PFD's along cut bank in Cell #1.

DELIVERIES/SHIPMENTS

WCC loaded 36 waste containers (at ~30K lbs ea. = 1,080,000 lbs).

MEETINGS HELD

None.

MONITORING PERFORMED

Argus technician performing the air monitoring and sampling and the noise monitoring.
RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted: SKY-SED-C15.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted the July 31, 2006 Daily Report.

WCC submitted the Weekly WTP summary reports for Week Ending: 7-22-06, 7-29-06, and 8-5-06.

WCC submitted a one page invoice (period unknown) with no cover page, and no explanation of T&M or backup.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

The excavation of the C-Grid line in Cell #2 liberated large quantities of product today.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 8/07/06

Completed by: Dennis Metz

Daily Report

Date: 8/08/06 (Tuesday) Temp: U-50's to M-80's Weather: Mostly cloudy and mild to clear and warm. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Summary of Field Activities	
0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam; 0650- Wilder H&S mtg. - RETEC personnel inspected and inventoried the RR-car waste containers; - Wilder crew backfilling Cell #1 with River fill and Scour Zone materials; - Wilder excavator loading the Cell #2 excavation spoils and hauling to the RR-yard Stockpile area; - Wilder excavator removing the oil stained rock and debris in the NE corner of Cell #1, then began excavating the seepage area along the shoreline near the primary cofferdam; - Wilder Water Treatment Plant operating 24/7; - WCC excavator CAT 350L excavating the river portion of Cell #2; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers; - WCC RR-yard crew screening materials from the Levee area; - RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today.	
Upcoming Work	
- WCC will continue excavation of the river portion of Cell #2. - WCC will continue operating the WTP. - WCC will continue the backfilling of Cell #1. - WCC will continue the excavation of the seepage area in the eastern edge of Cell #1 on Wednesday. - NRC will continue oil recovery operations at the site.	
Personnel on Site	
RETEC: Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz, Rich Truax, Halah Voges, Jamie Stevens	
Subcontractor(s): Richard L./Test America, Alex Stephenson/NWAA	
Visitor(s): Susan Lee/Ecology, Hillary /EnviroIssues	
Other Site Activity	
SAFETY/ISSUES MEETINGS	
Safety topic: Personnel to wear their PFD's working in the river. RETEC-Seattle H&S Supervisor visited site and discussed some observations and noted some areas for improvement.	
DELIVERIES/SHIPMENTS	
WCC receiving river fill material. WCC loaded 24 waste containers (at ~30K lbs ea. = 720,000 lbs).	
MEETINGS HELD	
Weekly Construction Meeting with RETEC and WCC. Weekly Construction Update Meeting with RETEC, Ecology, and EnviroIssues.	
MONITORING PERFORMED	
RETEC personnel performing the air monitoring and noise monitoring. RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.	

ST EHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted to the on-site mobile lab: SKY-SED-C16, SKY-SED-C17, SKY-SED-C18, and SKY-Ramp-east

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted an updated Water Treatment Plant data package for July 2006.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

RETEC gave

OUT OF SCOPE WORK - SCHEDULE IMPACTS

Excavation of the seep along the eastern edge of Cell #1.

GENERAL REMARKS

H. Voges and D. Metz filled out the draft of the NPDES Discharge Monitoring Report.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Da 8/09/06

Completed by: Dennis Metz

Daily Report

Date: 8/09/06 (Wednesday) Temp: L-60's to M-70's Weather: Mostly cloudy and mild. Rainfall: Trace	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
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Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
 0650- Wilder H&S mtg.

- RETEC personnel inspected and inventoried the RR-car waste containers;
- Wilder crew backfilling Cell #1 with River fill and Scour fill materials using excavator and 2 loaders;
- Wilder excavated a small portion of the Eastern edge of Cell #1, but product still seeping from cut bank edge;
- Wilder excavator loading Cell #2 spoils materials into trucks hauling to the RR-Yard Stockpile area;
- Wilder Water Treatment Plant operating 24/7;
- WCC excavators CAT 350L excavating in Cell #2;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 24 waste containers;
- RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today.
- RETEC observed a slight sheen covering about 3-4 sq.ft. area outside of the cofferdam, but within the containment curtain, and north of the Cell #3 area. Absorbent pads were used to mop up the sheen and no sheen was observed further downstream.

Upcoming Work

- RETEC will continue excavation of the river portion of Cell #2.
- WCC will continue operating the WTP.
- WCC will continue the backfilling of Cell #1.
- Sample of quarry rip-rap material will be delivered to the site on Thursday for approval.
- NRC will continue oil recovery operations at the site.

Personnel on Site

RETEC: Sarah Albano, Aaron Huntington, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): Louise Bardy/Ecology, Tom Bean/King County –Flood Hazard

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Slippery surfaces- rainy weather, flammable storage in cabinet, Safety Awareness Training – Unsafe Acts.

DELIVERIES/SHIPMENTS

WCC receiving river fill and scour zone materials.
 WCC loaded 24 waste containers (at ~30K lbs ea. = 720,000 lbs).
 WCC received delivery of the rock crusher.

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.
 RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

ST EHOLDER/MEDIA ISSUES

Skykomish resident (lives at 4th Street and Railroad Avenue) approached D. Metz/RETEC to lodge a complaint against the contractor, due to a 0230 Hour delivery of equipment to the RR-yard, which included loud backup alarms. The complaint was passed on to the contractor.

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted to the on-site mobile lab: SKY-SED-C19, SKY-SED-C20, and SKY-SED-C-21.

The Water Treatment Plant NPDES samples were submitted to the off-site lab via courier service.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

E-mail message sent off to L. Bardy and J. Tans/ Ecology regarding a slight sheen observed outside of the cofferdam on the north side, but within the containment curtain.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

D. Metz requested assistance from NRC to mop up some product and oil sheen within the WTP Cell #2 sump area, since there is the possibility that the sheen that leaked to the outside of the cofferdam may have originated from there.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

Excavation work at the eastern edge of Cell #1.

GENERAL REMARKS

Informal discussions between RETEC and WCC , this morning, regarding the product seeping out of the eastern eadge of Cell #1 and possible alternatives to stopping the flow.

NRC estimated 300-gallons of product was recovered from the site Tuesday night and into today about mid-afternoon. NRC also started up the 6-inch Rope Mop Skimmer this afternoon to control the oil product along the eastern edge of Cell #1.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 8/09/06

Completed by: Dennis Metz

Field Report

Date: 8/10/06 (Thursday) Temp: U-50's to M-90's Weather: Mostly cloudy and mild. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
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Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
0650- Wilder H&S mtg.
- RETEC personnel inspected and inventoried the RR-car waste containers;
- Wilder crew;
- Wilder;
- Wilder excavator;
- Wilder Water Treatment Plant operating 24/7;
- WCC excavators CAT 350L excavating in Cell #2;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 24 waste containers;
- RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today.

Upcoming Work

- Continue excavation of the river portion of Cell #2.
- Continue operating the WTP.

Personnel on Site

RETEC: Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): Susan Lee/Ecology

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Equipment housekeeping + inspection;

DELIVERIES/SHIPMENTS

WCC receiving river fill material.

WCC loaded 24 waste containers (at ~30K lbs ea. = 720,000 lbs).

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.

Argus technician performing the air monitoring and sampling and the noise monitoring.

RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted:

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Bruce S/BNSF informed RETEC that the Rabanco facility had a derailment and containers would be sporadic for at least the next few days, but possibly up to a week.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 8/10/06

Completed by: Dennis Metz

Daily Report

Date: 8/11/06 (Friday) Temp: M-50's to M-70's Weather: Overcast and mildly cool. Rainfall: Trace	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
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Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
 0650- Wilder H&S mtg.
 - RETEC personnel inspected and inventoried the RR-car waste containers;
 - Wilder crew backfilling in Cell #1 with river rock and Structural Fill materials;
 - NRC crews recovering oil in both Cells #1 and #2;
 - Wilder excavator JD 240 moving the Cell #2 spoils to the south side of W. River Drive, then switched to the JD 350D when the Hitachi 450 arrived;
 - Wilder Water Treatment Plant operating 24/7;
 - WCC excavator JD 350D excavating in Cell #2, then switched to the Hitachi 450LC when it arrived at about 1045 Hrs;
 - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 24 waste containers;
 - Wilder RR-Yard crew crushing rock this afternoon and transporting to Levee area;
 - RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today. >Turbidity Exceedance (see Submittals below).

Upcoming Work

- RETEC will continue excavation of the river portion of Cell #2.
- WCC continue operating the WTP.
- NRC crew will continue 24-Hr operation to recover the oil.
- WCC will continue to backfill Cell #1.

Personnel on Site

RETEC: Sarah Albano, Aaron Huntington, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): Ron Timm/Ecology

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Accidents and Notifications

DELIVERIES/SHIPMENTS

WCC receiving river fill and structural fill materials.
 WCC loaded 24 waste containers (at ~30K lbs ea. = 720,000 lbs).

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.
 RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.
 RETEC performed noise monitoring at the rock crusher this afternoon.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted: SKY-PRO-D11, SKY-PRO-D12, SKY-PRO-D13, SKY-PRO-D14, SKY-PRO-D15, SKY-PRO-D16, and CITY YARD CRUSH (crusher rock sample).

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted the daily reports for the date 8/1/06 to 8/4/06 – all reports a week⁺ late.

RETEC submitted an Exceedance Report to the Dept. of Ecology today, regarding the turbidity exceedance which occurred at the downstream compliance point this afternoon. The turbidity exceedance occurred on two of the testing rounds today; with readings in the 9 and 10 NTU range respectively. Also included was the report on the minor sheen observed outside of the cofferdam on Thursday, which was a re-occurrence of the sheen report to Ecology on Wednesday.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

NRC estimated that about 50-gallons of oil was recovered from the NE corner of Cell #1 overnight on Thursday, thereby producing at a rate of < 5-gallons /hour.

During the Cell #2 excavation activity today, NRC was estimating that it was recovering an average of 120-130 gallons/hour.

Tom Davis/NRC was on site this afternoon, in response to a request by RETEC on the possibility of reducing the crew by not working nights. Tom looked at the oil that was being recovered in Cell #2 and he said that he doubted that he would be able to reduce the crew size this weekend, if they were going to control this amount of oil. Tom mentioned that he was going to suggest on Monday about changing this work to a "BNSF Project", which would reduce the cost by changing the labor rates.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 8/11/06

Completed by: Dennis Metz

Daily Report

Date: 8/12/06 (Saturday) Temp: M-50's to U-60's Weather: Clear to p-cloudy and mild. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
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Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
 0650- Wilder H&S mtg.
 - RETEC personnel inspected and inventoried the RR-car waste containers;
 - Wilder excavator and loader crew backfilling Cell #1;
 - NRC set up a second rope mop skimmer on Cell #2 today to handle the oil;
 - Wilder excavator (JD350D) transferring the Cell #2 spoils from the north to the south side of W. River Drive;
 - Wilder Water Treatment Plant operating 24/7;
 - WCC Hitachi 450LC excavator was excavating in Cell #2;
 - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 24 waste containers;
 - RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today, and had a turbidity exceedance at the Downstream Compliance Point.

Upcoming Work

- WCC will continue excavation of the river portion of Cell #2.
 - WCC will continue operating the WTP 24/7.
 - NRC will recover oil with crews working 24 hours over the weekend.
 - RETEC will continue to backfill Cell #1.

Personnel on Site

RETEC: Sarah Albano, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): None

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Body positioning and lifting.

Mark J./WCC H&S officer had some personnel business to attend to , and Mike Cabe filled in as the WCC H&S Officer for the day.

Incident: A RETEC vehicle backed into a Wilder employee's personal vehicle today, causing some minor damage to the other vehicle.

DELIVERIES/SHIPMENTS

WCC importing river fill, structural fill and rip-rap materials.

WCC loaded 24 waste containers (at ~30K lbs ea. = 720,000 lbs).

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.

RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted: SKY-PRO-D17, SKY-PRO-D18, SKY-SED-C19A, SKY-PRO-D19, SKY-PRO-D20, CITY-YARD-CRUSH-2.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

Several grids in Cell #2 had to be over-excavated today.

GENERAL REMARKS

CAT 350L Long Stick excavator down for repair all day.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 8/12/06

Completed by: Dennis Metz

Daily Report

Date: 8/14/06 (Monday) Temp: L-50's to M-80's Weather: Clear and cool. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618	
Summary of Field Activities	
0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam; 0650- Wilder H&S mtg. - No RR-cars with containers today; - Wilder crew using excavator and two loaders are backfilling Cell #1; - NRC crews managing the oil recovery effort in Cells #1 and #2; - Wilder excavator JD 350D loading out the Cell #2 spoils pile to the RR-yard stockpile area; - Wilder Water Treatment Plant operating 24/7, now pumping out of Cell #3; - WCC excavators Hitachi 450 dug new sump and began excavating in Cell #3; - Wilder RR-Yard stockpile crew managing the incoming spoils material from Cell #2; - RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today, with one turbidity exceedance occurring at the mid-afternoon reading.	
Upcoming Work	
- WCC will continue excavation of the river portion of Cell #3. - WCC will continue operating the WTP. - WCC continuing to manage the oil recovery. - WCC will continue to backfill Cell #1.	
Personnel on Site	
RETEC: Mike Byers, Aaron Huntington, Dennis Metz	
Subcontractor(s): Richard L./Test America	
Visitor(s): Richard Thomas/Ecology	
Other Site Activity	
SAFETY/ISSUES MEETINGS Safety topic: Pinch points;	
DELIVERIES/SHIPMENTS WCC receiving river fill and structural fill materials. WCC received delivery of an excavator.	
MEETINGS HELD None.	
MONITORING PERFORMED Argus technician performing the air monitoring and sampling and the noise monitoring. RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.	
STAKEHOLDER/MEDIA ISSUES None	

ANALYSIS SUBMITTED

The following six confirmation soil samples were submitted to the Mobile Lab: SKY-SED-B24, SKY-SED-B25, SKY-SED-A24, SKY-SED-B26, SKY-SED-B27, and SKY-SED-B28.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

Turbidity Exceedance report was e-mailed to the Department of Ecology today, for exceedances on Saturday and today. City of Skykomish gave approval to move and operate the Rock Crusher at the City Burn Dump.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Excavation work began on the river portion of Cell #3 today, although there are grids in Cell #2 which have yet to be completed, including Grids C-12 (first sample); C-19, D-15, D-17, D-21 and D-22(need re-sampling); and D-21 (needs excavation and sampling).

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 8/14/06

Completed by: Dennis Metz

Daily Report

Date:	8/15/06 (Wednesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L-50's to M-70's	
Weather:	Clear to mostly cloudy and mild.	
Rainfall:	None	
		RETEC, P.O. Box 220, Skykomish, WA 98288
		Site Phone: 360-677-2565
		Site Fax: 360-677-2618

Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
0650- Wilder H&S mtg.
- RETEC personnel inspected and inventoried the RR-car waste containers;
- Wilder crew backfilling in Cell #1 placing river fill into the excavation;
- Wilder crew began removing the cofferdam bags in Cell #2 and emptying them into a stockpile in the river north of the excavation
- NRC crews managing the oil recovery in Cells #1 and #2.
- Wilder JD 3250D excavator loading Cell #3 spoils and hauling to the RR-Yard stockpile area;
- Wilder Water Treatment Plant operating 24/7;
- WCC excavator Hitachi 450LC excavating in Cell #3;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers;
- Wilder made a temporary repair of the leaking water line on 5th Street;
- WCC had the Rock Crusher moved from the RR-yard to the City Burn Dump;
- RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today, with one turbidity exceedance occurring at the mid-afternoon reading.

Upcoming Work

- WCC will continue excavation of the river portion of Cell #3.
- WCC will continue operating the WTP.
- WCC will continue backfilling in Cell #1, and begin Cell #2 as soon as the excavation topography survey was completed.
- NRC crew to continue the oil management effort.

Personnel on Site

RETEC: Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): Louise Bardy and Susan Lee/Ecology

Other Site Activity**SAFETY/ISSUES MEETINGS**

Safety topic: Safety acronyms, and NRC crew working on the close vicinity of equipment.

DELIVERIES/SHIPMENTS

WCC receiving river fill and structural fill materials.

WCC loaded 36 waste containers (at ~60K lbs ea. = 4,320,000 lbs).

MEETINGS HELD

Weekly Construction Meeting – RETEC, WCC, and NRC.

Weekly Construction update meeting – Ecology, City of Skykomish, EnviroIssues, and RETEC

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.

RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted: SKY-SED-C28, SKY-SED-C27, SKY-SED-C26, SKY-SED-C25, SKY-SED-C24, and SKY-SED-C12.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 8/15/06

Completed by: Dennis Metz

Daily Report

Date: 8/16/06 (Wednesday) Temp: M-50's to M-60's Weather: Cloudy and mild. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
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Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
 0650- Wilder H&S mtg.
 - No RR-cars with waste containers today;
 - Wilder crew backfilling in Cell #2 with the inner cofferdam FIBCs;
 - NRC crews continue managing the oil recovery in all three cell of WCC operations;
 - Wilder excavator 350L re-excavates cells D17 and D20 in Cell #2;
 - Wilder Water Treatment Plant operating 24/7;
 - WCC excavator Hitachi 450LC excavating in Cell #3;
 - Wilder RR-Yard stockpile crew managing the incoming impacted material into RR-yard;
 - RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today;
 - Wilder city yard crew crushing rocks.

Upcoming Work

- Continue excavation of the river portion of Cell #3.
 - Continue operating the WTP.
 - Continue backfilling Cell #2.
 - Continue crushing rocks at city yard.

Personnel on Site

RETEC: Sarah Albano, Aaron Huntington, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): Susan Lee/Ecology, Rick Thomas/Ecology, and Bob Wright/Ecology

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Review of acronyms;

DELIVERIES/SHIPMENTS

WCC receiving river fill and structural fill materials.

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.

RETEC personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted: SKY-PRO-D28, SKY-PRO-D27, SKY-PRO-Z05 (duplicate of D27), SKY-PRO-D26, SKY-PRO-D25, SKY-PRO-D17A, and SKY-PRO-D20A

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

Instruct WCC to re-excavate cells D20, D17, C21, and C19 an additional 2 feet per Ecology .

OUT OF SCOPE WORK - SCHEDULE IMPACTS

Additional excavation in cells D20 and D17.

GENERAL REMARKS

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 8/16/06

Completed by: Sarah Albano

Daily Report

Date: 8/17/06 (Thursday) Temp: M-50's to L-70's Weather: Cloudy and mild. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
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Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
 0650- Wilder H&S mtg.
 - No RR-cars with waste containers today;
 - Wilder crew backfilling in Cell #2 with the inner cofferdam FIBCs;
 - NRC crews continue managing the oil recovery in all three cell of WCC operations;
 - Wilder excavator 350L re-excavates cells D17 and D20 in Cell #2;
 - Wilder Water Treatment Plant operating 24/7;
 - WCC excavator Hitachi 450LC excavating in Cell #3;
 - Wilder RR-Yard stockpile crew managing the incoming impacted material into RR-yard;
 - RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today;
 - Wilder city yard crew crushing rocks.

Upcoming Work

- Continue excavation of the river portion of Cell #3.
- Continue operating the WTP.
- Continue backfilling Cell #2.
- Continue crushing rocks at city yard.

Personnel on Site

RETEC: Sarah Albano, Aaron Huntington, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): Susan Lee/Ecology, Rick Thomas/Ecology, and Bob Wright/Ecology

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Review of acronyms;

DELIVERIES/SHIPMENTS

WCC receiving river fill and structural fill materials.

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.

RETEC personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted: SKY-PRO-D28, SKY-PRO-D27, SKY-PRO-Z05 (duplicate of D27), SKY-PRO-D26, SKY-PRO-D25, SKY-PRO-D17A, and SKY-PRO-D20A

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

Instruct WCC to re-excavate cells D20, D17, C21, and C19 an additional 2 feet per Ecology

OUT OF SCOPE WORK - SCHEDULE IMPACTS

Additional excavation in cells D20 and D17.

GENERAL REMARKS

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 8/16/06

Completed by: Sarah Albano

Daily Report

Date: 8/18/06 (Friday) Temp: M-50's to H-70's Weather: Clear. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
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Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
 0650- Wilder H&S mtg.
 - Wilder excavates cells D00 and C00 in Cell #1 and D24 in Cell #2;
 - Wilder crew backfilling in Cell #2;
 - NRC crews continue managing the oil recovery in all three cell of WCC operations;
 - Wilder Water Treatment Plant operating 24/7;
 - Wilder RR-Yard stockpile crew managing the incoming impacted material into RR-yard;
 - RETEC performed the river water quality turbidity testing 7x today and cofferdam inspection 3X today;
 - Wilder city yard crew crushing rocks.

Upcoming Work

- Continue excavation of the river portion of Cell #3.
- Continue operating the WTP.
- Continue backfilling Cell #2.
- Continue crushing rocks at city yard.

Personnel on Site

RETEC: Katie Hendrickson, Aaron Huntington, Mike Byers

Subcontractor(s): Richard L./Test America

Visitor(s): Ron Timm/Ecology

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: PPE

DELIVERIES/SHIPMENTS

WCC receiving river fill and structural fill materials.

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.

RETEC personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted: SKY-SED-C00, SKY-PRO-D11 and SKY-PRO-D24

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

Excavation of cells C00 and D00 near bridge

GENERAL REMARKS

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 8/18/06

Completed by: Katie Hendrickson

Daily Report

Date:	8/19/06 (Saturday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	M-50's to H-70's	
Weather:	Clear	
Rainfall:	None	
		RETEC, P.O. Box 220, Skykomish, WA 98288
		Site Phone: 360-677-2565
		Site Fax: 360-677-2618

Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
0650- Wilder H&S mtg.
- Wilder excavates cells B22 and B23 in Cell #2;
- Wilder crew backfilling in Cell #2;
1045 - In-water work suspended due to water quality issues;
1300 --WCC begins grading area next to cofferdam where turbidity appears to be coming from to place the Aquabarrier
1330 – Continue backfilling operations with conveyor belt in Cell #2
1440 – All in-water work stopped due to water quality issues;
1530 – Finish placement of Aquabarrier along cofferdam without equipment travel inside the cofferdam;
- RETEC performed the river water quality turbidity testing 6x today and cofferdam inspection 3X today;
- NRC crews continue managing the oil recovery in all three cell of WCC operations;
- Wilder Water Treatment Plant operating 24/7;
- Wilder city yard crew crushing rocks.

Upcoming Work

- Continue excavation of the river portion of Cell #3.
- Continue operating the WTP.
- Continue backfilling Cell #2.
- Continue crushing rocks at city yard.

Personnel on Site

RETEC: Katie Hendrickson, Aaron Huntington

Subcontractor(s): Richard L./Test America

Visitor(s): Ron Timm/Ecology

Other Site Activity**SAFETY/ISSUES MEETINGS**

Safety topic: recycling traffic

DELIVERIES/SHIPMENTS

None

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.

RETEC personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted: SKY-SED-B22 and SKY-SED-B23

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

Instruct WCC to stop work at 1450 due the River quality turbidity results

OUT OF SCOPE WORK - SCHEDULE IMPACTS

GENERAL REMARKS

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 8/19/06

Completed by: Katie Hendrickson

Daily Report

Date:	8/21/06 (Monday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L-50's to M-70's	
Weather:	Mostly clear and mild, turning cloudy and mild.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	None	

Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
0650- Wilder H&S mtg.
- RETEC personnel inspected and inventoried the RR-car waste containers;
- WCC crew and equipment installing rip-rap material in the Cell #2 area;
- Wilder excavation activity was shut down from approximately 1200 - 1600 Hours, due to high river turbidity;
- Wilder crew installed the 2nd Aqua Barrier in Cell #3 along the north cofferdam for turbidity control measure;
- NRC crew managing the oil in Cell #3 and sheens on the exterior of the cofferdam, north of Cells #2/3;
- Wilder excavator moving the Cell #3 excavation spoils to the south side of the W. River Drive;
- Wilder Water Treatment Plant operating 24/7;
- WCC excavator CAT 350L long stick excavating in Cells #2/3;
- WCC backfilling in Cell #2 with dozer
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 30 waste containers;
- WCC loader operator was managing the imported river fill material being stockpiled at the RR-Wye area;
- RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today, with a turbidity exceedance measured downstream late this morning. Additional performance turbidity testing was also performed downstream of the compliance point.

Upcoming Work

- WCC will continue excavation of the river portion of Cell #3.
- WCC will continue operating the WTP.
- WCC will continue backfilling the cells.
- NRC crews will continue oil management 24/7.

Personnel on Site

RETEC: Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): Richard Thomas/Ecology

Other Site Activity**SAFETY/ISSUES MEETINGS**

Safety topic: Equipment operator and laborer eye contact; heavy truck traffic;

DELIVERIES/SHIPMENTS

WCC receiving river fill, structural fill and rip-rap materials.

WCC loaded 30 waste containers (at ~60K lbs ea. = 1,800,000 lbs).

MEETINGS HELD

None.

MONITORING PERFORMED

Argus technician performing the air monitoring and sampling and the noise monitoring.

RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

ST EHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted: SKY-SED-C21A, SKY-SED-C22, SKY-SED-C23, SKY-SED-A22, SKY-PRO-D22, SKY-PRO-Z06 (a duplicate of SKY-PRO-D22), SKY-PRO-D21, SKY-PRO-D23, SKY-SOIL-E24.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

RETEC submitting the turbidity exceedance report to the Department of Ecology.

WCC submitted (in the last few work days) the Invoice for the period 8/1/06 to 8/14/06.

DOE has given approval, via e-mail, to backfill Grids C-19, B-01, B-22, and B-23.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

Work was stopped at 1200 to address turbidity exceedances. The blue aquabarrier was placed along the southside of the coffer dam in Cell #3.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

The Power Screen has been taken down and is waiting for demobilization off site.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 8/01/06

Completed by: Dennis Metz

Daily Report

Date: 8/22/06 (Tuesday) Temp: L-50's to M-70's Weather: Mostly clear and mild. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
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Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
 0650- Wilder H&S mtg.
 - No RR-car waste containers today;
 - Wilder excavator CAT 350L excavating in Cell #3, until work stoppage at 1230 Hours due to turbidity exceedance;
 - Wilder crushing rock at the City Burn Dump;
 - NRC crew managing the oil recovery inside and outside of the cofferdam, also re-hung some of the missing mylar strips along the cofferdam as part of the bird deterrent measures;
 - Wilder excavator loading out trucks at the levee with the Cell #3 spoils materials, starting this afternoon;
 - Wilder Water Treatment Plant operating 24/7;
 - Wilder crew installed a 4-foot deep trench on the north side of Cell #3 and installed liner and backfilled as a turbidity control measure, and reversed the wing dam at the NE corner of the Cofferdam so that it diverted the water out into the main channel;
 - WCC RR-Yard stockpile crew managing the incoming spoils from the levee this afternoon;
 - RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today., with a downstream (DS) turbidity exceedance measured before work started this morning. Additional DS turbidity performance sampling was also performed today.

Upcoming Work

- WCC will continue excavation of the river portion of Cell #3, when the turbidity level allows.
- WCC will continue operating the WTP.
- NRC will start cutting back on the night crew.

Personnel on Site

RETEC: Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): Susan Lee/Ecology, Hillary/EnviroIssues, Clint Stanovsky/city of Skykomish

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Open forum for crew to discuss H&S issues and /or suggestions.

DELIVERIES/SHIPMENTS

WCC receiving river fill and rip-rap material.

WCC loaded NO waste containers today (at ~60K lbs ea. = 0 lbs).

MEETINGS HELD

Weekly Construction Meeting with RETEC, WCC, and NRC.

Weekly Construction Update meeting with RETEC, Dept of Ecology, City of Skykomish, and EnviroIssues.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.

RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

ST .EHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted: SKY-SOIL-E20, SKY-SOIL-E21, and SKY-SOIL-Z07.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

RETEC submitted notification of Turbidity Exceedances to the Department of Ecology today.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

WCC installed turbidity control measures in the river today.

GENERAL REMARKS

WCC informed RETEC that they area going to import River Fill material from the Rinker Quarry, and WCC will absorb the cost differential on the material in order to get the material on site.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 8/01/06

Completed by: Dennis Metz

Daily Report

Date: 8/23/06 (Wednesday) Temp: L-50's to U-60's Weather: Mostly cloudy to partly sunny and mild. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Summary of Field Activities	
0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream (DS) of diversion dam, and the DS turbidity at the compliance point was in exceedance and no river work could begin; 0650- Wilder H&S mtg. - RETEC personnel inspected and inventoried the RR-car waste containers; - The DS River Water Quality turbidity sample complied with the test requirement and river work was resumed at 0900 Hours; - Wilder crew working with Conco telebelt to backfill the SE corner of Cell #1; - NRC crew providing oil recovery and management inside and outside of the cofferdam; - Wilder excavator, CAT 350L long stick, finished excavating the river portion of Cell #3 today; - Wilder excavator loading out material from the Cell #3 excavation and the overburden along the school yard, hauling to RR-Yard; - Wilder Water Treatment Plant operating 24/7; - WCC and the Conco telebelt worked together this afternoon, following the second DS turbidity exceedance, to install turbidity control measures in Cell #3; - WCC RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers and managing incoming impacted materials; - Wilder crushing rock at the City Burn Dump; - RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today, and additional compliance and performance testing due to the DS turbidity exceedances	
Upcoming Work	
- WCC will continue the backfilling of the cells as the turbidity measurements allow. - WCC will continue operating the WTP. -	
Personnel on Site	
RETEC: Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz, Merv Coover	
Subcontractor(s): Richard L./Test America	
Visitor(s): Susan Lee/Ecology, Diane Adams/EnviroIssues	
Other Site Activity	
SAFETY/ISSUES MEETINGS Safety topic: Remove hitches from Pick-up trucks when not being used.	
DELIVERIES/SHIPMENTS WCC receiving river fill, structural fill and rip-rap materials. WCC loaded 36 waste containers (at ~60K lbs ea. = 2,160,000 lbs).	
MEETINGS HELD None.	
MONITORING PERFORMED RETEC personnel performing the air monitoring and noise monitoring. RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.	

S1 .EHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted to the on-site mobile lab: SKY-SOIL-E22, SKY-SOIL-E23, and SKY-SOIL-E25.

The Water Treatment System discharge NPDES water samples were collected and couriered to the Test America lab in Bothell, WA.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

RETEC submitted a Turbidity Exceedance notification to the Department of Ecology today.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

RETEC received notification from the Department of Ecology that the following grids were okay for backfill: C20, D25, D26, D27, D28, D29, E26, E27, E28, E29, D00, D24, A22, C22, C23, D22, D21, D23, E24, E21, and E20.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

Standby time for some crews when Downstream turbidity failed to meet the compliance requirements.

GENERAL REMARKS

The River Excavation work was completed today and all of the remaining soil verification samples meeting the required cleanup levels. Telebelt crew worked until 8 pm.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 8/23/06

Completed by: Dennis Metz

Daily Report

Date:	8/24/06 (Thursday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	M-50's to U-60's	
Weather:	Mostly cloudy and mild.	
Rainfall:	None	
		RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618

Summary of Field Activities

0630- RETEC performed the river water quality (River WQ) – background testing – upstream and downstream of cofferdam;
- River WQ downstream turbidity exceedance;
0650- Wilder H&S mtg.
- No river work due to the turbidity exceedance, Conco tele-belt placing turbidity control (structural fill) material along Cell #3 south side;
- RETEC personnel inspected and inventoried the RR-car waste containers;
- Wilder began removing the asphalt road (W. River Dr.) nearest the WTP in preparation to start the uplands excavation;
0830- RETEC performing the River WQ DS and the turbidity was within acceptable 5 NTU limit;
0845- Wilder crew working in the river placing rip-rap materials in Cells #1 and #2;
1230- RETEC performing the River WQ testing DS measured a turbidity exceedance and river work was shut down;
- Wilder began excavating the upper portion (above ground water) of the upland area on the west end, leaving the road;
- Wilder Water Treatment Plant operating 24/7;
- Wilder crew deconning the power screener today in preparation to demobilize;
- NRC managing the oil recovery inside of the cells and outside of the cofferdam;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers;
- RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today, along with additional performance testing and river transectional water testing. The River WQ DS turbidity continued to be in exceedance the rest of the day.

Upcoming Work

- WCC will begin excavation of Cell #3 Upland.
- WCC will continue operating the WTP.
- NRC continuing daily oil sheen management.

Personnel on Site

RETEC: Sarah Albano, Aaron Huntington, Dennis Metz

Subcontractor(s): Scott/Argus

Visitor(s): None

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Fatal Facts: Laborer run over by a truck on a road paving job (not WCC).

DELIVERIES/SHIPMENTS

WCC receiving river fill, stabilization fill and rip-rap materials.
WCC loaded 36 waste containers (at ~60K lbs ea. = 2,160,000 lbs).

MEETINGS HELD

Weekly RETEC internal conference call construction update.

MONITORING PERFORMED

Argus technician performing the air monitoring and sampling and the noise monitoring.
RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

RETEC personnel laid out the temporary School Emergency Escape route from the north side school exit. King County council is to visit the site on Friday.

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted: None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted Daily Reports for 8/15/06 to 8/21/06.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

Turbidity control measures in Cell #3.

GENERAL REMARKS

NRC crew is now working from 0700 to 1900 hours daily, possibly 7 days/week.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Da' 8/24/06

Completed by: Dennis Metz

Daily Report

Date: 8/25/06 (Friday) Temp: M-50's to M-70's Weather: Mostly clear to partly cloudy and mild. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
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Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam, turbidity passed, but had a DS oil sheen in the river;
0650- Wilder H&S mtg.
- RR-car were not changed out last evening – No train;
- Wilder crew placing rip-rap material in Cell #1, backfilling river fill in Cell #2 ;
- NRC crew managing the oil recovery inside of the cofferdam and oils sheen outside of the cofferdam;
- Wilder removing the road and the overburden material off of the Cell #3 and part of the Cell #2 Upland areas;
- Wilder excavators passing spoils material from the Cell #3 Upland excavation to 6th street to be loaded into trucks;
- Wilder Water Treatment Plant operating 24/7;
- Wilder excavated a soft area, which began to pump an oily material to the surface, out of the RR-yard rail loading area today;
- WCC excavator Komatsu 450L excavating in the Upland Cell #3 area;
- Wilder RR-Yard stockpile crew loading impacted material into truck containers;
1900- WCC and NRC crews shut down for the day
- RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today, and additional performance monitoring due to the turbidity exceedance late this morning.

oming Work

- WCC will continue excavation of Cell #3 Upland area.
- WCC will continue the River Cell backfilling operations, as DS river turbidity allows.
- WCC will continue operating the WTP.
- NRC continuing daily oil recovery and sheen management.

Personnel on Site

RETEC: Sarah Albano, Aaron Huntington, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): Susan Lee + Louise Bardy/Ecology, Penny/EnviroIssues

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: WCC had a fork lift accident within the Everett office (not Sky);

DELIVERIES/SHIPMENTS

WCC receiving river fill and rip-rap materials.
WCC loaded no RR-car waste containers (at ~60K lbs ea. = 0 lbs). Train not switched.
WCC loaded 38 Truck mounted waste containers (at ~60K lbs ea. ≈ 2,280,000 lbs).

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.
RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

ST .EHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted: SKY-SOIL-G29, SKY-SOIL-G29-919, SKY-SOIL-G28, SKY-SOIL-F28, SKY-SOIL-F/G28-915, SKY-SOIL-F27 and SKY-SOIL-G27.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

RETEC e-mailed a turbidity exceedance notification to Ecology for yesterday's exceedance..

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 8/25/06 – 8/26/06

Completed by: Dennis Metz

Daily Report

Date:	8/26/06 (Saturday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	M-50's to M-80's	
Weather:	Sunny and warm.	
Rainfall:	None	
		RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618

Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
0650- Wilder H&S mtg.
- RETEC personnel inspected and inventoried the RR-car waste containers;
- Wilder crew backfilling Scour material in Cell #1 during the morning hours and no increase in turbidity was recorded in the river;
- NRC crew managing the oil recovery in the upland excavation area and oil sheen outside of the cofferdam, but within the booms;
- Wilder loaded crushed rock from the City Dump area and backfilled the 'sump' excavation in the RR-Yard loading area;
- Wilder and Conco tele-belt placed structural material in Cell #2 ;
- Wilder excavators passed the spoils from the west end of the upland excavation to 6th Street where it was loaded into trucks;
- Wilder Water Treatment Plant operating 24/7;
- WCC excavator Komatsu 450L excavating in Cell #3 Upland area;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars and truck mounted waste containers;
- RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today, and measured a turbidity exceedance at the DS compliance point during the 1430 Hour reading. Additional DS Performance samples were measured at that time.
1700-WCC off for the weekend;
- crew will work until 1900 Hours to recover oil in the uplands excavation area.

Upcoming Work

- WCC will continue excavation of Cell #3 Upland.
- WCC will continue operating the WTP.
- WCC will continue the River Cell backfilling operations, as DS turbidity compliance allows.
- NRC continuing daily oil recovery and sheen management.

Personnel on Site

RETEC: Sarah Albano, Dennis Metz
Subcontractor(s): Richard L./Test America
Visitor(s): None

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Near Miss; Container Transport truck operator was talking on his cell phone and drove around a RR-Crossing Gate as it was coming down. The operator was talking on the cell phone at the time and not paying attention to his driving. The driver then stopped on the track between the crossing gates, and had to be waved off of the crossing to get out of the way of the train. The train had been sitting at Skykomish and was just starting up when the incident occurred, so the train was moving slowly at the time.

DELIVERIES/SHIPMENTS

WCC receiving River fill and Scour materials.
WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).
WCC loaded 17 truck mounted waste containers (at ~60K lbs ea. ≈ 1,020,000 lbs).

THINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.

RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

EnviroIssues had a BNSF table at the Skykomish "Show & Shine" and the City baseball field today.

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted: SKY-SOIL-G26 and SKY-SOIL-F26.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

RETEC submitted a notification of exceedance to the Department of Ecology today for Friday's exceedance of turbidity and the visible sheen on the water during the morning reading at the DS compliance point.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 8/01/06

Completed by: Dennis Metz

Daily Report

Date:	8/28/06 (Monday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L-50's to M-70's	
Weather:	Clear and cool.	
Rainfall:	None	
		RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618

Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
0650- Wilder H&S mtg.
- RETEC personnel inspected and inventoried the RR-car waste containers;
- Wilder crew began placing the "root wads" in Cell #1 and the 36-inch boulders;
- NRC crew managing the oil recovery in the Cell #3 Upland excavation area and the sheen outside of the Cofferdam;
- Wilder installing Scour material in Cell #2 and grading;
- Wilder excavators bailing the Cell #3 upland spoils to the 6th Street truck loading area;
- Wilder Water Treatment Plant operating 24/7;
- WCC excavator Hitachi 450L excavating in Upland Cell #3 area;
- Wilder RR-Yard stockpile crew loaded impacted material into 36 RR-car waste containers and 34 truck mounted containers;
- RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today, and measured a DS Compliance Point turbidity exceedance at the 1845 Hour measurement.

Upcoming Work

- WCC will continue excavation of Cell #3 Upland.
- WCC will continue operating the WTP.
- continuing daily oil recovery and sheen management.

Personnel on Site

RETEC: Sarah Albano, Aaron Huntington, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): Richard Thomas and Susan Lee/Ecology

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Reiterate the need for the PFDs when working near the water edge.

DELIVERIES/SHIPMENTS

WCC receiving Scour fill, Structural fill, and Rip-Rap materials.
WCC loaded 36 waste containers (at ~60K lbs ea. = 2,160,000 lbs).
WCC loaded 34 truck mounted waste containers (at ~60K lbs ea. ≈ 2,040,000 lbs).

MEETINGS HELD

None.

MONITORING PERFORMED

Argus technician performing the air monitoring and sampling and the noise monitoring.
RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted: SKY-SOIL-G25, SKY-SOIL-F25, SKY-SOIL-G24, AND SKY-SOIL-F24.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted the Daily reports for 8/22/06 and 8/23/06 – both are late submittals.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

The WTP began pumping water from both the river and upland excavation on Saturday 8-26-06.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 8/28/06

Completed by: Dennis Metz

Daily Report

Date:	8/29/06 (Tuesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L-50's to U-60's	
Weather:	Mostly cloudy and mildly cool.	
Rainfall:	None	
		RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618

Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
0650- Wilder H&S mtg.

- RETEC personnel inspected and inventoried the RR-car waste containers;
- Wilder excavator and loader(s) placing Scour Fill material in Cell #1;
- NRC continuing daily oil recovery and sheen management;
- Wilder dozer and 2 loaders placing and grading River Fill and Scour Fill materials in Cell #2 ;
- Wilder excavator sorting rock and boulders at the City Burn Dump;
- Wilder Water Treatment Plant operating 24/7;
- WCC excavator Hitachi 450L excavating in Upland Cell #3 area, with a 2nd excavator bailing the spoils to the 6th Street load-out area where a 3rd excavator is loading the trucks hauling to the RR-Yard Stockpile area;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 24 waste containers, and 36 truck mounted containers;
- Wilder loader began backfilling the Cell #3 Upland area;
- RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today. The DS Compliance Pt. turbidity at 1745 Hours was >25 NTU over background and under the Modification to the Agreed Order additional DS samples were taken at Maloney Creek and 1000-Ft DS.

Planning Work

- WCC will continue excavation of Cell #3 Upland.
- WCC will continue operating the WTP.
- NRC continuing daily oil recovery and sheen management.

Personnel on Site

RETEC: Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): Susan Lee and Louise Bardy/Ecology

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Equipment operators to be aware of ground personnel.

DELIVERIES/SHIPMENTS

WCC receiving River Fill, Scour Fill, and Rip-Rap materials.
WCC loaded 24 waste containers (at ~60K lbs ea. = 1,440,000 lbs).
WCC loaded 36 truck mounted waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).

MEETINGS HELD

Weekly Construction Meeting with RETEC and WCC.
Weekly Construction Update meeting with RETEC, Dept. of Ecology, EnviroIssues, and City of Skykomish.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.
RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

ST .EHOLDER/MEDIA ISSUES

School Board Meeting tomorrow evening, with presentation by RETEC and WCC regarding the work near the school.

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted: SKY-SOIL-G23, SKY-SOIL-F23, SKY-SOIL-G22, SKY-SOIL-F22, SKY-SOIL-G21, and SKY-SOIL-F21.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

Received Signed Washington Department of Ecology short-term Modification to the Water Quality part of the Agreed Order for the time period of August 29th through September 15, 2006.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

WCC was given the 'go ahead' to start backfilling the Cell #3 Upland excavation from the west end, after Dept. of Ecology gave its approval.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

RETEC was notified this morning of an issue with a high "pH value" for the water in the Upland Excavation area. The WTF pump inlet in the upland excavation had to be shut off and water only pumped from the river area.

RETEC is checking into the potential causes of the high pH since it was never an issue in any of the previous soil borings or water samples in the area.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 8/29/06

Completed by: Dennis Metz

Daily Report

Date: 8/30/06 (Wednesday) Temp: U-40's to M-60's Weather: Overcast and cool. Rainfall: 0.53 inches	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
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Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
0650- Wilder H&S mtg.
- RETEC personnel inspected and inventoried the RR-car waste containers;
- Wilder installing the 2nd tree wad;
- NRC continuing daily oil recovery and sheen management;
- Wilder relocated an excavator from the levee to the RR-yard Stockpile area to help manage some of the stockpiles;
- Wilder cleaned the rock crusher at the City Burn Dump in preparation for demobilization;
- Wilder Water Treatment Plant operating 24/7;
- WCC excavator Hitachi 450L excavating in Upland Cell #3 area;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers;
- RETEC performed the river water quality turbidity testing and cofferdam inspection

Upcoming Work

- WCC will continue excavation of Cell #3 Upland.
- WCC will continue operating the WTP.
- NRC continuing daily oil recovery and sheen management.

Personnel on Site

RETEC: Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz, Halah Voges

Subcontractor(s): Richard L./Test America

Visitor(s): Susan Lee, Jeanne Tran, Bob Wright/Ecology, Diane Adams/EnviroIssues

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Equipment inspections, PFD's near the excavation edges, and 3-points of contact on/off equipment.

DELIVERIES/SHIPMENTS

WCC receiving river fill material.
WCC loaded 36 waste containers (at ~60K lbs ea. = 2,160,000 lbs).
WCC loaded no truck mounted waste containers (at ~60K lbs ea. ≈ 0 lbs).

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the noise monitoring (too wet for dust monitors).
RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following samples were submitted to Test America, Seattle via lab courier:

SKY-NPDES-EFF-083006, SKY-NPDES-BKGD-083006, SKY-NPDES-INF-083006 for NPDES discharge monitoring and requested a 2 day TAT.

- SKY-8/28/06-pH1 and SKY-8/28/06-pH2 for pH testing; and
- SKY-RR-PROF-083006 for NWTPH-Dx (no SG), TCLP As and Pb, and Total PCBs for material excavated on the railyard.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted the Daily Report for Thursday 8-30-06.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

Turbidity control measures (placing scour rock berm) put in at 1700. Work stopped at 1830 due to high turbidity.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 8/30/06

Completed by: Dennis Metz and Sarah Albano

Daily Report

Date:	8/30/06 (Wednesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	U-40's to M-60's	
Weather:	Overcast and cool.	
Rainfall:	0.42 inches (as of 1030 Hours)	
		RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618

Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
0650- Wilder H&S mtg.
- RETEC personnel inspected and inventoried the RR-car waste containers;
- Wilder installing the 2nd and 3rd tree wads;
- NRC continuing daily oil recovery and sheen management;
- Wilder relocated an excavator from the levee to the RR-yard Stockpile area to help manage some of the stockpiles;
- Wilder cleaned the rock crusher at the City Burn Dump in preparation for demobilization;
- Wilder Water Treatment Plant operating 24/7;
- WCC excavator Hitachi 450L excavating in Upland Cell #3 area;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers;
- RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today.

Upcoming Work

- WCC will continue excavation of Cell #3 Upland.
- WCC will continue operating the WTP.
- NRC continuing daily oil recovery and sheen management.

Personnel on Site

RETEC: Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz, Halah Voges

Subcontractor(s): Richard L./Test America

Visitor(s): Susan Lee, Jeanne Tran, Bob Wright/Ecology, Diane Adams/EnviroIssues

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Equipment inspections, PFD's near the excavation edges, and 3-points of contact on/off equipment.

DELIVERIES/SHIPMENTS

WCC receiving river fill material.

WCC loaded 36 waste containers (at ~60K lbs ea. = 2,160,000 lbs).

WCC loaded no truck mounted waste containers (at ~60K lbs ea. ≈ 0 lbs).

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the noise monitoring (too wet for dust monitors).

RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted:

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted the Daily Report for Thursday 8-30-06.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 8/30/06

Completed by: Dennis Metz



Daily Report

Date:	8/31/06 (Thursday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	U-40's to L-70's	
Weather:	Mostly clear and mild.	
Rainfall:	None	
		RETEC, P.O. Box 220, Skykomish, WA 98288
		Site Phone: 360-677-2565
		Site Fax: 360-677-2618

Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
0650- Wilder H&S mtg.
- RETEC personnel inspected and inventoried the RR-car waste containers;
- Wilder installed tree wad, Scour material and rip-rap in Cell #2;
- NRC continuing daily oil recovery and sheen management.
- Wilder loaded end dumps at the RR-Wye with structural fill material and backfilled Cell #3 from the west end;
- Wilder excavator loaded the Cell #2 excavation spoils into trucks hauling to the RR-Yard stockpile area;
- Wilder Water Treatment Plant operating 24/7;
- WCC excavator Hitachi 450L excavating in Upland Cell #2 area;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 42 waste containers;
- RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today.

Upcoming Work

- WCC will continue excavation of Cell #2 Upland.
- WCC will continue operating the WTP.
- NRC continuing daily oil recovery and sheen management.

Personnel on Site

RETEC: Sarah Albano, Aaron Huntington, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): Susan Lee/Ecology

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Overall job safety.

DELIVERIES/SHIPMENTS

WCC receiving Scour Fill and Rip-Rap materials.

WCC loaded 42 waste containers (at ~60K lbs ea. ≈ 2,520,000 lbs).

MEETINGS HELD

None.

MONITORING PERFORMED

Argus technician performing the air monitoring and sampling and the noise monitoring.

RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted: SKY-SOIL- G20 and SKY-SOIL-F20.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted Daily Reports for 8-28-06 and 08-29-06.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

RETEC instructed WCC too re-orientate the wing dam on the outside west end of the cofferdam from the present outward angle to an inward angle.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 8/31/06

Completed by: Dennis Metz

Daily Report

Date: 9/01/06 (Friday) Temp: L-40's to U-70's Weather: Mostly clear and mild. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
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Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
 0650- Wilder H&S mtg.
 - RETEC personnel placed the air and noise monitors today;
 - Wilder dozer and loader crew placing and grading Scour material on the river Cell #3;
 - NRC continuing daily oil recovery and sheen management;
 - Wilder cleaning up the upland Cell #1 area in preparation for installing a haul road through the area;
 - Wilder excavator loading the upland excavation spoils material into side dump trucks hauling to the RR-Yard stockpile area;
 - Wilder Water Treatment Plant operating 24/7, and cleaning out the sludges from the tanks – vacuum truck on site;
 - WCC excavator Hitachi 450L excavating in Upland Cell #2 area;
 - Wilder RR-Yard stockpile crew managing the incoming spoils materials from the Uplands excavation work;
 - RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today.

Upcoming Work

- WCC will continue excavation of Cell #2 Upland.
- WCC will continue operating the WTP.
- NRC continuing daily oil recovery and sheen management.

Personnel on Site

RETEC: Sarah Albano, Aaron Huntington, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): Ron Timms/Ecology

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Wilder Accident Notifications for 2 Recordable injuries on the Skykomish project;

DELIVERIES/SHIPMENTS

WCC receiving Scour Fill material.
 WCC loaded no waste containers (at ~60K lbs ea. ≈ 0 lbs).
 WCC loaded no truck mounted waste containers (at ~60K lbs ea. ≈ 0 lbs).

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.
 RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted: SKY-SOIL-E19, SKY-SOIL-F19, SKY-SOIL-G19, and SKY-SOIL-H19

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted the Weekly WTF Summary Reports for week Ending Aug 8th and Aug 12th.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

WCC crews are shutting down early today for the labor Day weekend, except the WTP crew which will continue 24/7 operation. Presently no trains with containers are on site, but local WCC employees will check on both Saturday and Monday to see if a train has been delivered and they load it, if one arrives.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 9/01/06

Completed by: Dennis Metz

Daily Report

Date:	9/05/06 (Tuesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L-50's to M-70's	
Weather:	Clear and cool.	
Rainfall:	None	
		RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618

Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
0650- Wilder H&S mtg.
- RETEC personnel inspected and inventoried the RR-car waste containers;
- Wilder crew installed the 5th and 6th root wads in Cell #3, and Scour Fill and Rip-Rap material;
- NRC continuing oil recovery in upland excavation area and sheen management inside and outside of cofferdam;
- Wilder backfilling the upland excavation with the Stabilization and structural fill materials;
- Wilder excavator loading trucks at 6th Street with the upland excavation spoils hauling to RR-Yard stockpile area;
- Wilder Water Treatment Plant operating 24/7, and automating the pH monitoring and injection system;
- WCC excavator CAT 350L long stick excavating in Upland Cell #2 area;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers;
- RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today, and performed additional DS sampling in accordance with the Temporary Modification#2 to the Water Quality Turbidity Standards.

Upcoming Work

- WCC will continue excavation of Cell #2 Upland.
- WCC will continue operating the WTP.
- continuing daily oil recovery and sheen management.
- WCC will continue backfilling the upland excavation area north of the school.

Personnel on Site

RETEC: Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): Susan Lee/Ecology, Tom Bean/King County, Clint S./City of Skykomish

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Equipment inspections; and job site safety – cell phone usage.

DELIVERIES/SHIPMENTS

WCC receiving Scour Fill and Structural Fill materials.
WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).
WCC received delivery of vibratory roller compactor.
WCC received delivery of 72-inch ID manhole barrel section, top and bottom.

MEETINGS HELD

Weekly Construction meeting with RETEC, WCC, and NRC.
Weekly Construction Update Meeting with RETEC, Ecology, City of Skykomish, and EnviroIssues.

MONITORING PERFORMED

Argus technician performing the air monitoring and sampling and the noise monitoring, including sampling and monitoring at the school.
RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

ST EHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted: SKY-SOIL-H18, SKY-SOIL-G18, SKY-SOIL-F18, SKY-SOIL-E18 and SKY-SOIL-H17.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

Received Temporary Modification #2 to the Turbidity Standard from Department of Ecology.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

One container train delivered on Saturday and loaded, then picked up Monday night with train dropped off for today.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 9/05/06

Completed by: Dennis Metz

Daily Report

Date: 9/06/06 (Wednesday) Temp: L-50's to M-70's Weather: Clear and mild. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
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Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
 0650- Wilder H&S mtg.
 - RETEC personnel inspected and inventoried the RR-car waste containers;
 - Wilder crew backfilling the upland Cell #3 area with Structural fill material;
 - NRC continuing daily oil recovery and sheen management;
 - Wilder placing 36-inch Boulders and Scour Fill materials in Cell #3 river excavation area;
 - Wilder removing stabilization fill berm from Cell #2
 - Wilder excavator loading the upland excavation spoils into side-dump trucks hauling to the RR-Yard stockpile area;
 - Surveyors on site to check the School Control Points;
 - Wilder Water Treatment Plant operating 24/7;
 - WCC excavator CAT 350L excavating in Upland Cell #2 area, Grids E-G 17;
 - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers;
 - RETEC performed the river water quality turbidity testing throughout the day and cofferdam inspection 4X today.

Upcoming Work

- WCC will continue excavation of Cell #2 Upland.
- WCC will continue operating the WTP.
- NRC continuing daily oil recovery and sheen management.
- WCC will continue backfilling the uplands excavation area.

Personnel on Site

RETEC: Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): Susan Lee and Louise Bardy/Ecology

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Water treatment Plant – stairway slip/trip/falls.

DELIVERIES/SHIPMENTS

WCC receiving Scour Fill and Stabilization materials.
 WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).
 WCC loaded no truck mounted waste containers (at ~60K lbs ea. ≈ 0 lbs).

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring at railroad and school yard.
 RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.
 Wilder subcontractor performed compaction testing

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted: SKY-SOIL-G17, SKY-SOIL-F17, SKY-SOIL-E17 and SKY-SOIL-Z08 (a duplicate of SKY-SOIL-E17)

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

Instructed WCC to excavate cell E17 to elevation 901 ft NAVD88 per DOE direction following backfill of cell D17.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 9/01/06

Completed by: Dennis Metz

Daily Report

Date:	9/07/06 (Thursday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	U-40's to M-70's	
Weather:	Clear and mild.	
Rainfall:	None	
		RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618

Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
0650- Wilder H&S mtg.
- RETEC personnel inspected and inventoried the RR-car waste containers;
- Wilder crew finished the installation of the Scour material in Cell #3 river area, then began removing the temporary access road located east of 6th Street and installed the last root wad (#2), then installed Rip-Rap and Scour materials;
- NRC continuing daily oil recovery in the upland excavation and sheen management inside and outside of cofferdam as needed;
- Wilder backfilling the upland excavation area with structural fill material and compacting to design specifications;
- Wilder excavator loading the upland excavation spoils into side-dump trucks hauling to the RR-Yard stockpile area;
- Wilder Water Treatment Plant operating 24/7;
- WCC excavator CAT 350L long stick excavating in Upland Cell #2 Grid 17 E-H area;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 18 waste containers;
- RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today, and additional DS Water Quality sampling required in the Temporary Modification to the Water Quality Turbidity Standards.
1845- WCC opened a 1-bag wide hole in the west end of the Cofferdam to lower the inside water level.

Upcoming Work

- will continue excavation of Cell #2 Upland.
- WCC will continue operating the WTP.
- NRC continuing daily oil recovery and sheen management.
- WCC will continue backfilling the Cell #3 upland area with the structural material.

Personnel on Site

RETEC: Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz

Subcontractor(s): Richard L./Test America, Scott/Argus Environmental

Visitor(s): Susan Lee/Ecology

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: WCC Everett office – Near Fatality accident reported (not Skykomish).

DELIVERIES/SHIPMENTS

WCC receiving Scour Fill and Rip-Rap materials.

WCC loaded 18 waste containers (at ~60K lbs ea. ≈ 1,080,000 lbs).

MEETINGS HELD

BNSF and RETEC met to review the WCC Change Order.

BNSF, RETEC and WCC met to go over the WCC Change Order.

MONITORING PERFORMED

Argus technician performing the air monitoring and sampling and the noise monitoring at RR-crossing and at NE corner of col.
RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

WCC contractor performing the compaction testing on the Levee Fill material.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted to the onsite test America Mobile lab: SKY-SOIL-H16, SKY-SOIL-G16, SKY-SOIL-F16, and SKY-SOIL-E16.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted Pay Estimate #4 for Period August 15, 2006 to August 31, 2006.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Dat 9/07/06

Completed by: Dennis Metz

Daily Report

Date: 9/08/06 (Friday) Temp: L-40's to L-70's Weather: Clear and mild. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Summary of Field Activities	
0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam; 0650- Wilder H&S mtg. - RETEC personnel inspected and inventoried the RR-car waste containers; - Wilder crew removed both Aqua Barriers from the Cell #2+#3 areas; - NRC continuing oil recovery in the uplands excavation area and sheen management inside and outside of the cofferdam; - Wilder removed cofferdam bags in the Cell #2 area to open the upstream cell area to the river; - Wilder installed the 72-inch catch basin and poly discharge pipe along the levee; - Wilder excavator loading upland excavation spoils into side-dump trucks hauling to the RR-Yard stockpile area; - Wilder Water Treatment Plant operating 24/7, pumping water from the upland excavation trench; - WCC excavator CAT 350L long stick was excavating in Upland Cell #2 Grids E-15 to I-15 and H-14+I-14 areas; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers; - Wilder began digging out the turbidity control liner buried in the trenches along the north and west sides of Cell #3 – this activity caused very high turbidity readings (Compliance Point=728 NTU; Maloney Crk=236 NTU) on the final reading of the day; - RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today, additional DS turbidity testing was performed in accordance with the Temporary Modification to the Water Quality Turbidity Standards. Additional samples were collected at the 1st Boom Line location DS of the site three times today.	
Upcoming Work	
- WCC will continue excavation of Cell #2 Upland. - WCC will continue operating the WTP. - NRC continuing daily oil recovery and sheen management.	
Personnel on Site	
RETEC: Mike Byers, Sarah Albano, Aaron Huntington, Dennis Metz, Dan Berlin	
Subcontractor(s): Richard L./Test America	
Visitor(s): Ron Timms/Ecology, Tom Bean/King County, Bill Mavros/DFW	
Other Site Activity	
SAFETY/ISSUES MEETINGS	
Safety topic: Near Miss – walking behind a loader without getting the operators attention.	
DELIVERIES/SHIPMENTS	
WCC receiving Stabilization fill material and stockpiling at the RR-Wye.	
WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).	
MEETINGS HELD	
Dan Berlin and Mike Byers met with Bill Mavros/DFW regarding an extension to the HPA.	
MONITORING PERFORMED	
RETEC personnel performing the air monitoring and noise monitoring.	
RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.	

ST EHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following 7 confirmation soil samples were submitted to the mobile lab: SKY-SOIL-I15, SKY-SOIL-H15, SKY-SOIL-G15, SKY-SOIL-F15, SKY-SOIL-E15, SKY-SOIL-I14, and SKY-SOIL-H14

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

WCC was given permission to backfill the Upland excavation, along the school; even though a couple of the Grids (sample came up clean) have not been approved by DOE, since Louise Bardy of Ecology was not available this afternoon.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Upland excavation slope along the school is sloughing off and WCC was given permission to backfill the area with the crushed rock from the City Dump to stabilize this slope.

NRC was asked to work a little later this evening to remove as much of the oil in the upland excavation as possible.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 9/08/06

Completed by: Dennis Metz

Daily Report

Date: 9/09/06 (Saturday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp: M-50's to L-60's	
Weather: Overcast and mild, misty rain early.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall: 0.01 inches	
Summary of Field Activities	
0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam; 0650- Wilder H&S mtg. - No RR-car waste containers delivered last evening; - Wilder crew finished placing fill along the north side of the school and connected to the backfill coming east from the WTP to make a road for truck traffic; - Wilder has two crews removing the inside cofferdam bags and hauling to City Burn Dump to stockpile the material; - NRC continuing oil recovery in the upland excavation area and sheen management inside and outside of cofferdam; - Wilder crew with loader, excavator and mini-excavator at City Burn Dump emptying and pulling cofferdam bags and stockpiling; - Wilder excavator cutting down the bench along the road in Cell #1 and loading out the spoils from the uplands excavation and Cell #1 levee area; - Wilder Water Treatment Plant operating 24/7, drawing all water from the upland excavation; - WCC excavator CAT 350L excavating in Upland Cell #2 Grid 14 area, then opened up (widened) the channel along the south slope for the NRC oil recovery activities; - Wilder RR-Yard stockpile crew managing the incoming impacted materials from the uplands excavation; - RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today, and additional turbidity monitoring in accordance with the Temporary Modification to the Water Quality Turbidity Standards. Couple turbidity samples at the 1st Boomline location.	
Upcoming Work	
- WCC will continue excavation of Cell #2 Upland. - WCC will continue operating the WTP. - NRC continuing daily oil recovery and sheen management.	
Personnel on Site	
RETEC: Sue Walston and Dennis Metz	
Subcontractor(s): Richard L./Test America	
Visitor(s): None	
Other Site Activity	
SAFETY/ISSUES MEETINGS	
Safety topic: Slip/Trips/Falls, heavy equipment congestion on levee.	
DELIVERIES/SHIPMENTS	
WCC loaded 0 waste containers (at ~60K lbs ea. ≈ 0 lbs).	
MEETINGS HELD	
None.	
MONITORING PERFORMED	
RETEC personnel performing the air monitoring and noise monitoring. RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.	

ST EHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted: SKY-SOIL-G14, SKY-SOIL-F14, and SKY-SOIL-E14.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

WCC worked in the River area for 7 hours today, with 6 hours completed under the turbidity modification when >25 NTU at the downstream compliance point.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 9/09/06

Completed by: Dennis Metz

Daily Report

Date: 9/12/06 (Tuesday) Temp: L-50's to M-70's Weather: Clear and mild. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
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Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
 0650- Wilder H&S mtg.-
 - RETEC personnel inspected and inventoried the RR-car waste containers;
 - Wilder crew backfilling and compacting the upland Cell #3 area with Structural fill material;
 - NRC continuing daily oil recovery and sheen management;
 - Wilder removing FIBCs from north side of coffer dam
 - Wilder excavator loading the upland excavation spoils into side-dump trucks hauling to the RR-Yard stockpile area;
 - Surveyors on site to check the School Control Points;
 - Wilder Water Treatment Plant operating 24/7;
 - WCC excavator Hitachi excavating in Upland Cell #5 area, Grids E&F 9;
 - WCC Hitachi excavator creating bench along Grids E&F;
 - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers;
 - Wilder dug 5 test pits for above VDL pre-characterization;
 - RETEC performed the river water quality turbidity testing throughout the day.

Upcoming Work

- will continue excavation of Cell #5 Upland.
- WCC will continue operating the WTP.
- NRC continuing daily oil recovery and sheen management.
- WCC will continue backfilling the uplands excavation area and removing coffer dam.

Personnel on Site

RETEC: Sarah Albano, Aaron Huntington, Dennis Metz, Don Sherman, Dan Berlin

Subcontractor(s): Richard L./Test America

Visitor(s): Susan Lee and Ron Timm /Ecology, Pennie Mabie/Enviroissues, Josh Watrous/NWAA

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Wear personal flotation device when walking along deep water's edge.

DELIVERIES/SHIPMENTS

WCC receiving Scour Fill and Stabilization materials.
 WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).
 WCC loaded no truck mounted waste containers (at ~60K lbs ea. ≈ 0 lbs).

MEETINGS HELD

Weekly Construction meeting with RETEC, WCC, and NRC.
 Weekly Construction Update Meeting with RETEC, Ecology, and EnviroIssues.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring at railyard and school yard.
 RETEC Personnel performing the River Water Quality turbidity testing.
 Wilder subcontractor performed compaction testing
 NWAA personnel performing archeological monitoring of excavation.

ST...EHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted: SKY-SOIL-F13A, SKY-SOIL-E9, SKY-SOIL-F9, SKY-SOIL-E13A, SKY-VDL-U3, SKY-VDL-U4, SKY-VDL-U6, SKY-VDL-U7, SKY-VDL-U8.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

Instructed WCC to re-excavate cells E13 and F13 an additional foot.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Reported exceedance at water treatment plant. Natural Resources Damage Assessment Team on-site.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 9/13/06

Completed by: Sarah Albano

Daily Report

Date: 9/13/06 (Wednesday) Temp: U-40's to M-50's Weather: Overcast and cool. Rainfall: Trace	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
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Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
 0650- Wilder H&S mtg.-
 - RETEC personnel inspected and inventoried the RR-car waste containers;
 - RETEC personnel inspected in-water equipment;
 - Wilder crew backfilling and compacting the upland Cell #3 area with Structural fill material;
 - NRC continuing daily oil recovery and sheen management;
 - NRC moved equipment from along bridge to facilitate excavation;
 - Wilder removing FIBCs, Ecology blocks, and sand bags from east end of coffer dam;
 - Wilder placing FIBCs along levee area. 2 FIBCs tall.
 - Wilder excavator loading the upland excavation spoils into side-dump trucks hauling to the RR-Yard stockpile area;
 - Wilder Water Treatment Plant operating 24/7;
 - WCC excavator Hitachi excavating in Upland Cell #5 area, Grids E&F 6, 7, & 8;
 - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 24 waste containers;
 - RETEC performed the river water quality turbidity testing throughout the day.

Upcoming Work

- will continue excavation of Cell #5 Upland.
- WCC will continue operating the WTP.
- NRC continuing daily oil recovery and sheen management.
- WCC will continue backfilling the uplands excavation area and removing coffer dam.

Personnel on Site

RETEC: Sarah Albano, Aaron Huntington, Don Sherman

Subcontractor(s): Richard L./Test America

Visitor(s): Susan Lee and Louise Bardy /Ecology, Daryl Petrarca/LSI Adapt, Josh Watrous/NWAA

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Never climb over a truck's reach. Always make eye contact with operator/driver before approaching equipment.

DELIVERIES/SHIPMENTS

WCC receiving Scour Fill and Stabilization materials.
 WCC loaded 24 waste containers (at ~60K lbs ea. ≈ 1,440,000 lbs).
 WCC loaded no truck mounted waste containers (at ~60K lbs ea. ≈ 0 lbs).

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring at railyard and school yard.
 RETEC Personnel performing the River Water Quality turbidity testing.
 NWAA personnel performing archeological monitoring of excavation.

STAKEHOLDER/MEDIA ISSUES

Charity Edwards and her family are moving and needs the frac tank that is in front of their house to be relocated so that they can move.

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted: SKY-SOIL-F8, SKY-SOIL-E8, SKY-SOIL-F7, SKY-SOIL-E7, SKY-SOIL-E6, SKY-SOIL-F6

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

Verbal approval to switch stabilization fill supplier.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 9/13/06

Completed by: Sarah Albano

Daily Report

Date: 9/14/06 (Thursday) Temp: M-50's to L-60's Weather: Overcast and mildly cool. Rainfall: 0.26 inches	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Summary of Field Activities	
0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam; 0650- Wilder H&S mtg. - RETEC personnel inspected and inventoried the RR-car waste containers; - Wilder river crew finished removing all of the cofferdam liner, turbidity control measures, and diversion dam materials today; - NRC continuing daily oil recovery and sheen management. - Wilder continued backfilling the Levee area with stabilization and then structural material, which was compacted; - Wilder excavator CAT 350D loading trucks and excavating Upland Above-VDL material; - Wilder Water Treatment Plant operating 24/7; - WCC excavator Hitachi 450L excavating in Levee Upland in Cell #1, Grids E-4 and F1-4 areas; - WCC excavator began cutting the back slope, for the placement of the geo-textile and rip-rap, on the west end of the Levee; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 30 waste containers; - RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today; with additional DS turbidity testing performed in accordance with the Temporary Modification to the Water Quality Turbidity Standards and one sample collected at the 1st Boom Line located about 2500-ft DS of the site.	
Upcoming Work	
- Will continue excavation of Cell #1 Levee Upland area. - WCC will continue operating the WTP. - NRC continuing daily oil recovery and sheen management. - WCC will continue backfilling along the levee.	
Personnel on Site	
RETEC: Don Sherman, Aaron Huntington, Dennis Metz	
Subcontractor(s): Richard L./Test America, Josh Watrous/NWAA	
Visitor(s): Richard Thomas and Susan Lee/Ecology	
Other Site Activity	
SAFETY/ISSUES MEETINGS	
Safety topic: WCC Accident Alert for foot injury and finger lacerations; crew commended for their good communication yesterday with regards to coordination between the operators and ground personnel.	
DELIVERIES/SHIPMENTS	
WCC receiving structural and stabilization fill materials. WCC loaded 30 waste containers (at ~60K lbs ea. ≈ 1,800,000 lbs). WCC received the geo-textile fabric material for the rip-rap slope.	
MEETINGS HELD	
None.	
MONITORING PERFORMED	
Argus technician performing the air monitoring and sampling and the noise monitoring. RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.	

ST EHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted to the Mobile Lab: SKY-SOIL-E4, SKY-SOIL-F-1, SKY-SOIL-F3, SKY-SOIL-F4, SKY-SOIL-F2

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted the Daily Reports for the dates 9-1-06, 9-5-06, and 9-6-06.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

Richard Thomas/Ecology gave verbal permission to backfill Grids E +F, 5 to 8.

RETEC gave WCC the go ahead to backfill Grids E+ F, 5 to 8.

Richard Thomas instructed RETEC to leave the oil boom in the river for at least the next 4-5 days, or until they tell us to remove it.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Turbidity rose to over 200 NTU's at about 1530 Hours today at the DS Compliance Point. WCC was able to continue working in the river long enough to complete the cofferdam and appurtenances, removal.

WCC finished the river work at 1530 Hours, but the turbidity appeared to continue to flow from the levee area, beginning at 1st Street westward to about the WTP.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 9/14/06

Completed by: Dennis Metz

Daily Report

Date: 9/15/06 (Friday) Temp: M-40's to U-50's Weather: Overcast and rainy to mostly cloudy and cool. Rainfall: 0.07 inches	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
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Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam;
 0650- Wilder H&S mtg.
 - RETEC personnel inspected and inventoried the RR-car waste containers;
 - Wilder crew backfilling, grading and compacting the structural fill in the levee area;
 - NRC continuing daily oil recovery and sheen management in the upland and levee excavation area;
 - Wilder deconing the CAT 350 Long Stick excavator at the RR-Yard decon area;
 - Wilder excavator was directed to return to the river to bed to perform some rock placement near the bridge for DFW;
 - Wilder excavator loading out the spoils from the levee and uplands excavations;
 - Wilder Water Treatment Plant performing tank cleaning and change out of the carbon and sand filter units;
 - WCC excavator Hitachi 450L excavating in Upland Grid F2, G13, G12, and G11 areas;
 - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 6 waste containers;
 - RETEC performed the river water quality turbidity testing and cofferdam inspection 3X today, with additional DS turbidity testing performed in accordance with the Temporary Modification to the Water Quality Turbidity Standards and one sample collected at the 1st Boom Line located about 2500-ft DS of the site.

Upcoming Work

- will continue excavation of Cell #2 Upland area.
- WCC will continue operating the WTP.
- NRC continuing daily oil recovery and sheen management.

Personnel on Site

RETEC: Sarah Albano, Aaron Huntington, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): Ron Timm/Ecology, Bill Mavros/DFW, Tom Bean/King County

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Slip/trip/fall at the WTP.

DELIVERIES/SHIPMENTS

WCC receiving Stabilization fill material.

WCC loaded 6 waste containers (at ~60K lbs ea. ≈ 360,000 lbs).

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.

RETEC Personnel performing the River Water Quality turbidity testing and cofferdam oil sheen monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted to the onsite mobile lab: SKY-SOIL-F2A, SKY-SOIL-G13, SKY-SOIL-G12, and SKY-SOIL-G11.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 9/15/06

Completed by: Dennis Metz

Daily Report

Date: 9/16/06 (Saturday) Temp: M-40's to U-50's Weather: Mostly cloudy and cool. Rainfall: 0.08 inches (as of 1600 Hrs)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Summary of Field Activities	
0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam; 0650- Wilder H&S mtg. - RETEC personnel inspected and inventoried the RR-car waste containers; - Wilder crew backfilling, grading and compacting the levee area in Cells #1 and #2; - NRC continuing daily oil recovery and sheen management in the upland excavation area. - Wilder cutting the rip-rap back slope, placing geo-textile fabric liner and placing rip-rap material on the Levee; - WCC excavator at City Burn Dump to load the rip-rap into the haul trucks for the Levee; - WCC Loader at the RR-Wye to bump up the stockpiles as the import structural material is delivered and to load the solo trucks to haul to the Levee to backfill; - Wilder JD 350 excavator loaded the yesterday's excavation spoils draining on the upland bench this morning; - Wilder Water Treatment Plant continued the GAC change out today; - WCC fencing contractor installed the second fence along the inside of the school yard, erected the fencing and gates along 6 th Street, and installed the new permanent 20-foot gate on the south side of the school yard. - WCC excavator Hitachi 450L – No excavation today; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers; 1500 WCC crew shut down for the weekend and off site. - WCC performed the river water quality turbidity testing 3X today.	
Upcoming Work	
- WCC will continue excavation of Cells #1 and #2 Uplands. - WCC will continue operating the WTP. - NRC continuing daily oil recovery and sheen management.	
Personnel on Site	
RETEC: Aaron Huntington, Dennis Metz	
Subcontractor(s): None	
Visitor(s): None	
Other Site Activity	
SAFETY/ISSUES MEETINGS	
Safety topic: Thanked crew for safely completing the River Work portion of the project.	
DELIVERIES/SHIPMENTS	
WCC receiving Structural Fill material.	
WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).	
MEETINGS HELD	
None.	
MONITORING PERFORMED	
RETEC personnel performing the noise monitoring today; rain preempted the dust monitoring.	
RETEC Personnel performed the River Water Quality turbidity monitoring.	

ST EHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted: None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

WCC placed a PVC liner on the slope of Grids E and F, 1 and 2, prior to backfilling today.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 9/16/06

Completed by: Dennis Metz

Daily Report

Date: 9/18/06 (Monday) Temp: L-50's to L-60's Weather: Overcast with intermittent rain showers and mildly cool. Rainfall: 0.33 inches (as of 1930 Hrs)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618	
Summary of Field Activities	
0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of diversion dam; 0650- Wilder H&S mtg. - RETEC personnel inspected and inventoried the RR-car waste containers; - Wilder crew re-located the water line for the Wheatley and BN house; - NRC continuing daily oil recovery and sheen management in the upland excavations; - Wilder excavator cutting the backslope for the Levee rip-rap, placing geofabric and placing rip-rap material; - Wilder backfilling and compacting along the school yard (Cell #3 Upland) area to minimize the open trench area; - Wilder continues to decon the CAT 350 Long Stick excavator in the RR-Yard decon area; - Wilder Water Treatment Plant is not operating today due to "rock fines" and are performing general maintenance work; - WCC excavator Hitachi 450L excavating in Upland Cell #1 area, with 2 nd excavator bailing material back but not loading out; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers; - RETEC performed the river water quality turbidity testing 3X today, and two additional turbidity tests at the 1 st Boom line area.	
Upcoming Work	
- WCC will continue excavation of Cell #1 Upland grids. - WTP will continue operating the WTP. - NRC continuing daily oil recovery and sheen management.	
Personnel on Site	
RETEC: Mike Byers, Sarah Albano, Dennis Metz	
Subcontractor(s): Richard L./Test America, Josh /NWAA	
Visitor(s): None	
Other Site Activity	
SAFETY/ISSUES MEETINGS	
Safety topic: Equipment inspection, School starts – watch out for the kids.	
DELIVERIES/SHIPMENTS	
WCC receiving Structural, Stabilization, and Rip-Rap fill materials. WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).	
MEETINGS HELD	
None.	
MONITORING PERFORMED	
Argus technician performing the air monitoring and sampling and the noise monitoring. RETEC Personnel performing the River Water Quality turbidity monitoring.	
STAKEHOLDER/MEDIA ISSUES	
None	
ANALYSIS SUBMITTED	
The following confirmation soil samples were submitted to the mobile lab: SKY-SOIL-G10, SKY-SOIL-G9, and SKY-SOIL-	

G8.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted the Daily Reports for 9/13/06 to 9/15/06.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

River turbidity at the Compliance Point (300-ft DS) increased today during work activities at the Levee, although no work was being conducted in the river itself.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 9/18/06

Completed by: Dennis Metz

Daily Report

Date:	9/19/06 (Tuesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Temp:	L-50's to U-50's	
Weather:	Overcast and rainy to mostly cloudy and mildly cool.	
Rainfall:	0.17 Inches (as of 1900 hrs)	

Summary of Field Activities

0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of the project site;
0650- Wilder H&S mtg.
- RETEC personnel inspected and inventoried the RR-car waste containers;
- Wilder excavator cut the back slope for the rip-rap, laid the geofabric in place and placed the rip-rap material, near 6th Street;
- NRC continuing daily oil recovery and sheen management in the upland excavation areas;
- Wilder subcontractor Mayes Testing Eng. Performed compaction testing on the backfill materials;
- Wilder excavator mixing dry and wet soil at the levee and loading into side dumps hauling to the RR-Yard stockpile area;
- Wilder Water Treatment Plant not operating today, additional equipment (bag filters) arrived on site and is being plumbed into the system;
- WCC excavator Hitachi 450L excavating in Upland Cell #1 area, Grids G2+3, H2+3, and I3;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 24 waste containers, and the containers were lined prior to loading the impacted materials;
- WCC completed the 2nd decon of the CAT 350 long Stick excavator, and began decon of the Loader;
- RETEC subcontractor NWAA on site to conduct the archeological oversight during the Upland Above VDL excavation;
- RETEC performed the river water quality turbidity testing 3X today, and two turbidity tests at the 2500-Ft DS Pool location.

Planning Work

- WCC will continue excavation of Cell #1 Upland.
- WCC will continue operating the WTP after retrofitting bag filter system.
- NRC continuing daily oil recovery and sheen management.

Personnel on Site

RETEC: Mike Byers, Sarah Albano, Dennis Metz

Subcontractor(s): Richard L./Test America, Josh /NWAA

Visitor(s): Susan Lee/Ecology, Clint S/City of Skykomish, EnviroIssues

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Slip-Trip-Falls, especially with the wet weather.

DELIVERIES/SHIPMENTS

WCC receiving Structural, Stabilization and Rip-Rap fill materials.
WCC loaded 24 waste containers (at ~60K lbs ea. ≈ 1,440,000 lbs).
WCC received delivery of a man-lift to be used for installing the RR-Yard stockpile cover tarps.
WCC received delivery of a set of bag filters for the WTP.
Wave Trek delivered to the site the consumable materials remaining from the ER response preparedness contract, set up for the river construction work.

MEETINGS HELD

Weekly Construction Meeting with RETEC, WCC, and NRC.
Weekly Construction Update meeting with RETEC, Dept. of Ecology (Louise B. call in), City of Skykomish, and EnviroIssues.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.
RETEC Personnel performing the River Water Quality turbidity monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted to the Mobile Lab: SKY-SOIL-G2, SKY-SOIL-G2A, SKY-SOIL-G3, SKY-SOIL-G3A, SKY-SOIL-H3, SKY-SOIL-H3A, SKY-SOIL-H2, SKY-SOIL-I3, and SKY-SOIL-I3A.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

WCC informed RETEC that the Site H&S Officer (SHSO) has been removed from the site and Steve Chambers and/or Heather Crockford will act as the Interim SHSO.

Department of Ecology informed RETEC that henceforth, two samples will be taken from each grid location; one at the normal location and a second sample dug from directly beneath the first sample location.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

T&M work including transloading materials at the RR-Wye, and transloading rip-rap from the City Burn Dump.

GENERAL REMARKS

WTP shut down since Monday at Noon, due to "rock flour" fines causing turbidity, which doesn't react with the Chitosan.

Clint S/City of Skykomish- following an inspection drive west along the Old Cascade Hwy., would like WCC to reduce the volume of water dispensed on the road, due to the splashing of the Johnson House (located ~6-8 ft off of the roadway); and to have WCC suggest a way to fix the mud being tracked onto the Hwy. coming out of the City Burn Dump, which WCC is using to transload construction materials.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 9/19/06

Completed by: Dennis Metz



Daily Report

Date: 9/20/06 (Wednesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp: U-40's to L-50's	
Weather: Mostly cloudy and mildly to overcast and rainy.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall: 0.47 inches (as of 1900 Hours)	
Summary of Field Activities	
0630- RETEC performed the river water quality – background turbidity testing – upstream and downstream of the project site; 0650- Wilder H&S mtg. - RETEC personnel inspected and inventoried the RR-car waste containers; - Wilder crew put liners into the RR-Car Containers; - NRC continuing daily oil recovery and sheen management in the upland excavation areas; - Wilder backfilling Levee with Structural fill, grading and compacting - Mayes Testing Engineers on site to perform the Levee compaction testing; - Wilder JD240 excavator continued cutting rip-rap back slope, installing geofabric, and placing rip-rap up to ~Grid 7; - Wilder Water Treatment Plant operated intermittently today, until the 'larger micron' filter bags arrived on site this afternoon; - WCC excavator Hitachi 450L excavating in Upland Cell #1 Grids J3, G4, H4, I4, and J4; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 30 waste containers; - RETEC contractor NWAA archeologist on site to oversee the upland Above VDL excavation work; - RETEC performed the river water quality turbidity testing 2X today, and one additional turbidity test at 2500-Ft DS.	
Upcoming Work	
- will continue excavation of Cell #1 Upland on Friday – no excavation on Thursday. - will continue operating the WTP 24/7. - NRC continuing daily oil recovery and sheen management. - WCC plans on setting two storm water catch basins on Thursday.	
Personnel on Site	
RETEC: Mike Byers, Sarah Albano, Dennis Metz	
Subcontractor(s): Richard L./Test America, Josh NWAA, Scott/Argus	
Visitor(s): Susan Lee and Richard Thomas/Ecology, 1 State Representative	
Other Site Activity	
SAFETY/ISSUES MEETINGS Safety topic: Slip-Trip-Fall hazard for the container lining crew. New, contracted, Site Health & Safety Officer arrived on site this afternoon.	
DELIVERIES/SHIPMENTS WCC receiving Structural, Stabilization, and Rip-Rap materials. WCC loaded 30 waste containers (at ~60K lbs ea. ≈ 1,800,000 lbs). WCC received two sets of scaffolding to be used to install the liners into the truck mounted containers, when they come or site for loading. WCC received 'larger Micron' filter bags for the WTP bag filter.	
MEETINGS HELD None.	
MONITORING PERFORMED Argus technician performing the air monitoring and sampling and the noise monitoring. RETEC Personnel performing the River Water Quality turbidity monitoring.	

ST .EHOLDER/MEDIA ISSUES

Informational meeting at the City Community Center this evening.

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted to the onsite Mobile Lab: SKY-SOIL-J3, SKY-SOIL-J3A, SKY-SOIL-I2, SKY-SOIL-G4, SKY-SOIL-G4A, SKY-SOIL-H4, SKY-SOIL-H4A, SKY-SOIL-I4, SKY-SOIL-I4A, SKY-SOIL-J4, and SKY-SOIL- J4A.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

Transmitted the verbal results, COC, and Field Notes for Tuesday's soil samples to Dept. of Ecology for review.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

Richard Thomas/Ecology gave RETEC verbal approval to backfill the grids excavated and sampled on Tuesday. RETEC informed WCC of Ecology's approval to backfill the grids excavated yesterday. RETEC told WCC to continue lining the East slope along the bridge prior to backfilling.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

Stockpiling the Structural fill and Stabilization materials at the RR-Wye, and transloading the structural fill and hauling to backfill the Levee.

Stockpiling the rip-rap Material at the City Burn Dump, then transloading the material to the Levee for placement.

GENERAL REMARKS

Notified Mr. Marvin Spain/City of Skykomish Inspector that WCC would be installing a couple of storm water Catch Basins tomorrow. He said the only thing he needed to see was the finished product.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 9/20/06

Completed by: Dennis Metz

Daily Report

Date:	9/21/06 (Thursday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	U-40's to M-50's	
Weather:	Cloudy to mostly cloudy and mildly cool and rainy off and on all day.	
Rainfall:	0.42 inches (as of 2130 Hrs)	
		RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618

Summary of Field Activities

- 0650- Wilder H&S mtg.
- Wilder crew placed a cover on the East end of the RR-Yard soil stockpile and sandbagged it this morning;
 - NRC continuing daily oil recovery and sheen management in the Upland excavations.
 - Wilder crew lined the 6 waste containers;
 - Wilder demobilized the CAT 350 (Long Stick) and John Deere 225 Excavators, and the JD 644J Loader;
 - Wilder excavator cutting slope, placing geofabric, and installing rip-rap along the eastern portion of the Levee, from ~ Grid 7 to the 5th Street Bridge
 - Wilder Water Treatment Plant, operating one-half of the plant, 24/7, pumping out of the open excavation next to the school yard;
 - WCC excavator Hitachi 450L performed No excavation today, due to lack of space in the RR-Yard SP area;
 - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 6 waste containers;
 - RETEC performed the river water quality turbidity testing 3X today.

Upcoming Work

- WCC will continue excavation of Cell #1 Upland on Saturday.
- WCC will continue operating the WTP.
- NRC continuing daily oil recovery and sheen management.

Personnel on Site

RETEC: Dennis Metz, Rich Truax

Subcontractor(s): Richard L./Test America

Visitor(s): None

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Tarping crew and lime mixing crews safety; remember the school kids.
Eric Hartman of Prezant is the new SHSO.

DELIVERIES/SHIPMENTS

WCC receiving Structural, Stabilization, and Rip-Rap materials.
WCC loaded 6 waste containers (at ~60K lbs ea. ≈ 360,000 lbs).

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performed the noise monitoring.
RETEC Personnel performing the River Water Quality turbidity monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The WTP NPDES water samples were submitted to the Test America Lab in Bothel, WA for analysis.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted the Daily Report for 9-16-06. (This report is late).

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

The GC instrument was down in the TA mobile lab last night and no sample results were available this morning. The technician got the instrument running and was able to get the results for all of yesterday's soil samples. There was no excavation on the site today, so no new soil samples were submitted to the lab.

WCC said there will be no excavation on the site tomorrow, due to the lack of space at the RR-Yard SP area.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 9/21/06

Completed by: Dennis Metz

Daily Report

Date: 9/22/06 (Friday) Temp: M-40's to M-60's Weather: Mostly cloudy and mildly cool. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
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Summary of Field Activities

0650- Wilder H&S mtg.

- RETEC personnel inventoried the RR-car waste containers and reported inventory to Rabanco;
- Wilder crew lined the 36 rr-car containers;
- NRC continuing daily oil recovery and sheen management in the Upland excavation areas.
- Wilder backfilled, graded, and compacted along the eastern end of the levee, built road coming in from 5th Street;
- Wilder installed catch basin-3 and baffle wall inside it;
- Wilder excavator installing rip-rap along the west end and top 4-5 feet of the Levee;
- Wilder Water Treatment Plant operating 24/7, pumping water from the upland excavation nearest the school yard;
- WCC excavator Hitachi 450L performed no excavating today, the JD350 excavator also stood idle;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers;
- Wilder subcontractors watered and swept roads;
- RETEC performed the river water quality turbidity testing 4X today.

Upcoming Work

- WCC will continue excavation of Cell #1 Upland on Saturday.
- WCC will continue operating the WTP.
- continuing daily oil recovery and sheen management.

Personnel on Site

RETEC: Sarah Albano, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): Ron Timm/Ecology

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Slip-Trip-Fall hazard on the RR-cars due to the wet/dew conditions.

DELIVERIES/SHIPMENTS

WCC receiving Structural, Stabilization, and Rip-Rap materials.

WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.

RETEC Personnel performing the River Water Quality turbidity monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted to the onsite Mobile Lab: SKY-SOIL-SHAW1 (hold for analysis)

until Saturday).

Wilder's subcontractor, Mayes Testing, performed compaction testing.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted the Daily Report for 9-18-06 (this report is late).

VERBAL INSTRUCTIONS GIVEN/RECEIVED

RETEC has instructed NRC to go out into the river to perform some management on the boom. They are to remove the dirtier sections of boom and re-align the boom closer to the shoreline.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 9/23/06

Completed by: Dennis Metz and Sarah Albano

Daily Report

Date: 9/23/06 (Saturday) Temp: M-40's to U-60's Weather: Mostly clear and mildly cool. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Summary of Field Activities	
0650- Wilder H&S mtg. - RETEC personnel inventoried the RR-car waste containers and reported inventory to Rabanco; - Wilder crew lined the 30 rr-car containers; - NRC continuing daily oil recovery and sheen management in the Upland excavation areas. - Wilder excavator installing rip-rap along the west end and top 4-5 feet of the Levee; - Wilder Water Treatment Plant operating 24/7, pumping water from the upland excavation nearest the school yard; - WCC excavator Hitachi 450LC excavated cells G5-G8 and H5-I5 today, Deere 350D was used for sampling, the JD350 and Deer 240D excavator bailed material and loaded side dump trucks for transfer to the railyard; - Backfill and compaction of area F and G 13-11 - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 30 waste containers; - Wilder subcontractors watered and swept roads; - RETEC performed the river water quality turbidity testing 4X today.	
Upcoming Work	
- WCC will continue excavation of Cell #1 Upland. - WCC will continue operating the WTP. - NRC continuing daily oil recovery and sheen management.	
Personnel on Site	
RETEC: Sarah Albano	
Subcontractor(s): Richard L./Test America, Josh W./NWAA	
Visitor(s): None	
Other Site Activity	
SAFETY/ISSUES MEETINGS	
Safety topic: If the lime catches on fire, smother it, don't use water.	
DELIVERIES/SHIPMENTS	
WCC loaded 30 waste containers (at ~60K lbs ea. ≈ 1,800,000 lbs). WCC received lime last night and will receive lime on Sunday 9/25/06. No import today.	
MEETINGS HELD	
None.	
MONITORING PERFORMED	
RETEC personnel performing the air monitoring and noise monitoring. RETEC Personnel performing the River Water Quality turbidity monitoring. NWAA personnel performing archeological monitoring.	
STAKEHOLDER/MEDIA ISSUES	
None	

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted to the onsite Mobile Lab: SKY-SOIL-G05, SKY-SOIL-G05A, SKY-SOIL-H05, SKY-SOIL-H05A, SKY-SOIL-I5, SKY-SOIL-I5A, and SKY-SOIL-Z10 (a duplicate of SKY-SOIL-G05). SKY-SOIL-SHAW1 was also analyzed.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

Riprap loaded from City Burn Site and stabilization and structural materials loaded from the railroad wye.

GENERAL REMARKS

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 9/25/06

Completed by: Sarah Albano

Daily Report

Date: 9/25/06 (Monday) Temp: M-40's to M-70's Weather: Mostly clear and warm. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
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Summary of Field Activities

0650- Wilder H&S mtg.

- RETEC personnel inventoried the RR-car waste containers and reported inventory to Rabanco;
- Wilder crew lined the 24 rr-car containers;
- NRC continuing daily oil recovery and sheen management in the Upland excavation areas.
- Wilder excavator installing rip-rap along the west end and top 4-5 feet of the Levee;
- Wilder Water Treatment Plant operating 24/7, pumping water from the upland excavation nearest the school yard;
- WCC excavator Hitachi 450LC excavated cells G6-I6 today, Deere 350D was used for sampling, the JD350 excavator bailed material and loaded side dump trucks for transfer to the railyard;
- Backfill and compaction of grids G, H, and I 3-5;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 24 waste containers;
- Wilder subcontractor watered roads;
- Wilder sweeper swept roads;
- Wilder personnel and equipment loading trucks with backfill materials and riprap at wye and City burn site.
- RETEC performed the river water quality turbidity testing 4X today.

Upcoming Work

- will continue excavation of Cell #1 Upland.
- WCC will continue operating the WTP.
- NRC continuing daily oil recovery and sheen management.

Personnel on Site

RETEC: Sarah Albano

Subcontractor(s): Richard L./Test America, Josh W./NWAA, Scott R./Argus Pacific

Visitor(s): Dylan Galloway/Environmental Partners, Inc.

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Stay hydrated

DELIVERIES/SHIPMENTS

WCC loaded 24 waste containers (at ~60K lbs ea. ≈ 1,440,000 lbs).
 WCC received lime last night and will receive lime on Sunday 9/25/06.
 No import today.

MEETINGS HELD

None.

MONITORING PERFORMED

Argus Pacific personnel performing the air monitoring and noise monitoring.
 RETEC Personnel performing the River Water Quality turbidity monitoring.
 NWAA personnel performing archeological monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted to the onsite Mobile Lab: SKY-SOIL-G6, SKY-SOIL-G6A, SKY-SOIL-H6, SKY-SOIL-H6A, SKY-SOIL-I6, and SKY-SOIL-I6A. SKY-SOIL-Z09 was collected as a blind field duplicate of SKY-SOIL-G6.

Mayes testing on-site conducting compaction testing.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

Daily for Tuesday 9/19/06 received.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

Riprap loaded from City Burn Site and stabilization and structural materials loaded from the railroad wye.

GENERAL REMARKS

EPI, the consultant for the Mitchells, was on-site today. EPI and Ecology 40 hour and 8 hour certifications have been received.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 9/25/06

Completed by: Sarah Albano

Daily Report

Date:	9/26/06 (Tuesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	M-40's to U-70's	
Weather:	Mostly clear and mildly cool to warm.	
Rainfall:	None	
		RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618

Summary of Field Activities

0650- Wilder H&S mtg.

- RETEC performed the river water quality – background turbidity testing – upstream and downstream of the project site;
- RETEC personnel inventoried the RR-car waste containers;
- Wilder crew mixed lime at the RR-Yard Stockpile area with the wet stockpiled materials, for drying purposes;
- NRC continuing daily oil recovery and sheen management in the upland excavations;
- Wilder crew lined the RR-Car and Truck mounted waste containers(except the final truck mounted container);
- Wilder excavator loaded the upland excavation spoils into side-dump trucks hauling to the RR-Yard Stockpile area;
- Wilder Water Treatment Plant operating, one side of the plant with bag filters, 24/7;
- WCC excavator Hitachi 450L excavating in Upland Cell #1 area;
- WCC backfilled, graded and compacted the Cell #1 upland excavation area;
- Wilder RR-Yard stockpile crew loaded impacted material into 30 RR-cars waste containers and 8 truck waste containers;
- RETEC performed the river water quality turbidity testing 3X today.

Upcoming Work

- WCC will continue excavation of Cell #1 Upland.
- WCC will continue operating the WTP.
- Continuing daily oil recovery and sheen management.

Personnel on Site

RETEC: Mike Byers, Sarah Albano, Dennis Metz

Subcontractor(s): Richard L./Test America, Josh/NWAA

Visitor(s): Louise Bardy/Ecology, Mitchell Property consultant

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Reviewed the JHA for Lime Treatment activity.

DELIVERIES/SHIPMENTS

- WCC receiving Structural, Stabilization, and Rip-Rap fill materials.
- WCC loaded 30 waste containers (at ~60K lbs ea. ≈ 1,800,000 lbs).
- WCC loaded 8 truck mounted waste containers (at ~60K lbs ea. ≈ 480,000 lbs).
- WCC received delivery of pelletized lime.

MEETINGS HELD

- Weekly Construction Meeting with WCC, NRC and RETEC.
- Weekly Construction Update Meeting with Department of Ecology, City of Skykomish, EnviroIssues, and RETEC.

MONITORING PERFORMED

- RETEC personnel performing the air monitoring and noise monitoring.
- RETEC Personnel performing the River Water Quality turbidity monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted to the onsite Mobile Lab: SKY-SOIL-G7, SKY-SOIL-G7A, SKY-SOIL-I7, SKY-SOIL-I7A (on hold), SKY-SOIL-H7, SKY-SOIL-H7A (on hold), SKY-SOIL-H8, SKY-SOIL-H8A, SKY-SOIL-I8, SKY-SOIL-I8A (on hold), SKY-SOIL-H9, SKY-SOIL-H9A, SKY-SOIL-I9, and the QC Samples SKY-SOIL-Z11 and SKY-SOIL-Z12.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted Daily Reports for 9-19-06 and 9-20-06 (both reports are late).

WCC submitted the Weekly Summary WTF Reports for the weeks beginning 8-27-06, 9-3-06, and 9-10-06.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

Louise B./Ecology gave RETEC the verbal approval for backfilling the Grids G6, H6, and I6.

Louise B./Ecology gave RETEC the verbal instruction to only take one grid double-sample per numbered grid column (ie Grids in Column 9).

RETEC gave WCC the verbal instruction to discontinue installing liners in the waste containers for the present time.

OUT OF SCOPE WORK - SCHEDULE IMPACTS

WCC in lime treating the RR-Yard wet stockpiled material (using about ½ % lime).

WCC is placing liners into the over-the road Truck waste containers.

WCC in transloading the stockpiled Structural and Stabilization materials from the RR-Wye to the Uplands backfill area.

WCC is transloading the stockpiled Rip-Rap material from the City Burn Dump area to the Levee.

WCC re-located the fencing on the SE corner of Mr. Moore's property in order to expand the upland excavation area.

GENERAL REMARKS

The WCC Weekly WTF Summary Report for the week beginning 9-3-06 reported a NPDES Discharge Exceedance for several of the PAH compounds for the sample on Tuesday 9-5-06. S. Albano /RETEC reported the WTF Discharge Exceedance to H. Voges /RETEC for reporting to the Department of Ecology.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 9/26/06

Completed by: Dennis Metz

Daily Report

Date:	9/27/06 (Wednesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	U-40's to M-70's	
Weather:	Mostly clear and cool turning warm.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	None	

Summary of Field Activities

0650- Wilder H&S mtg.

- RETEC performed the river water quality – background turbidity testing – upstream and downstream of the project site;
- RETEC personnel inspected and inventoried the RR-car waste containers;
- NWAA archeologist completed the oversight of the Above VDL excavation activity today;
- Wilder crew backfilling, grading and compacting the Cell #1 upland area;
- NRC continuing daily oil recovery and sheen management in the upland excavations;
- City Inspector checked the Stormwater Catch Basins # 3 and #4 and had no issues;
- Wilder JD 350 excavator loaded upland excavation spoils into side-dump trucks hauling to the RR-yard Stockpile area;
- Wilder excavator installed rip-rap along the upper portion of the Levee;
- Wilder Water Treatment Plant is operating on ½ the system plumbed through the bag filters, 24/7;
- WCC excavator Hitachi 450L excavating in Upland Cell #1 Grids J8,K9,J9, H10 and I10 area;
- Wilder RR-Yard stockpile crew loaded impacted material into RR-cars and truck mounted waste containers;
- RETEC performed the river water quality turbidity testing 3X today.

Upcoming Work

- RETEC will continue excavation of Cell #1 Upland.
- WCC will continue operating the WTP.
- NRC continuing daily oil recovery and sheen management.

Personnel on Site

RETEC: Mike Byers, Sarah Albano, Dennis Metz, Merv Coover

Subcontractor(s): Richard L./Test America, Josh/NWAA

Visitor(s): Richard Thomas/Ecology

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Slip-Trip-Falls; reviewed MSDS for window Cleaner.

DELIVERIES/SHIPMENTS

WCC receiving Structural and Stabilization materials.

WCC loaded 6 RR-Car mounted waste containers (at ~60K lbs ea. ≈ 360,000 lbs).

WCC loaded 8 truck mounted waste containers (at ~60K lbs ea. ≈ 480,000 lbs).

MEETINGS HELD

Dell Davis and Dan, both from DB Davis met with RETEC regarding the status of issues dealing with resetting the houses.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.

RETEC Personnel performing the River Water Quality turbidity monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted to the onsite Mobile Lab: SKY-SOIL-J8, SKY-SOIL-K9, SKY-SOIL-J9, SKY-SOIL-H10, SKY-SOIL-I10 and a QC Duplicate SKY-SOIL-Z13 (for SKY-SOIL-J8).

The WTP NPDES Discharge water samples were submitted to the Test America laboratory in Bothel, WA, via courier.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

WCC in lime treating the RR-Yard wet stockpiled material (using about ½ % lime).

WCC in transloading the stockpiled Structural and Stabilization materials from the RR-Wye to the Uplands backfill area.

WCC is transloading the stockpiled Rip-Rap material from the City Burn Dump area to the Levee.

GENERAL REMARKS

Department of Ecology required WCC to remove some of the new Stabilization backfill, when they received a report that the material was placed through oily water. This came to about 6-8 excavator bucket loads of material to about 1-foot below water surface, somewhere in the vicinity of Grid G7. The backfilling operation shut down for about ½ hour and didn't re-start again due to no material available to fill with.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 9/27/06

Completed by: Dennis Metz

Daily Report

Date: 9/28/06 (Thursday) Temp: U-40's to M-70's Weather: Clear and mildly cool turning warm. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
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Summary of Field Activities

0650- Wilder H&S mtg.

- RETEC performed the river water quality – background turbidity testing – upstream and downstream of the project site;
- RETEC personnel inspected and inventoried the RR-car waste containers;
- Wilder crew installing stormwater piping at Catch Basin (CB) #4 and grouting work at CB's #3 and #4;
- NRC continuing daily oil recovery and sheen management, and was prepared to perform oil and sheen management for the backfilling operation in the upland excavation area;
- Wilder dumped some Stabilization material along the edge of the backfill area late this afternoon, otherwise no backfilling today;
- Wilder excavator cut back the excess Levee fill on the western half of the levee today and graded the road to subgrade elevation;
- Wilder Water Treatment Plant operating on ½ the system plumbed through the bag filters, 24/7;
- WCC excavator Hitachi 450L excavating in Upland Cell #1 Grids J10, J11, H11, H12 and I11 areas;
- WCC JD350 excavator loaded the upland excavation spoils into side dump trucks hauling to the RR-Yard Stockpile area;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers;
- WCC RR-Yard Stockpile crew performed lime treatment on the wet spoils material coming in from the upland excavation today;
- RETEC performed the river water quality turbidity testing 3X today.

1730- Wilder shut down for the day.

Planning Work

- WCC will continue excavation of Cell #1 Upland and possibly complete the excavation uplands excavation work on Friday.
- WCC will continue operating the WTP.
- NRC continuing daily oil recovery and sheen management.

Personnel on Site

RETEC: Sarah Albano, Dennis Metz

Subcontractor(s): Richard L./Test America, Scott/ Agrus

Visitor(s): Jeanne Tran/Ecology

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Construction industry (non-WCC) equipment backing fatality.

DELIVERIES/SHIPMENTS

WCC receiving Stabilization and Structural fill materials.

WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).

MEETINGS HELD

None.

MONITORING PERFORMED

Argus technician performing the air monitoring and sampling and the noise monitoring.

RETEC Personnel performing the River Water Quality turbidity monitoring.

LEADHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted to the onsite Mobile Lab: SKY-SOIL-J10, SKY-SOIL-J10A, SKY-SOIL-H11, SKY-SOIL-H12, SKY-SOIL-I11, SKY-SOIL-J11, SKY-SOIL-J11A, and the QC Duplicate sample for the Grid H11 sample SKY-SOIL-Z14.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted three Daily Reports for 9/21/06, 9/22/06, and 9/23/06 (all reports are late).

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

WCC lime treating wet stockpiled material (using about ½ % lime) in the RR-Yard stockpile area.

WCC stockpiled Structural and Stabilization materials at the RR-Wye area today.

GENERAL REMARKS

Wednesday (9/27/06) was the completion of the Levee Rip-Rap installation, except for some Levee restoration behind the WTP when it is decommissioned.

Jeanne Tran/Department of Ecology on site today and mentioned that they would like RETEC to take turbidity samples at the point of the 'source', near the new stormwater outfall pipe., and to remind us that since we are not working in the river we no longer have a "mixing zone" and the DS sampling point is not truly representative of the river turbidity.

Mr. Bob Mackner stopped by the RETEC Trailer to inform us that they had decided to leave the septic tank in the back yard location.

Mr. Bob Mackner Stopped by the trailer a second time, on the Mayor's behalf, to request that the fencing at the former Caboose location be removed so that the City can clean the area up for Iron Goat Trail dedication weekend parking. This information was forwarded to Steve Howard / RETEC to contact the fencing company again to remind them that the fencing had not been picked up yet.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 9/28/06

Completed by: Dennis Metz

Daily Report

Date:	9/29/06 (Friday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L-50's to M-70's	
Weather:	Clear and mildly cool.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	None	

Summary of Field Activities

0650- Wilder H&S mtg.

- RETEC personnel inspected and inventoried the RR-car waste containers;
- Wilder crew grout the storm sewer pipe exiting from Catch Basin #5 (installed yesterday);
- NRC continuing daily oil recovery and sheen management in the Upland excavations;
- Wilder Water Treatment Plant operating on ½ the system plumbed through the bag filters, 24/7;
- WCC excavator Hitachi 450L started excavating in Upland Cell #1 area, but was demobilized to the RR-Yard for decontamination
- WCC JD 350 excavator took over the duty of excavating the Cell #1 Upland grids I12, J12, and H13, and direct loading of the excavation spoils into the side dump truck to haul to the RR-Yard;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers;
- WCC RR-Yard crew lime treated incoming wet spoils materials from the Upland excavation activity;
- Wilder excavator began excavating the Shoring Wall trench in the eastern Cell #1 Upland area, placed a trench box in the open excavation and began pumping the groundwater to the western Cell #1 Upland excavation;
- RETEC performed the river water quality turbidity testing 4X today., and switched the DS sample point to the shoreline 'source' area near the new Storm Sewer Outfall pipe.

Upcoming Work

- WCC will finish the excavation of Cell #1 Upland grid I13 on Monday.
- WCC will continue operating the WTP.
- NRC continuing daily oil recovery and sheen management.

Personnel on Site

RETEC: Sarah Albano, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): Ron Timm/Ecology

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Reviewed JSA's for the railcar container and truck container liner installation.

DELIVERIES/SHIPMENTS

WCC receiving Structural and Stabilization fill materials and stockpiled at the RR-Wye.
WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.
RETEC Personnel performing the River Water Quality turbidity monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil samples were submitted to the onsite Mobile Lab: SKY-SOIL-I12, SKY-SOIL-I12A, SKY-SOIL-J12, SKY-SOIL-H13, SKY-SOIL-H13A, and QC Duplicate sample of Grid H13, SKY-SOIL-Z15.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted the Daily Reports for 9-25-06 and 9-26-06.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

WCC lime treating wet stockpiled material (using about ½ % lime) in the RR-Yard stockpile area.

WCC stockpiled Structural and Stabilization materials at the RR-Wye area today.

GENERAL REMARKS

Ron Timm /Ecology asked about the "Shawver" soil sampling location; and wanted to know if we had done a 'test pit' for the sample. I pointed out on the aerial photo where the sample was taken and he was surprised, since he thought Shawver's owned the property to the West side of the Access Road (7th Street). He then commented that there would probably be some soil borings done around the Shawver's area sometime in the future.

Sarah A. demobilized from the Skykomish Site. She will return next Tuesday to cover the site activities during the morning meetings.

WCC crew will not work tomorrow, except the RR-Yard crew to load any incoming RR-Car containers.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 9/29/06

Completed by: Dennis Metz

Daily Report

Date: 9/30/06 (Saturday) Temp: M-40's to M-60's Weather: Mostly cloudy and cool to p-clear and mild, and breezy. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618	
Summary of Field Activities	
0700- RETEC personnel inspected and inventoried the RR-car waste containers; - Wilder Water Treatment Plant operating on 1/2 the system plumbed through the bag filters, 24/7; - WCC pumping water from the Shoring Wall excavation near 5 th St. Bridge to the Cell#1 Uplands excavation area for oil recovery; - Wilder RR-Yard stockpile two loaders loaded impacted material into RR-cars 30 waste containers, in about 3 hours; - No other WCC crews worked today.	
Upcoming Work	
- WCC will continue backfilling of Cell #1 Upland. - WCC will continue operating the WTP. - NRC continuing daily oil recovery and sheen management.	
Personnel on Site	
RETEC: Dennis Metz	
Subcontractor(s): None	
Visitor(s): None	
Other Site Activity	
SAFETY/ISSUES MEETINGS Safety topic: None	
DELIVERIES/SHIPMENTS WCC loaded 30 waste containers (at ~60K lbs ea. ≈ 1,800,000 lbs).	
MEETINGS HELD None.	
MONITORING PERFORMED None	
STAKEHOLDER/MEDIA ISSUES None	
ANALYSIS SUBMITTED None	
SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT None.	
VERBAL INSTRUCTIONS GIVEN/RECEIVED None	

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Scanned Friday's soil sample analytical verbal results. E-mailed scanned results to Sarah A./RETEC Seattle to post for Ecology review.

RETEC reviewing WCC Inv #4 for approval.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 9/30/06

Completed by: Dennis Metz

Daily Report

Date: 10/02/06 (Monday) Temp: M-40's to U-50's Weather: Partly cloudy to partly clear and cool. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
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Summary of Field Activities

0650- Wilder H&S mtg.

- RETEC performed the river water quality – background turbidity testing – upstream and downstream of the project site;
- RETEC personnel inspected and inventoried the RR-car waste containers;
- Wilder crew removed the Shoring dewatering pump discharge pipe from across the uplands and re-installed it along the inside of the south perimeter fence line (tying off to the fence line posts and hanging the pipe on the slope) to maintain containment
- NRC continuing daily oil recovery and sheen management in the east and west Uplands, and Shoring excavations;
- Wilder backfilling the SW Cell #1 Uplands excavation area;
- Wilder Hitachi 450 excavator was deconned and moved back to Levee area for the Shoring Wall excavation work, and excavator help set the blocks and Loader delivered blocks; set about 14 blocks today along eastern alignment;
- Wilder Water Treatment Plant operating on ½ the system plumbed through the bag filters, drawing water from the western Upland excavation (along the school yard), 24/7;
- WCC excavator JD 350D Completed the excavation of the Uplands area at Grid I-13;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 30 waste containers;
- RETEC performed the river water quality turbidity testing 4X today.

Upcoming Work

- WCC will continue backfilling of SW Cell #1 Upland Area.
- WCC will continue operating the WTP.
- NRC continuing daily oil recovery and sheen management.
- WCC will continue installing the Shoring Wall system.

Personnel on Site

RETEC: Dennis Metz

Subcontractor(s): Richard L./Test America, Scott Argus

Visitor(s): Richard Thomas/Ecology

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Reviewing BNSF RR Safety information. – proper PPE.

DELIVERIES/SHIPMENTS

WCC receiving Structural and Stabilization fill materials.

WCC loaded 30 waste containers (at ~60K lbs ea. ≈ 1,800,000 lbs).

MEETINGS HELD

None.

MONITORING PERFORMED

Argus technician performing the air monitoring and sampling and the noise monitoring.

RETEC Personnel performing the River Water Quality turbidity monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The following confirmation soil sample was submitted to the onsite Mobile Lab: SKY-SOIL-I13.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted the Daily Reports for 9-27-06 and 9-28-06 (these reports are late).

Louise B./Department of Ecology called to inform RETEC that the 3 Grids (J-12, I-12, and H-13) Sampled on Friday have been approved to be backfilled. This was followed up by an E-mail with the same approval.

Louise B./ Department of Ecology sent an E-mail message approving the Final Grid (I-13) for backfilling.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

WCC stockpiled Structural and Stabilization materials at the RR-Wye area, and transloaded to the levee for backfilling.

GENERAL REMARKS

The Test America Mobile Lab ran its final soil sample today and will begin packing up the lab equipment tomorrow for demobilizing the lab.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 9/01/06

Completed by: Dennis Metz

Daily Report

Date: 10/03/06 (Tuesday) Temp: L-40's to M-50's Weather: Mostly cloudy and cool. Rainfall: None	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390 RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
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Summary of Field Activities

0650- Wilder H&S mtg.

- RETEC personnel inspected and inventoried the RR-car waste containers;
- Wilder excavator Hitachi EX450L excavating the Shoring Wall trench along the eastern side of the Levee, near the SE corner;
- NRC continuing daily oil recovery and sheen management in the upland and shoring excavations;
- Wilder is decontaminating the Hitachi (Zaxis) 450 excavator, the JD 350D excavator and the boat; the JD 240D excavator is read to be picked up – decon completed;
- Wilder excavator JD 315C, placed the steel trench plates on the outer (impacted) side of the Shoring wall blocks; is backfilling Stabilization material on the Levee (clean) side of the Shoring wall blocks (to top of the block) and excavating the clean side for the pillow wall installation; the JD 544J Loader is assisting in the Shoring Wall work;
- WCC began laying the first geofabric layer for the pillow wall; tacked the fabric with Structural fill material, using the excavator, to hold it in place for the dozer to push backfill onto the fabric;
- Wilder Water Treatment Plant operating on ½ the system plumbed through the bag filters, 24/7;
- WCC backfilling and compacting in SW Upland Cell #1 + #2 areas, very close to being filled in to above water level;
- Test America is packing up the mobile lab trailer equipment in preparation for demobilization;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 6 waste containers;
- PR C performed the river water quality turbidity testing 4X today.

Upcoming Work

- WCC will continue backfilling of Cell #1/ #2 Upland area.
- WCC will continue operating the WTP.
- NRC continuing daily oil recovery and sheen management.

Personnel on Site

RETEC: Mike Byers, Sarah Albano, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): Louise Bardy/Ecology

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Trench shoring safety, and all equipment hydraulics on ground when not in equipment;

DELIVERIES/SHIPMENTS

WCC receiving Structural fill material.

WCC loaded 6 waste containers (at ~60K lbs ea. ≈ 360,000 lbs).

MEETINGS HELD

Weekly Construction Meeting with RETEC, WCC, and NRC.

Weekly Construction Update Meeting with RETEC, Dept. of Ecology, City of Skykomish and EnviroIssues.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.

RETEC Personnel performing the River Water Quality turbidity monitoring.

ST EHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

WCC lime treating wet material (using about ½ % lime) in the RR-Yard stockpile area, coming in from the Levee Shoring Wall excavation activity.

WCC stockpiled Structural material at the RR-Wye area today.

GENERAL REMARKS

RETEC collected 2 water samples, corresponding with turbidity testing, to submit for TSS analysis.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 10/03/06

Completed by: Dennis Metz

Daily Report

Date:	10/04/06 (Wednesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	M-40's to U-60's	
Weather:	Mostly clear and cool becoming mild.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	None	

Summary of Field Activities

- 0650- Wilder H&S mtg.
- RETEC personnel inspected and inventoried the RR-car waste containers;
 - Wilder crew completed the backfilling of the Upland excavation near 6th Street. This completes the backfilling of the excavated areas, except for the trench along the School Yard where the Shoring Wall is to be installed;
 - NRC continuing daily oil recovery and sheen management in the open excavations;
 - Wilder building the pillow wall portion of the Shoring Wall along the Eastern section;
 - Wilder excavator removed the fill along the north side of the Shoring Wall (on North side of Wheatley's property) and WCC crew continued installing the pillow wall up to about the NW corner of the Wheatley house;
 - Wilder Water Treatment Plant operating the full system again, with ½ the system plumbed through the bag filters, 24/7;
 - Test America demobilized the mobile lab trailer today;
 - WCC excavator Hitachi 450L excavating the Shoring Wall trench, extending from 5th Street entrance west and turning corner behind Wheatley house. Completed excavation and laying the blocks to the corner off the SW corner of Wheatley's;
 - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers;
 - RETEC performed the river water quality turbidity testing 4X today.

Upcoming Work

- will continue operating the WTP.
- NRC continuing daily oil recovery and sheen management.

Personnel on Site

RETEC: Mike Byers, Dennis Metz

Subcontractor(s): Richard L./Test America

Visitor(s): KPG representative

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Safety glasses; RR-Safety items review.

DELIVERIES/SHIPMENTS

WCC receiving Structural fill material.
WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).
Test America demobilized the Mobile laboratory trailer off site.
Test America demobilized Specialized Gas cylinders from the site.

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.
RETEC Personnel performing the River Water Quality turbidity monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The WTP NPDES water samples were submitted to the Test America lab in Bothel, WA via courier service.

Submitted four river water (turbid water) samples to the Test America lab for TSS analysis; included in the same cooler going to the Bothel, WA lab as the NPDES samples.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted Daily Report for 9-29-06 (this report is late).

WCC submitted Pay Estimate #6 for the Period: 9-13-06 to 9-30-06.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

None

GENERAL REMARKS

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 10/04/06

Completed by: Dennis Metz

Daily Report

Date:	10/05/06 (Thursday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L-50's to M-60's	
Weather:	Mostly cloudy and mildly cool.	
Rainfall:	None	
		RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618

Summary of Field Activities

0650- Wilder H&S mtg.

- RETEC personnel inspected and inventoried the RR-car waste containers;
- Wilder crew building the pillow wall along the north side of the Wheatley Property;
- NRC continuing daily oil recovery and sheen management at the west upland trench along the school yard;
- Wilder Water Treatment Plant operating full system, with ½ the system plumbed through the bag filters, 24/7;
- WCC excavator Hitachi 450L excavating the Shoring Wall trench, west from the SW corner of the Wheatley Property to 6th St.;
- Wilder crew installed 26 Eco -Blocks (~130 feet) along the south alignment between the Wheatley Property and 6th Street;
- Wilder move the Shoring trench pump intake from the SW corner behind the Wheatley Property to the west side of 6th Street;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers;
- RETEC performed the river water quality turbidity testing 4X today.

Upcoming Work

- WCC will continue operating the WTP.
- NRC continuing daily oil recovery and sheen management.
- WCC will continue the Shoring and associated pillow wall installation.

Personnel on Site

RETEC: Dennis Metz

Subcontractor(s): Scott/Argus

Visitor(s): None

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: General housekeeping; and RR Safety.

DELIVERIES/SHIPMENTS

WCC receiving Structural fill material.
WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).
WCC received delivery of storm water system catch basin.

MEETINGS HELD

Weekly internal RETEC Construction Update conference call.

MONITORING PERFORMED

Argus technician performing the air monitoring and sampling and the noise monitoring.
RETEC Personnel performing the River Water Quality turbidity monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK - SCHEDULE IMPACTS

WCC dozer grading the City Burn Dump for finish cover.

GENERAL REMARKS

Replied to Louise B./Ecology's e-mail concerning oil on the Eco-blocks in the Shoring Wall Trench, with a plan to have the NRC crew wipe the block off prior to backfilling the trench, as long as the trench is safe for the crew to enter.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 10/05/06

Completed by: Dennis Metz

Daily Report

Date:	10/06/06 (Friday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	U-40's to U-50's	
Weather:	Mostly cloudy, intermittent light rain, and mildly cool.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	? trace	
Summary of Field Activities		
0650- Wilder H&S mtg. - RETEC personnel inspected and inventoried the RR-car waste containers; - NRC continuing daily oil recovery and sheen management in the open excavation north of the school yard, and mop up operations in the Shoring Trench as needed; - Wilder removed the excess fill material from along the western half of the Levee and used it to backfill the Upland area (west of 6 th St.) and to construct a portion of the pillow wall; - Wilder continued installing the Shoring Wall pillow wall (west of the Wheatley property) up to about half way to 6 th Street; - Wilder Water Treatment Plant shut down for about half day today to vacuum out the sludges from the tanks; then operating the full system again, with ½ the system plumbed through the bag filters, 24/7; - WCC did not excavate any shoring Trench today; the pump drew the water in the trench down less than a foot, so the placement of the Eco-Block wall will not be continued next to the school; - WCC excavator Hitachi 450L excavated and placed the Storm Sewer Catch Basin #11 located at the 5th Street entrance, connecting into the existing storm sewer line; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 30 waste containers; - RETEC performed the river water quality turbidity testing 4X today.		
Upcoming Work		
- WCC will continue operating the WTP. - NRC continuing daily oil recovery and sheen management. - NRC to begin decontaminating some of their equipment this weekend at the RR-Yard decon pad.		
Personnel on Site:		
RETEC: Dennis Metz		
Subcontractor(s): None		
Visitor(s): Richard Thomas/Ecology		
Other Site Activity		
SAFETY/ISSUES MEETINGS Safety topic: JSA review for Utility Installations.		
DELIVERIES/SHIPMENTS WCC receiving Structural fill material. WCC loaded 30 waste containers (at ~60K lbs ea. ≈ 1,800,000 lbs). WCC demobilized the JD 350D Excavator from the site.		
MEETINGS HELD Conference call with RETEC and WCC personnel regarding the agreed status of the		
MONITORING PERFORMED RETEC personnel performing the air monitoring and noise monitoring. RETEC Personnel performing the River Water Quality turbidity monitoring.		

S KEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted the WTF Operations Summary for the Week Ending Sept 23, 2006.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

WCC continues to import materials to the RR-Wye area and transloading to the Levee when needed.

GENERAL REMARKS

WCC began some direct unloading of the Structural import material to the Levee this afternoon.

WCC disposed of the two Aqua Barriers in the RR-Car containers on Thursday – Oct 5, 2006.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 10/6/2006

Completed by: Dennis Metz

Daily Report

Date:	10/07/06 (Saturday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	M-40's to M-60's	
Weather:	Mostly cloudy and cool, then clearing and mild.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	None	
Summary of Field Activities		
0650- Wilder H&S mtg. - RETEC personnel inspected and inventoried the RR-car waste containers; - WCC (one man) decontaminating the Komatsu 500 Loader from the RR-Yard Stockpile area; - NRC continuing daily oil recovery and sheen management in the open excavations; - NRC began decontaminating equipment, that has been pulled out of service, at the RR-Yard decon pad; - Wilder Water Treatment Plant operating the full system again, with ½ the system plumbed through the bag filters, 24/7; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 24 waste containers;		
Upcoming Work		
- WCC will continue operating the WTP. - NRC continuing daily oil recovery and sheen management. - WCC will continue working on the Shoring Wall.		
Personnel on Site:		
RETEC: Dennis Metz		
Subcontractor(s): None		
Visitor(s): None		
Other Site Activity		
SAFETY/ISSUES MEETINGS Safety topic: None		
DELIVERIES/SHIPMENTS WCC loaded 24 waste containers (at ~60K lbs ea. ≈ 1,440,000 lbs).		
MEETINGS HELD None.		
MONITORING PERFORMED None		
STAKEHOLDER/MEDIA ISSUES None		
ANALYSIS SUBMITTED None		
SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT None		
VERBAL INSTRUCTIONS GIVEN/RECEIVED None		

C OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

None

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 10/7/2006

Completed by: Dennis Metz

Daily Report

Date:	10/09/06 (Monday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L-40's to M-60's	
Weather:	Clear and cool becoming mild.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	None	
Summary of Field Activities		
0650- Wilder H&S mtg. - RETEC personnel inspected and inventoried the RR-car waste containers; - Wilder crew backfilling the Upland area west and northwest of the Wheatley Property; - NRC continuing daily oil recovery and sheen management in the open excavations; - Wilder building the pillow wall portion of the Shoring Wall pillow wall west of the Wheatley Property, moved the trench plates over to continue building the pillow wall over to 6 th Street (this is the west half of the section between the Wheatley Property and 6 th St.); - Wilder Water Treatment Plant operating the full system again, with ½ the system plumbed through the bag filters, 24/7; - WCC excavator Hitachi 450L excavating Storm Sewer line extending from 5th Street entrance north, then turning west along W. River Drive, installed Catch Basins #10 and #9 and intermediate piping up to CB #11; - WCC backfilling W. River Drive to bring the grade up for installing the Storm Sewer CB's and piping; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers, one of the loaders was decontaminated on Saturday, so only one Loader is managing the stockpile at the RR-Yard now; - RETEC performed the river water quality turbidity testing 4X today.		
Upcoming Work		
- WCC will continue operating the WTP. - NRC continuing daily oil recovery and sheen management. - WCC will begin the Shoring Wall excavation north of the school beginning on Wednesday, if all designs and approvals are in place – waiting on final approval from Pita.		
Personnel on Site:		
RETEC: Dennis Metz		
Subcontractor(s): Dan J./ DB Davis		
Visitor(s): Ron Timm/ Ecology		
Other Site Activity		
SAFETY/ISSUES MEETINGS Safety topic: JSA shoring Wall review; Columbus Day – No School – watch for the kids.		
DELIVERIES/SHIPMENTS WCC receiving Structural fill material. WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).		
MEETINGS HELD None.		
MONITORING PERFORMED RETEC personnel performing the air monitoring and noise monitoring. RETEC Personnel performing the River Water Quality turbidity monitoring.		
KEHOLDER/MEDIA ISSUES		

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted the Weekly WTP Summary for WE 30-Sept-06.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

WCC receiving Structural fill materials at the RR-Wye and transloading to the Levee for backfilling.

GENERAL REMARKS

I asked Kato and Mike C. of WCC if they had anything on the City's proposed Sanitary Sewer line and they were not aware of it. Clint S/City stopped in the trailer and I asked him about the design of the Sanitary Line and he said that he had submitted all that information to Merv Coover/RETEC who was attempting to summarize it into a packet for the Subcontractor. This must be part of the packet scheduled to be given to the WCC on Wednesday Sept. 11, 2006.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 10/9/2006

Completed by: Dennis Metz

Daily Report

Date:	10/10/06 (Tuesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	M-30's to M-60's	
Weather:	Mostly clear and cool becoming mild.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	None	
Summary of Field Activities		
0650- Wilder H&S mtg. - RETEC personnel inspected and inventoried the RR-car waste containers; - Wilder crew continued the backfilling of the Shoring Wall and Upland House pad area; - NRC continuing daily oil recovery and sheen management in the open excavations; - Wilder Storm Sewer Piping from Catch Basin #8 to Catch Basin #9; - Wilder backfilled the 5 th Street Levee entrance road area this morning, to allow the haul trucks to make straight passes through the Levee area without having to back in and out. - Wilder Water Treatment Plant operating the full system again, with ½ the system plumbed through the bag filters, 24/7; - WCC excavator Hitachi 450L excavated the Shoring Wall trench this afternoon, within the trench boxes along the east edge of the school area. This work was to get the trench boxes dug down into place for the Control Density Fill (CDF) or other acceptable material. The third box was placed into the trench, but was not completed to depth. - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 6 waste containers and 8 over the road trucks with containers; - RETEC performed the river water quality turbidity testing 4X today.		
Upcoming Work		
W will continue operating the WTP. NRC continuing daily oil recovery and sheen management.		
Personnel on Site:		
RETEC: Merv Coover, Dennis Metz		
Subcontractor(s): Scott/Argus		
Visitor(s): Louise Bardy/Ecology, Clint S./City of Skykomish, Laura/EnviroIssues		
Other Site Activity		
SAFETY/ISSUES MEETINGS Safety topic: Cold temperatures overnight – possibility of frosty/icy steps on equipment.		
DELIVERIES/SHIPMENTS WCC receiving Structural fill material and direct hauling to the Levee area for unloading. WCC loaded 6 waste containers (at ~60K lbs ea. ≈ 360,000 lbs). WCC loaded 8 truck mounted waste containers (at ~60K lbs ea. ≈ 480,000 lbs). WCC demobilized the Hitachi 450 (Zaxis) Excavator off site today. WCC demobilized the Komatsu 500 Loader off site today.		
MEETINGS HELD Weekly Construction Meeting with RETEC, WCC, and NRC. Weekly Construction Update Meeting with RETEC, Dept. of Ecology, City of Skykomish, and EnviroIssues.		
MONITORING PERFORMED Argus technician performing the air monitoring and sampling and the noise monitoring. RETEC Personnel performing the River Water Quality turbidity monitoring.		

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

RETEC gave WCC the verbal approval to install a 2-inch water line stick up inside of the Levee wall for future irrigation hookup.

OUT OF SCOPE WORK – SCHEDULE IMPACTS

WCC transloaded some remaining 'Fish Rock' (River Fill) material, stockpiled at the City Dump, to the Levee area.

GENERAL REMARKS

Louise B./Ecology called D. Metz/RETEC this morning about question the came from Clint S./City of Skykomish regarding a 'stake in the river". I mentioned to Louise B. that Clint had already asked both WCC and RETEC that same question yesterday afternoon and no one knew the answer. I told her that I would make additional inquiries during this morning's Weekly Construction Meeting. Mike Cabe/WCC explained that this stake with piece of reflective tape around the top, has been in the river for months and was used by the WTP technicians at night to locate their river water sampling point. I passed this information on to both Louise B./Ecology and Clint S./City at their meeting.

Daily Discharge: ??? gallons**Total Discharged to Date:** ??? gallons

Date: 10/10/2006

Completed by: Dennis Metz

Daily Report

Date:	10/11/06 (Wednesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L-40's to M-60's	
Weather:	Mostly clear and cool becoming mild.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	None	
Summary of Field Activities		
0650- Wilder H&S mtg. - RETEC personnel inspected and inventoried the RR-car waste containers; - Wilder crew continued backfilling, grading and compacting fill in the House Pad area between 5 th and 6 th Streets to bring it up to grade; - NRC continuing daily oil recovery and sheen management in the open excavations; - Wilder Water Treatment Plant operating the full system again, with ½ the system plumbed through the bag filters, 24/7; - WCC excavator Hitachi 450L excavated the 3 rd trench box in for the Shoring Wall trench next to the school in anticipation of completing the below water portion of this wall, possibly tomorrow; - WCC crew are performing a fair amount of cleanup around the Levee and RR-Yard Support Area as they are waiting on materials (such as wall blocks) to be delivered and other issues, such as utilities, to be worked out; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers; - RETEC performed the river water quality turbidity testing 4X today.		
Upcoming Work		
- WCC will continue operating the WTP, - NRC continuing daily oil recovery and sheen management. WCC will continue to backfill the House Pad area to bring it up to grade.		
Personnel on Site:		
RETEC: Dennis Metz		
Subcontractor(s): None		
Visitor(s): Hillary/EnviroIssues in town for tonight's School Board meeting.		
Other Site Activity		
SAFETY/ISSUES MEETINGS Safety topic: Reminder of the City Ordinance regarding Sunday Work hours.		
DELIVERIES/SHIPMENTS WCC receiving Structural fill material, directly off loaded at the Levee area. WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs). WCC demobilized the CAT 966 Loader off site today.		
MEETINGS HELD Weekly RETEC Construction Update conference call.		
MONITORING PERFORMED RETEC personnel performing the air monitoring and noise monitoring. RETEC Personnel performing the River Water Quality turbidity monitoring.		
STAKEHOLDER/MEDIA ISSUES None		



A LYSIS SUBMITTED

RETEC submitted the WTP NPDES water samples to Test America Laboratory in Bothel, WA via courier service.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

BRH, Inc. surveyor stopped into RETEC trailer and made a copy of his field notes. The school hasn't moved. RETEC received delivery of the pH meter today, to be used for the River Water Quality monitoring.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 10/11/2006
Completed by: Dennis Metz

Daily Report

Date:	10/12/06 (Thursday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	M-40's to M-60's	
Weather:	Mostly clear and cool becoming mild.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	None	
Summary of Field Activities		
0650- Wilder H&S mtg. - RETEC personnel inspected and inventoried the RR-car waste containers; - Wilder crew backfilling of the Upland House Pad area between 5 th and 6 th Streets; - NRC continuing daily oil recovery and sheen management in the open excavations; - DB Davis contractor is working on the Teacherage House dry rot, (sill plates and front porch floor joists) that were part of his original contract, only; - Wilder building the pillow wall portion of the Shoring Wall along the southern section of the site, between and Wheatley property and 6 th Street; - Wilder Water Treatment Plant operating the full system again, with ½ the system plumbed through the bag filters, 24/7; - WCC utilizing a concrete pumping contractor, filled the 3 trench boxes of the Shoring Wall on the NE corner of the school; - WCC excavator Hitachi 450L stood by at the Shoring Wall trench adjacent to the school to remove the trench boxes once the boxes were full of the tremie-able concrete fill; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 30 waste containers; - RETEC performed the river water quality turbidity and pH testing 4X today.		
Upcoming Work		
WCC will continue operating the WTP. NRC continuing daily oil recovery and sheen management. - WCC will dig in the 3 trench boxes for the Shoring Wall on the NW corner of the school on Friday. They anticipate pumping the concrete mix into the boxes on Monday.		
Personnel on Site:		
RETEC: Merv Coover, Dennis Metz		
Subcontractor(s): None		
Visitor(s): None		
Other Site Activity		
SAFETY/ISSUES MEETINGS Safety topic: Safety in general – Slip/Trip/Fall hazards.		
DELIVERIES/SHIPMENTS WCC importing Structural fill material and directly unloading at the Levee area. WCC loaded 30 waste containers (at ~60K lbs ea. ≈ 1,800,000 lbs). WCC receiving concrete for the first 3 trench boxes in the Shoring Wall Adjacent to the School's NE corner. RETEC/BNSF received the shipment of 400 waste container liners. WCC unloaded the truck.		
MEETINGS HELD None.		
MONITORING PERFORMED RETEC personnel performing the air monitoring and noise monitoring. RETEC Personnel performing the River Water Quality turbidity monitoring and pH testing.		

S KEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted the Daily Reports for 10-02-06 to 10-05-06.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

Left a message with Johann W./BGH to see when they could schedule a survey crew to be in Skykomish to install the property corners for the house relocation and foundation work.

RETEC performed 4 rounds of pH testing (upstream and downstream) along with the turbidity testing today and all of the pH values came in between 6.5 and 7.0 SU.

Daily Discharge: ??? gallons**Total Discharged to Date:** ??? gallons

Date: 10/12/2006

Completed by: Dennis Metz

Daily Report

Date:	10/13/06 (Friday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	M-40's to U-60's	
Weather:	Mostly clear and cool becoming mild.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	None	
Summary of Field Activities		
0650- Wilder H&S mtg. - RETEC personnel inspected and inventoried the RR-car waste containers; - Wilder crew cutting out the rough foundation excavations on the Mitchell East and West houses, and the Mackner house; - NRC continuing daily oil recovery and sheen management in the open excavations; - Wilder Water Treatment Plant operating the full system again, with ½ the system plumbed through the bag filters, 24/7; - WCC excavator Hitachi 450L excavating the Shoring Wall trench, digging in the trench boxes on the west side of the Shoring Wall adjacent to the school building, in preparation to pour the concrete on Monday; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 24 waste containers; - RETEC performed the river water quality turbidity testing 4X today and pH testing 3X.		
Upcoming Work		
- WCC will continue operating the WTP. - NRC continuing daily oil recovery and sheen management.		
Personnel on Site:		
RETEC: Merv Coover, Sue Walston, Dennis Metz		
Subcontractor(s): Scott R./Argus		
Visitor(s): None		
Other Site Activity		
SAFETY/ISSUES MEETINGS Safety topic: Short day – work safely.		
DELIVERIES/SHIPMENTS WCC loaded 24 waste containers (at ~60K lbs ea. ≈ 1,440,000 lbs).		
MEETINGS HELD Merv C./RETEC, Jim Davis/DB Davis, and Mike Moore/School Board to meet and go over the items to be repaired on the Teacherage house under DB Davis' bid estimate.		
MONITORING PERFORMED Argus technician performing the air monitoring and sampling and the noise monitoring. RETEC Personnel performing the River Water Quality turbidity and pH monitoring.		
STAKEHOLDER/MEDIA ISSUES None		
ANALYSIS SUBMITTED None		
TRANSMITTALS/TRANSMITTAL RECEIVED AND/OR SENT None		



V .BAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

WCC crew is rough excavating the three house foundations (Mitchell East and West, and Mackner houses) and WCC said that there would be no additional charge for this work.

D. Metz left at noon today for weekend off, and S. Walston

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 10/13/2006

Completed by: Dennis Metz

Daily Report

Date:	10/17/06 (Tuesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	M-40's to M-50's	
Weather:	Overcast and cool becoming mildly cool.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	None	
Summary of Field Activities		
0650- Wilder H&S mtg. - RETEC personnel inspected and inventoried the RR-car waste containers; - Wilder crew continued building the pillow wall along the Shoring Wall from 6th Street to about the NE corner of the school; - NRC continuing daily oil recovery and sheen management in the open excavation(s); - Wilder backfilling of the Upland excavation from 6 th Street to the school; - Wilder Water Treatment Plant shut down for most of the day as the work started on the Shoring Wall adjacent to the School Yard, beginning at the west end nearest the WTP. The WTP will be restarted this evening following maintenance on the system pumps; - WCC excavator Hitachi 450L excavated approximately 100 feet of the Shoring Wall trench along the School Yard, extending from western end (nearest the WTP) eastward; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers; - RETEC performed the river water quality turbidity testing 4X today.		
Upcoming Work		
- WCC will continue operating the WTP. - NRC continuing daily oil recovery and sheen management. - WCC will continue installation of the Shoring Wall along the School Yard.		
Personnel on Site:		
RETEC: Merv Coover, Dennis Metz		
Subcontractor(s): None		
Visitor(s): Clint S./City of Skykomish, Angie/EnviroIssues		
Other Site Activity		
SAFETY/ISSUES MEETINGS Safety topic: Be Careful.		
DELIVERIES/SHIPMENTS WCC receiving Structural fill material. WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).		
MEETINGS HELD Weekly Construction Meeting with RETEC, WCC, and NRC. Weekly construction Update meeting with RETEC, Dept. of Ecology, City of Skykomish, and EnviroIssues.		
MONITORING PERFORMED RETEC personnel performing the noise monitoring. RETEC Personnel performing the River Water Quality turbidity monitoring.		
STAKEHOLDER/MEDIA ISSUES None		

A LYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

The night lights will continue to be used at the open excavation area near the School Yard, as a bird deterrent measure.

Daily Discharge: ??? gallons**Total Discharged to Date:** ??? gallons

Date: 10/17/2006

Completed by: Dennis Metz

Daily Report

Date:	10/18/06 (Wednesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L-40's to M-50's	
Weather:	Overcast, rainy and cool.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	0.08 inches (as of 1730 Hrs.)	

Summary of Field Activities

0650- Wilder H&S mtg.

- RETEC personnel inspected and inventoried the RR-car waste containers;
- Wilder crew continued the backfilling of the Upland excavation near 6th Street;
- NRC continuing daily oil recovery and sheen management in the open excavations;
- Wilder building the pillow wall portion of the Shoring Wall along 6th Street and the NE corner of the school;
- Wilder backfilling 6th Street and the Teacherage house pad area;
- BRH Survey crew on site and installed the Property Corners for the area between 5th and 6th Streets;
- Wilder Water Treatment Plant was shut down this morning after the Shoring Wall excavation began, due to oil issues in the WTP. The WTP was restarted around 1400 Hours and operating the full system again, 24/7;
- WCC began laying out the Levee Wall alignment along the section west of 6th Street;
- WCC excavator Hitachi 450L excavating the Shoring Wall trench, extending from the WTP eastward to about Grid 19/20,
- WCC excavated the top of the 84-inch manhole to install the backflow preventer, did not finish this task today;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 24 waste containers;
- RETEC performed the river water quality turbidity testing 4X today.

Upcoming Work

- WCC will continue operating the WTP.
- NRC continuing daily oil recovery and sheen management.
- WCC will continue to install the Shoring Wall.

Personnel on Site:

RETEC: Dennis Metz

Subcontractor(s): BRH 2-man survey crew.

Visitor(s): None

Other Site Activity
SAFETY/ISSUES MEETINGS

Safety topic: JSA for the Levee Wall Installation reviewed.

DELIVERIES/SHIPMENTS

WCC receiving Structural fill material.
WCC loaded 24 waste containers (at ~60K lbs ea. ≈ 1,440,000 lbs).
WCC received a load of the Levee Wall block.

MEETINGS HELD

RETEC Internal Construction update conference call.

MONITORING PERFORMED

RETEC personnel performing the noise monitoring, air monitors not placed due to the rainy weather.
RETEC Personnel performing the River Water Quality turbidity monitoring.



S KEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

RETEC submitted the completed River Water Quality forms to the Dept. of Ecology for the period Sept. 11 to 17, 2006.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 10/18/2006

Completed by: Dennis Metz

Daily Report

Date:	10/19/06 (Thursday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	U-40's to M-50's	
Weather:	Overcast, rainy and mildly cool.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	0.34 inches (as of 1745 Hours)	
Summary of Field Activities		
0650- Wilder H&S mtg. - RETEC personnel inspected and inventoried the RR-car waste containers; - Wilder crew <u>installed the Check Valve</u> into the 84-inch Manhole located on the Levee; - NRC continuing daily oil recovery and sheen management in the open excavation; - Wilder constructing the pillow wall portion of the Shoring Wall along the School Building section; - Wilder backfilling the Teacherage House Pad area and 6 th Street; - Wilder Water Treatment Plant is operating the full system 24/7; - WCC excavator Hitachi 450L <u>completed the excavation of the Shoring Wall</u> trench along the School yard; - WCC crew strung liner along the School Yard Shoring Wall trench out about half way along the trench length, then began backfilling the trench with Stabilization fill material. The trench bottom is being surveyed as the backfilling progresses; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 30 waste containers; - RETEC performed the river water quality turbidity testing 4X today.		
Upcoming Work		
- WCC will continue operating the WTP. - NRC continuing daily oil recovery and sheen management. ○ will continue backfilling the Shoring Wall, west of 6 th Street.		
Personnel on Site:		
RETEC: Dennis Metz		
Subcontractor(s): Scott R./Argus, Hillary J./ EnviroIssues		
Visitor(s): Susan Lee/Ecology		
Other Site Activity		
SAFETY/ISSUES MEETINGS Safety topic: Housekeeping.		
DELIVERIES/SHIPMENTS WCC receiving Structural and Stabilization fill materials. WCC loaded 30 waste containers (at ~60K lbs ea. ≈ 1,800,000 lbs).		
MEETINGS HELD None.		
MONITORING PERFORMED Argus technician performing the air monitoring and sampling and the noise monitoring. RETEC Personnel performing the River Water Quality turbidity monitoring.		
STAKEHOLDER/MEDIA ISSUES None		

**A. ANALYSIS SUBMITTED**

The WTP NPDES water samples were submitted, via courier service, to the Test America lab in Bothel, WA.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

Incoming call from Angie/EnviroIssues – she had received a call from Susan Lee/Ecology concerned that the Shoring Wall was situated in such a manner as to be leaving 'contaminated material' under some of the Property Owners land, which would either have to be left there or the properties would have to be dug up again in the future to remove it. I told her that I wasn't sure of the answer to that questions and she might contact Merv Coover at RETEC, who might have an answer.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 10/19/2006

Completed by: Dennis Metz



Daily Report

Date:	10/20/06 (Friday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	M-40's to U-50's	
Weather:	Mostly cloudy and cool.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	0.05 inches (overnight)	

Summary of Field Activities

0650- Wilder H&S mtg.
- RETEC personnel inspected and inventoried the RR-car waste containers;
- NRC continuing daily oil recovery and sheen management in the open excavation, job completed today when the final trench was filled above the water level;
- Wilder building the pillow wall portion of the Shoring Wall adjacent to the School;
- Wilder installed the last section of the Shoring Wall liner along the western portion of the trench adjacent to the school yard;
- Wilder backfilling the Shoring Wall trench along the School Yard to above the water level;
- Wilder Water Treatment Plant operating the full system 24/7, shut down for most of the day as the Shoring Wall trench was backfilled;
- WCC Hitachi 450L excavator was moved to the RR-Yard for decontamination;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers;
1530- WCC crew shut down for the day.
- RETEC performed the river water quality turbidity testing 4X today.

Upcoming Work

- WCC will continue operating the WTP.
- WCC will decon, clean, and load equipment this weekend and will demobilize from the site on Sunday or Monday.

Personnel on Site:

RETEC: Merv Coover, Dennis Metz

Subcontractor(s): None

Visitor(s): None

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: General site safety.
Eric Hartman/WCC-SSHO (Penzant) demobilized from the site today.

DELIVERIES/SHIPMENTS

WCC receiving Structural and Stabilization fill materials.
WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).
WCC received and unloaded two truckloads of the Levee block today.
WCC received a roll of liner material to finish lining the Shoring Wall trench.

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.
RETEC Personnel performing the River Water Quality turbidity monitoring.

S KEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted Pay Estimate #7 for the Period 10-1-06 to 10-15-06.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

Transloading Stabilization materials from the RR-Wye area to the Levee – Shoring Wall trench.

GENERAL REMARKS

Mike Moore from the school, complained about the vibration from the compactor, in the north wing of the school building. I discussed the issue with WCC and the work was shifted to the west after completing the present pillow wall lift. The compactor operator also had the vibratory setting on 'high' and he shifted it to 'low'. Heather C./WCC checked back with the school after the adjustments were made and they appeared to be satisfactory.

Daily Discharge: ??? gallons**Total Discharged to Date:** ??? gallons

D 10/20/2006

Completed by: Dennis Metz



Daily Report

Date:	10/23/06 (Monday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	M-30's to L-50's	
Weather:	Clear and cold to mildly cool.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	None	
Summary of Field Activities		
0650- Wilder H&S mtg. - RETEC personnel inspected and inventoried the RR-car waste containers; - Wilder crew continued the backfilling of the Shoring Wall excavation along the School Yard; - NRC demobilized men and equipment from the site over the weekend or early this morning; - Wilder checked and adjusted the final sub-grade elevations on the House Pad areas; - Wilder Water Treatment Plant operating 24/7, although the system was shut down for a short time today as the crew re-plumbed piping on the clarifiers to reduce the tanks from four tanks down to two clarifier tanks; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers; - Wilder had NO RR-cars/containers to fill on Saturday (10-21-06); 1630 – WCC shut down construction activities for the day. - RETEC performed the river water quality turbidity testing 4X today.		
Upcoming Work		
- WCC will continue operating the WTP. - WCC will continue backfilling the Shoring Wall area near the school grounds. - DB Davis will begin house foundation work. 1 surveyors will be on site Tuesday to finish setting the Property Corners for the foundation work to begin.		
Personnel on Site:		
RETEC: Dennis Metz		
Subcontractor(s): Scott R./Argus Pacific		
Visitor(s): None		
Other Site Activity		
SAFETY/ISSUES MEETINGS Safety topic: Work safely.		
DELIVERIES/SHIPMENTS WCC receiving Structural fill material at the Levee area. WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).		
MEETINGS HELD None.		
MONITORING PERFORMED Argus technician performing the air monitoring and sampling and the noise monitoring. RETEC Personnel performing the River Water Quality turbidity monitoring.		
STAKEHOLDER/MEDIA ISSUES None		
ANALYSIS SUBMITTED		

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

Mike Moore requested that the Air Sampling/Monitoring being performed inside of the School be modified such that it ends at 1600 Hours, which is the end of his work day now. This also coincides fairly closely with the present work day at the site, with the shorter daylight hours and most of the dirt work being completed. I telephoned Halah V./RETEC who will send an e-mail to E. Black/Argus Pacific regarding the changing schedule.

D. Metz spoke with H/ Voges about a monitoring well (#5W6), which appears to be abandoned, located on the west side of the 5th Street bridge between the piers to verify that it supposed to be removed. The surface casing is still in place, and was probably expected to be removed during the construction work, but was close enough to the bridge that it wasn't removed. H. Voges verified with S. Howard that the well was supposed to be removed during construction. D. Metz will notify the Wilder personnel to have the surface completion removed and some clean fill placed over the area.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

D. 10/23/2006

Completed by: Dennis Metz

Daily Report

Date:	10/24/06 (Tuesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	U-30's to U-40's	
Weather:	Overcast and rain (beginning at 0700 hrs) and cool.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	0.6 inches (as of 1350 Hrs); 1.0 inches (as of 1700 Hrs)	

Summary of Field Activities

0650- Wilder H&S mtg.
 - RETEC personnel inspected and inventoried the RR-car waste containers;
 - Wilder crew continued the backfilling of the Shoring Wall excavation west of the Teacherage location;
 - BRH surveyors finished setting the Property Corners for the Teacherage and Moore Properties, and an elevation check on the school building.
 - Wilder crew installed the Storm Sewer Catch Basin #6 today and ran the sewer pipe to CB #5 and CB #8;
 - Wilder Water Treatment Plant operating 24/7, shut down for a period of time today to repair a broken pipe;
 - WCC Hitachi 450L excavator was demobilized off site today;
 - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 24 waste containers;
 - RETEC performed the river water quality turbidity testing 4X today.
 - Wilder crew grouted the pipe at CB #8.
 1730- WCC crew done for the day.

Upcoming Work

- WCC will continue operating the WTP.
 - Davis will begin the house foundation work this week.
 - W will continue the Storm Sewer installation work at 6th Street.

Personnel on Site:

RETEC: Merv Coover, Dennis Metz

Subcontractor(s): Hillary J. /EnviroIssues, BRH Surveyors

Visitor(s): Susan Lee/Ecology, Clint S. /City

Other Site Activity
SAFETY/ISSUES MEETINGS

Safety topic: Wet weather - slip-trip-fall hazards.

DELIVERIES/SHIPMENTS

WCC receiving Structural fill material.
 WCC loaded 24 waste containers (at ~60K lbs ea. ≈ 1,440,000 lbs).
 WCC demobilized the Hitachi 450 excavator off site today.
 WCC received a load of the Levee blocks and unloaded at the Levee.

MEETINGS HELD

Weekly Construction Meeting with RETEC, WCC, and NRC.
 Weekly Construction Update meeting with RETEC, Dept. of Ecology, City of Skykomish, and EnviroIssues.

MONITORING PERFORMED

RETEC personnel performing the noise monitoring, the air monitors were not placed due to the rainy weather.
 RETEC Personnel performing the River Water Quality turbidity monitoring.

S KEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

Dept. of Ecology gave their approval to remove the oil boom from the river and this message was passed on to WCC.

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

BRH surveyors performed an elevation survey on the School Building today following the completion of the excavation and backfilling of the Shoring Wall trench; and the survey indicated no movement had taken place during this work.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 10/24/2006

Completed by: Dennis Metz

Daily Report

Date:	10/25/06 (Wednesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L-40's to U-50's	
Weather:	Mostly cloudy and cold turning partly cloudy and cool.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	0.19 inches (as of 0740 Hrs)	

Summary of Field Activities

0650- Wilder H&S mtg.
 - RETEC personnel inspected and inventoried the RR-car waste containers;
 - Wilder crew continued to install the Storm Water system on 6th Street, installing CB #7 and corrugated HDPE piping to CB-#6, and CB #7A with Ductile Iron piping back to CB #7;
 - Wilder Water Treatment Plant operating the 24/7, shut down for a period of time today while the crew removed piping associated with the Red train side of the system;
 - WCC crew relocated the Levee block and sand and gravel staged on the Moore Property over to the school yard property;
 - DB Davis 2-man crew on site and began laying out the foundation for the Mackner house.
 - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 30 waste containers;
 - RETEC performed the river water quality turbidity testing 4X today.
 1730- WCC crews finished for the day.

Upcoming Work

- WCC will continue operating the WTP.
- WCC crew will continue installing the storm Water System.
- DB Davis crew to continue house foundation activities.

Personnel on Site:

RETEC: Dennis Metz

Subcontractor(s): Jim Davis and Dan /DB Davis

Visitor(s): None

Other Site Activity
SAFETY/ISSUES MEETINGS

Safety topic: Wet surfaces – slip / trip / falls.

DELIVERIES/SHIPMENTS

WCC loaded 30 waste containers (at ~60K lbs ea. ≈ 1,800,000 lbs).

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the air monitoring and noise monitoring.
 RETEC Personnel performing the River Water Quality turbidity monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The WTP NPDES water samples were submitted, via courier service, to the Test America lab in Bothell, WA.



S .MITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted Daily Reports for October 12th, 13th, 16th, and 17th, 2006.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

The revised Storm Water system layout on 6th Street included a new Catch Basin #7A, located at a specified distance from CB #7. The Wilder crew measured this out and placed CB #7A accordingly. The plan view of the CB #7A indicated that CB #7A should fall on the 'clean side' of the Shoring Wall, which it did not. D. Metz/RETEC gave Wilder the verbal approval to leave CB #7A where they located it, since moving the CB into the shoring wall side where it would not be disturbed by future work would have moved it 15 feet or more from its present location.

OUT OF SCOPE WORK – SCHEDULE IMPACTS

Wilder removed the oil boom from the river.

GENERAL REMARKS

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 10/25/2006

Completed by: Dennis Metz

Daily Report

Date:	10/26/06 (Thursday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L-40's to M-50's	
Weather:	Mostly cloudy and cool, with light intermittent misty rain.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	Trace	
Summary of Field Activities		
0650- Wilder H&S mtg. - RETEC personnel inspected and inventoried the RR-car waste containers; - Wilder Water Treatment Plant operating one train, 24/7, operations shut down this afternoon for system pump changes. - WCC installing the last Storm Water system Catch Basin #7B and the ductile iron piping to CB #7, then grouting the pipe at the catch basins, this completes the underground portion of the Storm Sewer installation work. - Two-man DB Davis crew on site laying out the foundations for the two Mitchell houses and the Mackner house; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers; - RETEC performed the river water quality turbidity testing 4X today, plus two DS samples at 300-Ft from WTP. 1730-WCC crews off site.		
Upcoming Work		
- DB Davis to continue the house foundation work. - WCC to continue operating the WTP. - WCC to begin the Levee Wall work when the design comes in. - WCC to continue loading impacted materials into the RR-car containers for off-site disposal.		
Personnel on Site:		
RETEC: Dennis Metz		
Subcontractor(s): Scott R./Argus Pacific		
Visitor(s): None		
Other Site Activity		
SAFETY/ISSUES MEETINGS Safety topic: Work and Stay Safe – most accidents happen at very beginning or end of a project.		
DELIVERIES/SHIPMENTS WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs). WCC received two truckloads of the Levee Wall blocks today. WCC demobilized the scaffolding used for lining the truck containers. WCC demobilized the light plant NRC used for night work and bird deterrence.		
MEETINGS HELD Weekly Internal RETEC Construction Update conference call.		
MONITORING PERFORMED Argus technician performing the air monitoring and sampling and the noise monitoring. RETEC Personnel performing the River Water Quality turbidity monitoring.		
STAKEHOLDER/MEDIA ISSUES None		

A LYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted 4 Construction Daily Reports for October 18, 19, 20, and 23, 2006.

WCC submitted the Weekly Summary WTF Report for the Week Ending 7-Oct-06.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

D. Metz/RETEC instructed WCC to take the Odor Control Equipment off of rent. WCC said that they would check the monthly rental period to see when it ends.

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

Mike Moore asked about the status of the requested improvements around the Teacherage. I received an e-mail with the requested improvement information. The sidewalk will be extended around the corner of the Teacherage as requested, the septic probably won't be affected by the concrete Shoring Wall, and the driveway and sidewalk estimate has not been completed since the flatwork isn't going to happen until 2007. Mike Moore was informed of this information.

Daily Discharge: ??? gallons**Total Discharged to Date:** ??? gallons

Date: 10/26/2006

Completed by: Dennis Metz



Daily Report

Date: 10/27/06 (Friday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp: U-40's to M-50's	
Weather: Overcast and cool, rainy.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall: 0.07 inches (as of 0750 Hrs)	
Summary of Field Activities	
0650- Wilder H&S mtg. - RETEC personnel inspected and inventoried the RR-car waste containers; - Wilder Water Treatment Plant has gone into standby mode, operating one train as needed to keep the GAC fresh; - WCC crew cleaning out the 4 clarifier tanks with vacuum truck and hauling sludge to RR-yard for disposal; - WCC moved the four Clarifier (Rain-For-Rent) tanks out onto the Levee for quick access to be relocated to the RR-Yard; - DB Davis two-man crew on site laying out house foundations; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 6 waste containers; 1600- WCC off site, except the WTP crew. - RETEC performed the river water quality turbidity testing 4X today.	
Upcoming Work	
- WCC will begin the WTP build up at the RR-Yard. - DB Davis will continue the house foundation work. - WCC will operate the smaller version of the WTP on an as needed bases, and to keep the GAC fresh.	
Personnel on Site:	
RETEC: Dennis Metz	
Subcontractor(s): Jim D. and Dan /DB Davis	
Visitor(s): None	
Other Site Activity	
SAFETY/ISSUES MEETINGS Safety topic: Safety cleaning WTP tanks – slippery surfaces. One person always on top of tank to watch.	
DELIVERIES/SHIPMENTS WCC loaded 6 waste containers (at ~60K lbs ea. ≈ 360,000 lbs). WCC demobilized a number of the steel plates today, picked up by United Rental Company.	
MEETINGS HELD None.	
MONITORING PERFORMED RETEC personnel performing noise monitoring; air monitors not placed today due to the rainy weather. RETEC Personnel performing the River Water Quality turbidity monitoring.	
STAKEHOLDER/MEDIA ISSUES None	
ANALYSIS SUBMITTED None	



S . MITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted the Daily Report for October 24, 2006.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

I was informed by Mike Cabe / WCC Superintendent, that the WTP is operable and on standby to treat RR-Yard storm water runoff as needed. The system will be operated about twice per day for a period of 4-5 hours to keep the GAC fresh. The water will be pumped from the sump located along the Shoring Wall near the school yard.

D. Metz/RETEC provided hard copies of the house relocations plan drawings (8.5" x 11.0") to Jim Davis of DB Davis, at the Levee Site today.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 10/27/2006

Completed by: Dennis Metz

Daily Report

Date:	11/01/06 (Wednesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L-30's to U-40's	
Weather:	Mostly clear and cold becoming cool.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	None	
Summary of Field Activities		
0650- Wilder H&S mtg. - RETEC personnel inspected and inventoried the RR-car waste containers; - WCC crew continued plumbing the new WTP at the RR-Yard; - DB Davis crew continued the layout of the foundations of the houses at the Levee; - WCC dug in an electrical conduit under the road entering the SW corner to the RR-Yard for the new WTP; - DB Davis moving crew arrived on site to begin the process of placing wheels under the houses; - Wilder Water Treatment Plant operating one train, as needed for freeze protection; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers; 1530- WCC crews off site for the day, except for the WTP operators; - RETEC performed the river water quality turbidity testing 4X today.		
Upcoming Work		
- WCC to excavate the foundation areas for out for DB Davis. - DB Davis to continue preparations to move the houses back to the Levee.		
Personnel on Site:		
RETEC: Dennis Metz		
Subcontractor(s): DB Davis		
Visitor(s): None		
Other Site Activity		
SAFETY/ISSUES MEETINGS Safety topic: Weather appropriate clothing – cold temperatures.		
DELIVERIES/SHIPMENTS WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs). WCC demobilized the Vibratory Roller off the site today. WCC demobilized two pumps and one Monitoring Container/Bldg from the WTP today.		
MEETINGS HELD None.		
MONITORING PERFORMED RETEC personnel performing the air monitoring and noise monitoring. RETEC Personnel performing the River Water Quality turbidity monitoring.		
STAKEHOLDER/MEDIA ISSUES None		
ANALYSIS SUBMITTED None		



S .MITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted the Construction Daily Reports for 10-25, -26, -27, and -30, 2006.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

DB Davis informed RETEC that BN has an agreement with the house owners to heat the houses while they are in storage.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 11/01/2006

Completed by: Dennis Metz

Daily Report

Date:	11/02/06 (Thursday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	U-30's to M-40's	
Weather:	Mostly clear and cold.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	0.17 inches (as of 1715 Hours)	

Summary of Field Activities

0650- Wilder H&S mtg.

- RETEC personnel inventoried the RR-car waste containers;
- WCC crew lined the RR-Car waste containers today;
- WCC CAT 315 excavator and loader excavated the foundation areas for the Moore and Teacherage house and re-excavated the Mackner house foundation area;
- WCC crews continued to plumb up the new WTP at the RR-Yard;
- DB Davis crew on site and began installing the wheels on the house in preparation for moving;
- Wilder Water Treatment Plant operating one train, as needed for freeze protection and storm water treatment;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 6 waste containers;
- 1530- WCC crews off site for the day, except for the WTP operators;
- RETEC performed the river water quality turbidity testing 4X today.

Upcoming Work

- DB Davis working on house foundations.

Personnel on Site:

RETEC: Dennis Metz

Subcontractor(s): DB Davis crews

Visitor(s): None

Other Site Activity
SAFETY/ISSUES MEETINGS

Safety topic: Slippery surfaces.

DELIVERIES/SHIPMENTS

WCC loaded 6 waste containers (at ~60K lbs ea. ≈ 360,000 lbs).

WCC received delivery of a fork lift, to be used when loading the GAC units with carbon, scheduled for Friday.

MEETINGS HELD

None.

MONITORING PERFORMED

Argus technician performing the air monitoring and sampling and the noise monitoring.

RETEC Personnel performing the River Water Quality turbidity monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

The WTP NPDES water samples were submitted, via courier service, to the Test America lab in Bothell, WA.

S .MITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

RETEC requested the DB Davis get a cost estimate to place and maintain heaters in the stored houses.

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

Argus Pacific is performing the air sampling and monitoring for the last time today for this phase of the Skykomish project. Argus will demobilize the Data Rams and the sampling Pumps at the end sampling day today.

Jim Davis/DB Davis is scheduled to meet with Mike Moore at 0800 Hours on Friday to spot locate the new location of the Teacherage Shed.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 11/2/2006

Completed by: Dennis Metz

**Daily Report**

Date:	11/03/06 (Friday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	U-30's to U-40's	
Weather:	Overcast and raining, cool.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	0.78 inches (as of 0745 Hours)	

Summary of Field Activities

0650- Wilder H&S mtg.

- RETEC personnel inventoried the RR-car waste containers;
- WCC crew lining the RR-car containers;
- Wilder Water Treatment Plant operating one train, as needed for freeze protection and storm water treatment;
- WCC crew working with a vacuum truck to clean out more tanks at the Levee WTP;
- WCC electrical subcontractor is pulling electrical power under the RR-Yard road, next to Wilders trailer, for new WTP;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers;
- RETEC performed the river water quality turbidity testing 2X today.

Upcoming Work

- DB Davis working on house foundations.

Personnel on Site:

RETEC: Dennis Metz

Subcontractor(s): DB Davis crew

Visitor(s): None

Other Site Activity**SAFETY/ISSUES MEETINGS**

Safety topic: Slippery surfaces whether working on the RR-cars or at the WTP.

DELIVERIES/SHIPMENTS

WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).

WCC received truckload of supersacks with carbon for the RR-Yard WTP.

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the noise monitoring.

RETEC Personnel performing the River Water Quality turbidity monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

LABORATORY INSTRUCTIONS GIVEN/RECEIVED



None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 11/3/2006

Completed by: Dennis Metz

Daily Report

Date:	11/08/06 (Wednesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	U-40's to L-50's	
Weather:	Overcast and raining to partly clear and cool.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	0.02 inches @ 0850 Hrs. 0.11 inches @ 2400 Hrs.	
Summary of Field Activities		
0650- Wilder H&S mtg. - RETEC personnel inventoried the RR-car waste containers; - Wilder RR-Yard Water Treatment Plant operating as needed for storm water treatment; - Wilder equipment and operators off site – working for State DOT clearing slide on Stevens Pass road; - DB Davis crew prepping houses for next weeks move; - WCC crew finished the discharge piping for the RR-yard WTP; - Wilder RR-Yard stockpile crew – no operations today; - RETEC performed one river water quality turbidity test today.		
Upcoming Work		
- DB Davis working on house foundations. - WCC to clean out remaining tanks, carbon and sand filtration units at the Levee WTP.		
Personnel on Site:		
RETEC: Dennis Metz		
Subcontractor(s): DB Davis crews		
Visitor(s): None		
Other Site Activity		
SAFETY/ISSUES MEETINGS Safety topic: Slips-Trips-falls; lack of communication caused hand laceration on another WCC project.		
DELIVERIES/SHIPMENTS WCC demobilized the remaining carts of the Chitosan off site. WCC loaded 0 waste containers (at ~60K lbs ea. = 0 lbs).		
MEETINGS HELD None.		
MONITORING PERFORMED RETEC Personnel performing the River Water Quality turbidity monitoring once today.		
STAKEHOLDER/MEDIA ISSUES None		
ANALYSIS SUBMITTED None		
SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT WCC submitted the Daily Reports for 11/01/06 to 11/03/06.		

V . BAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS**Daily Discharge:** 0.0 gallons**Total Discharged to Date:** ??? gallons

Date: 11/9/2006

Completed by: Dennis Metz

Daily Report

Date:	11/09/06 (Thursday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	U-30's to M-40's	
Weather:	Overcast and cool, raining.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	0.23 inches @ 0945 Hrs. 0.28 inches @ 1630 Hrs.	

Summary of Field Activities

0650- Wilder H&S mtg.

- No new train - RETEC inventoried the RR-car waste containers yesterday;
- Wilder is vacuum cleaning the GAC, Sand Filter, and tanks and dismantling the Levee Water Treatment Plant;
- DB Davis crew loaded and relocated the Teacherage Shed to the Levee area today – leaving it on the trailer it was moved on and temporarily parking it on the east end of the Moore property;
- DB Davis crew working on installing the wheel carriages under the houses to be moved on Monday;
- Wilder crew dismantling the Levee decon stations;
- Wilder RR-Yard stockpile crew loading impacted material into the remaining empty RR-cars 30 waste containers;

1530- WCC crew off site for the day, except the WTP operators;

- DB Davis concrete contractor unloading forms at the levee house pad area;
- RETEC performed the river water quality turbidity testing 2X today.

Upcoming Work

- DB Davis to begin working on house foundation installations.

Personnel on Site:

RETEC: Dennis Metz

Subcontractor(s): DB Davis crew.

Visitor(s): Ron Timm/Ecology, Clint S./City of Skykomish

Other Site Activity
SAFETY/ISSUES MEETINGS

Safety topic: Pinch points around vacuum hoses and moving equipment.

DELIVERIES/SHIPMENTS

WCC loaded 30 waste containers (at ~60K lbs ea. ≈ 1,800,000 lbs). This train has been sitting here since Monday due to the track closure caused by the recent flood event. The train consists of 36 containers of which 6 containers were loaded on Monday.

MEETINGS HELD

RETEC internal Skykomish Construction update conference call.

MONITORING PERFORMED

RETEC personnel performing the noise monitoring.

RETEC personnel performed the River Water quality turbidity monitoring 2X today.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

None



S .MITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

RETEC instructed DB Davis to run the house generators and heaters only during the daylight hours.

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

Daily Discharge: 0.0 gallons

Total Discharged to Date: ??? gallons

Date: 11/9/2006

Completed by: Dennis Metz

Daily Report

Date:	11/10/06 (Friday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	U-30's to M-40's	
Weather:	Overcast and raining, cool.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	0.13 Inches @ 0804 Hrs. 1.27 Inches @ 1630 Hrs.	
Summary of Field Activities		
0650- Wilder H&S mtg. - DB Davis concrete contractor began forming foundations at Mackner and Mitchell-West house pads; - Wilder excavator re-digging the foundation for the Mitchell-East house; - Wilder crew at the Levee WTP working with the vacuum truck to finish cleaning the tanks and vessels; - DB Davis moving crew continue to install wheel dollies on the houses in preparation for the move on Monday; - Wilder RR-Yard Water Treatment Plant operating as needed for storm water treatment; - Wilder RR-Yard stockpile crew - no train; 1500- WCC crews off site, except the RR-WTP crew. - RETEC performed the river water quality turbidity testing 4X today.		
Upcoming Work		
- DB Davis working on house foundations and preparing to move on Monday.		
Personnel on Site:		
RETEC: Mike Byers, Dennis Metz		
Subcontractor(s): DB Davis crews and their concrete contractor.		
Visitor(s): PSE and Verizon (meeting at City Hall)		
Other Site Activity		
SAFETY/ISSUES MEETINGS Safety topic: Fall Protection working on the GAC tanks. Crews "excavating hints" of buried utilities		
DELIVERIES/SHIPMENTS None		
MEETINGS HELD Utility easement meeting at City Hall with City , Verizon, PSC, RETEC, and WCC.		
MONITORING PERFORMED RETEC personnel performing the stationary noise monitoring. RETEC Personnel performing the River Water Quality turbidity monitoring.		
STAKEHOLDER/MEDIA ISSUES None		
ANALYSIS SUBMITTED None		
SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT WCC submitted the Weekly WTP Summary Reports for the Weeks Ending 14-Oct-06 and 21-Oct-06		



V BAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

RETEC has received word from PSE that although a crew has been scheduled for the house moving on Monday, but the determining factor will be the weekend's weather and associated power outages. PSE suggested that "if" a crew is available on Monday that the movers take advantage of the crew and hold them, and move all of the houses on Monday. The DB Davis management and crew has been informed of this possible option and feel that they could make the move if needed.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 11/10/2006

Completed by: Dennis Metz

Daily Report

Date:	11/13/06 (Monday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	U-30's to M-40's	
Weather:	Overcast and rainy, and cool.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	1.09 inches @ 1655 Hours Storm Ttl.= 24.47-inches begin'g 11-02-06	
Summary of Field Activities		
0650- Wilder H&S mtg. - Wilder lined and inventoried the RR-car waste containers; - DB Davis crews moved all 5 of the houses back to the Levee area today; - DB Davis concrete contractor continues building foundation forms for the Mackner and Mitchell-West houses; - Verizon and Potelco (PSE) crews on site to raise and lower their respective overhead wires for the house move today; - Wilder operating the RR-yard Water Treatment Plant to treat storm water runoff; - Wilder RR-Yard stockpile crew loaded impacted material into RR-cars 36 waste containers; 1530- WCC crew off for the day. RR-Yard WTP night operators come in at 1700 Hours. - RETEC performed the river water quality turbidity testing 3X today.		
Upcoming Work		
- DB Davis working on house foundations. - WCC to continue demobilizing the Levee WTP.		
Personnel on Site:		
RETEC: Merv Coover, Dennis Metz		
Subcontractor(s): DB Davis crews, Lauren/EnviroIssues		
Visitor(s): Clint S./City of Skykomish		
Other Site Activity		
SAFETY/ISSUES MEETINGS Safety topic: General safety items review.		
DELIVERIES/SHIPMENTS WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs). WCC demobilized Levee WTP Rain-for-Rent equipment – pump and monitoring container.		
MEETINGS HELD None.		
MONITORING PERFORMED RETEC Personnel performing the River Water Quality turbidity monitoring.		
STAKEHOLDER/MEDIA ISSUES None		
ANALYSIS SUBMITTED None		
SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT RETEC submitted the River Water Quality turbidity log to the Department of Ecology.		

V .BAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

The fencing along 6th Street in front of the school was removed for the house move. The fencing will be reinstalled along the edge of pavement on 6th Street, but not along the school buses as previously erected.

Daily Discharge: ??? gallons**Total Discharged to Date:** ??? gallons

Date: 10/13/2006

Completed by: Dennis Metz

Daily Report

Date:	11/14/06 (Tuesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	U-30's to M-40's	
Weather:	Overcast and cool.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	0.14 inches @ 0838 Hrs. 0.15 inches @ 1646 Hrs.	
Summary of Field Activities		
0650- Wilder H&S mtg. - RETEC personnel inventoried the RR-car waste containers; - WCC crew lined the RR-Car containers; - WCC crews were removing the valves and piping from the Levee-WTP GAC units in preparation for demobilizing; - DB Davis crew placed the Teacherage in its position on the house pad, sitting on cribbing; - DB Davis concrete contractor continued preparations on the Mackner and Mitchell-West house foundations; - Wilder operating the RR-yard Water Treatment Plant to treat storm water runoff; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers; 1500- WCC crews off site for the day. - RETEC performed the river water quality turbidity testing 4X today.		
Upcoming Work		
- DB Davis concrete contractor working on house foundations. - DB Davis crew locating houses on pad area.		
Personnel on Site:		
RETEC: Dennis Metz		
Subcontractor(s): DB Davis crews, Davis concrete contractor crew		
Visitor(s): None		
Other Site Activity		
SAFETY/ISSUES MEETINGS		
Safety topic: Reviewed with the crew pipe installation practices.		
DELIVERIES/SHIPMENTS		
WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).		
WCC demobilized two Frac Tanks from the Levee WTP.		
WCC had Rain-for-Rent re-locate two Frac Tanks from the Levee to the RR-Yard WTP.		
MEETINGS HELD		
None.		
MONITORING PERFORMED		
RETEC personnel performing the noise monitoring.		
RETEC Personnel performing the River Water Quality turbidity monitoring.		
STAKEHOLDER/MEDIA ISSUES		
None		
ANALYSIS SUBMITTED		
None		

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted copies of the Weekly WTP Summaries for the Weeks Ending 10-28-06 and 11-04-06. (These summaries were faxed to the RETEC –Seattle office yesterday for inclusion in Monthly DMR).

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

Potelco (PSE) and Verizon were contacted today to inform them that the house moving was completed on Monday, and that their crews will not be needed on Wednesday.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 11/14/2006

Completed by: Dennis Metz

Daily Report

Date:	11/15/06 (Wednesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	U-30's to M-40's	
Weather:	Overcast and rainy, cool.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	0.23 Inches @ 0804 Hrs. 1.08 Inches @ 1617 Hrs.	
Summary of Field Activities		
0650- Wilder H&S mtg. - RETEC personnel inventoried the RR-car waste containers; - WCC placed liners into the RR-car containers; - Wilder operating the RR-yard Water Treatment Plant to treat storm water runoff; - WCC worked with a vacuum truck to remove the sediments from the stormwater collection basin in the RR-Yard; - WCC crew continued the dismantling of the Levee WTP, with only the two GAC units and one frac tank left on the site, although some of the equipment has been staged elsewhere in preparation for demobilization; - DB Davis concrete contractor pouring foundations on the Mackner and Mitchell-West house pads today; - DB Davis swung the Moore house around and placed it on its pad, although it still needs minor adjusting for final alignment; - WCC excavator placed fabric and rip-rap on the east end of the levee over to the bridge abutment; - DB Davis concrete crew began forming up the footers for the Teacherage foundation; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 18 waste containers; - RETEC performed the river water quality turbidity testing 3X today.		
Upcoming Work		
- DB Davis working on house foundations and house placement.		
Personnel on Site:		
RETEC: Mike Byers, Dennis Metz		
Subcontractor(s): DB Davis and their concrete subcontractor; Angie J./EnviroIssues		
Visitor(s): None		
Other Site Activity		
SAFETY/ISSUES MEETINGS Safety topic: Safety topic with crew input – "Unsafe Acts!"		
DELIVERIES/SHIPMENTS WCC loaded 18 waste containers (at ~60K lbs ea. ≈ 1,080,000 lbs).		
MEETINGS HELD None.		
MONITORING PERFORMED RETEC personnel performing the noise monitoring. RETEC Personnel performing the River Water Quality turbidity monitoring.		
STAKEHOLDER/MEDIA ISSUES None		

A LYSIS SUBMITTED

Water samples were collected from the RR-Yard WTP and the samples submitted to the Test America Lab in Bothell via courier service.

Storm Water sample was collected at the RR-Yard and catch basin and sent to The RETEC Seattle office to be forwarded to the testing lab.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted the Daily Report for Monday 11-06-06.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

WCC excavator removed the City's landscape rock from the Levee area, then laid geo-textile fabric and installed rip-rap at the east end of the levee up to the bridge abutment.

GENERAL REMARKS

Department of Ecology approved the discontinuation of the River Water Quality monitoring at this point in time.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 11/15/2006

Completed by: Dennis Metz

Daily Report

Date:	11/16/06 (Thursday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	M-30's to U-40's	
Weather:	Cloudy and cold to partly sunny and cool.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	0.06 Inches @ 0800 Hours	
Summary of Field Activities		
0650- Wilder H&S mtg. - RETEC personnel inspected and inventoried the RR-car waste containers; - Wilder operating the RR-yard Water Treatment Plant to treat storm water runoff; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers; - DB Davis crew moved the Mackner house along side (south) of its foundation; - DB Davis crew aligned the Moore house above its final location; - Davis Concrete contractor stripped the forms off of the two foundations poured yesterday; - Davis's concrete contractor continue forming up the foundation under the Teacherage house; - Wilder plumbing in the two additional frac tanks and repairing some system leaks; - BRH survey crew on site to install the East Property Line of the Mitchell Property and to verify the house corners locations; 1530- WCC crews off site for the day.		
Upcoming Work		
- DB Davis working on house placements and foundations.		
Personnel on Site:		
RETEC: Dennis Metz		
Subcontractor(s): DB Davis crew and their concrete contractor,		
Visitor(s): None		
Other Site Activity		
SAFETY/ISSUES MEETINGS Safety topic: Lessons learned "Safety Horror Stories"		
DELIVERIES/SHIPMENTS WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).		
MEETINGS HELD None.		
MONITORING PERFORMED RETEC personnel performing the noise monitoring.		
STAKEHOLDER/MEDIA ISSUES None		
ANALYSIS SUBMITTED None		
SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT WCC submitted the Daily Reports for 11/7, 11/8, 11/9, and 11/10/06.		

V .BAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

Mike Moore asked that the Water Service, for the School Property adjacent (south) to his property, be re-installed for future irrigation purposes. I told him that I wasn't sure that we had removed this particular water service feature, but I would look into it. So far in my conversations with the Wilder crew, no one remembers seeing a water service between Moore's house and the perimeter fence.

Mike Cabe/WCC said that he was approached by a gentleman about a power line the City uses for it holiday decorations at the small Park west of the Depot, that didn't get re-installed following the house moving. He says that the wire is still coiled and hanging on the pole at the corner. There is a coiled wire on the pole adjacent to the Stove Shop that could be the one he is talking about. The man said the power was used "4th of July" weekend, but it's not there now. The houses were actually moved off the Levee on July 11th, so this is very possible.

Daily Discharge: ??? gallons**Total Discharged to Date:** ??? gallons

Date: 11/16/2006

Completed by: Dennis Metz

Daily Report

Date:	11/17/06 (Friday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L-30's to M-40's	
Weather:	Partly cloudy to partly clear and cold.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	0.00 inches @ 0800 Hours	
Summary of Field Activities		
0650- Wilder H&S mtg. - RETEC personnel inventoried the RR-car waste containers; - Wilder operating the RR-yard Water Treatment Plant to treat storm water runoff, on an as needed bases, and for freeze protection; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 42 waste containers; - DB Davis concrete contractor forming and installing the rebar for the Teacherage foundation; - Concrete contractor crewman finishing the foundations walls poured on Tuesday; - WCC crew finished the repair on the storm sewer line at the levee (east of the oil/water separator vault) that was damaged by equipment on the levee during flood on Monday (11-06-06). 1530- WCC off site.		
Upcoming Work		
- DB Davis concrete contractor working this weekend on the Teacherage and Moore house foundations forms. - WCC excavator operator will dig the Mitchell-East foundation on Saturday.		
Personnel on Site:		
RETEC: Merv Coover, Dennis Metz		
Subcontractor(s): DB Davis concrete contractor.		
Visitor(s): Clint S./City		
Other Site Activity		
SAFETY/ISSUES MEETINGS Safety topic: Man-lift safety, buddy system, and cold weather.		
DELIVERIES/SHIPMENTS WCC loaded 42 waste containers (at ~60K lbs ea. ≈ 2,520,000 lbs).		
MEETINGS HELD RETEC and WCC meeting regarding the joint utilities trench.		
MONITORING PERFORMED RETEC personnel performing the noise monitoring.		
STAKEHOLDER/MEDIA ISSUES None		
ANALYSIS SUBMITTED None		
SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT WCC submitted the Daily Reports for 11-13-06 and 11-14-06.		

V .BAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

WCC operator will work on Saturday to load impacted materials into the RR-Car containers, and to excavate the Mitchell-East foundation for house moving contractor DB Davis.

D. Metz left a message for Jim Portus/Potelco regarding the City power line connection, to the park located west of the Depot, that wasn't re-installed following final house moving event.

Mike Moore will utilize the Security Guard's service for about an hour on Saturday to block 6th Street while he re-installs the wire from the School to the Community Center building.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 11/17/2006

Completed by: Dennis Metz

Daily Report

Date: 11/18/06 (Saturday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp: M-30's to M-40's	
Weather: Mostly clear and cold.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall: None	
Summary of Field Activities	
0700- Wilder WTP operator and RR-Yard loader operator began work. - RETEC personnel inventoried the RR-car waste containers; - Wilder operating the RR-yard Water Treatment Plant to treat storm water runoff, as needed, and for freeze protection; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers; - DB Davis Concrete contractor crew forming foundations for the Teacherage and the Moore houses. - Wilder operator excavating the foundation for the Mitchell-East house.	
Upcoming Work	
- DB Davis concrete contractor working the weekend on house foundations.	
Personnel on Site:	
RETEC: Dennis Metz	
Subcontractor(s): DB Davis concrete contractor.	
Visitor(s): None	
Other Site Activity	
ETY/ISSUES MEETINGS Safety topic: no meeting today.	
DELIVERIES/SHIPMENTS WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).	
MEETINGS HELD None.	
MONITORING PERFORMED None	
STAKEHOLDER/MEDIA ISSUES None	
ANALYSIS SUBMITTED None	
SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT None	
VERBAL INSTRUCTIONS GIVEN/RECEIVED None	
OUT OF SCOPE WORK – SCHEDULE IMPACTS	

None

GENERAL REMARKS

Mike Moore is re-installing the "Alarm System" cable between the School and the Community Center.

Local resident complained about the height of the Levee Wall being lower then the pre-existing wall. He requested the design engineer's name and address so that he could write him a letter.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 11/18/2006

Completed by: Dennis Metz



Daily Report

Date:	11/20/06 (Monday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L-40's to U-40's	
Weather:	Raining and cool.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	0.34 Inches @ 1725 Hours	
Summary of Field Activities		
0650- Wilder H&S mtg. - RETEC personnel inventoried the RR-car waste containers; - Wilder operating the RR-yard Water Treatment Plant to treat storm water runoff and freeze protection; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 18 waste containers; - DB Davis crewman and concrete crew working on finishing the Teacherage and Moore foundations, and forming up the footers for the Mitchell-East foundation. - WCC CAT 315 excavator and mini-excavator began removing the asphalt and liner from the Levee WTP pad area. 1530 – WCC crews off site.		
Upcoming Work		
- DB Davis concrete contractor working on house foundations.		
Personnel on Site:		
RETEC: Dennis Metz		
Subcontractor(s): One DB Davis person and their concrete contractor crew.		
Visitor(s): None		
Other Site Activity		
SAFETY/ISSUES MEETINGS Safety topic: General safety: Slip – Trip - Falls.		
DELIVERIES/SHIPMENTS WCC loaded 18 waste containers (at ~60K lbs ea. ≈ 1,080,000 lbs). WCC demobilized both of the sand filtration units that were staged along RR-Avenue.		
MEETINGS HELD None.		
MONITORING PERFORMED Argus technician set out the noise monitors, but RETEC personnel will retrieve the monitors and complete the log.		
STAKEHOLDER/MEDIA ISSUES None		
ANALYSIS SUBMITTED RETEC submitted the RR-Yard WTP water samples (required in the Agreed Order Exhibit J) to the Test America Lab in Bothel WA, via courier service.		
SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT WCC submitted the Daily Reports for 11-15-06, 11-16-06, and 11-17-06. WCC submitted the Pay Estimate #9 for the Period 11-01-06 to 11-15-06.		



V .BAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

Concrete Crew worked on Sunday, mainly forming up the foundation around the Moore house.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 11/20/2006

Completed by: Dennis Metz



Daily Report

Date: 11/28/06 (Tuesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp: M-Teen's to U-20's	
Weather: Mostly cloudy and cold.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall: Snow showers.	
Summary of Field Activities	
0650- Wilder H&S mtg. - RETEC personnel inventoried the RR-car waste containers; - Wilder operating the RR-yard Water Treatment Plant overnight and system piping froze; draining water and setting up heater with a tent; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers; - DB Davis concrete crew setting the forms and tying rebar for the foundation walls on the Mitchell-East house. 1530- WCC crew off site.	
Upcoming Work	
- DB Davis working on house foundations.	
Personnel on Site:	
RETEC: Dennis Metz and 3-man RETEC sampling crew	
Subcontractor(s): DB Davis and their concrete contractor crew;	
Visitor(s): None	
On Site Activity	
SAFETY/ISSUES MEETINGS Safety topic: Cold weather.	
DELIVERIES/SHIPMENTS WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).	
MEETINGS HELD None.	
MONITORING PERFORMED None	
STAKEHOLDER/MEDIA ISSUES None	
ANALYSIS SUBMITTED None	
SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT None	
VERBAL INSTRUCTIONS GIVEN/RECEIVED RETEC informed WCC not to install liners into the RR-car containers tonight.	

C OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

RETEC placed plywood lean-to over the shrubs transplanted to the Robinson residence earlier this year, to protect them from the snow falling off of the house roof.

As of Monday evening (when I arrived) all of the houses were sitting on cribbing over their respective foundations/pads.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 11/28/2006

Completed by: Dennis Metz

Daily Report

Date:	11/29/06 (Wednesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	M-teens to U-20's	
Weather:	Cloudy and very cold.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	Trace	
Summary of Field Activities		
0650- Wilder H&S mtg. - RETEC personnel inventoried the RR-car waste containers; - Wilder in not operating the RR-yard Water Treatment Plant, but have drained the system due to the cold weather and are maintaining the system to prevent freeze damage; - WCC crewman drove down and picked up a load of materials for the JUT work; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 18 waste containers; - DB Davis crew set the Mackner house on the foundation, but requires some shimming before pulling the steel beams.; - DB Davis crew lowered the Moore house near the foundation, but left it high in order to build the knee wall underneath the center of the house in the crawl space; - Davis concrete contractor continues to form the foundation walls and tie rebar under the Mitchell – East house. 1530- WCC crew off site (part of crew did not break for lunch and left ½-hour earlier).		
Upcoming Work		
- DB Davis working on house foundations and setting houses on foundations. - WCC procuring the materials to begin the JUT work.		
Personnel on Site:		
RETEC: Dennis Metz, RETEC 3-man sampling crew.		
Subcontractor(s): DB Davis crew and concrete crew.		
Visitor(s): None		
Other Site Activity		
SAFETY/ISSUES MEETINGS Safety topic: Slip – Trips – Falls; very cold weather.		
DELIVERIES/SHIPMENTS WCC loaded 18 waste containers (at ~60K lbs ea. ≈ 1,080,000 lbs).		
MEETINGS HELD None.		
MONITORING PERFORMED None		
STAKEHOLDER/MEDIA ISSUES None		
ANALYSIS SUBMITTED None		
TRANSMITTALS/TRANSMITTAL RECEIVED AND/OR SENT None		



V .BAL INSTRUCTIONS GIVEN/RECEIVED

Ordered 400 container liners from Rabanco.

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

Bruce Sheppard / BNSF picked up the digital camera and accessories.

Anita Johnson telephoned and they checked the rental house over and said that everything looked fine and that RETEC should be getting the entire damage deposit back. I will drop off the rental house keys tomorrow.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 11/29/2006

Completed by: Dennis Metz



Daily Report

Date:	11/30/06 (Thursday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L-20's to M-30's	
Weather:	Mostly cloudy and cold, rain/snow mix off/on during the day.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	6-inches snow overnight.	
Summary of Field Activities		
0650- Wilder H&S mtg. - RETEC personnel inventoried the RR-car waste containers; - Wilder drained the RR-yard Water Treatment Plant and are maintaining it to protect it from freezing; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 30 waste containers; - DB Davis crew removing steel beams from Mackner house, except for the front porch area; - DB Davis lowering the Mitchell-West house to the foundation; - Davis's concrete contractor continues forming and tying the rebar for the Mitchell-East foundation walls; 1500- WCC crew off site for the day.		
Upcoming Work		
- DB Davis concrete contractor working on Mitchell-East foundation walls, and is planning on pouring on Friday. - DB Davis planning on setting the Teacherage on its foundation on Friday. - WCC making preparations to begin the JUT.		
Personnel on Site:		
RETEC: Dennis Metz and 3-man RETEC sampling crew.		
Subcontractor(s): DB Davis and their concrete crew		
Visitor(s): None		
Other Site Activity		
SAFETY/ISSUES MEETINGS Safety topic: General safety, cold weather – slips/trips/falls.		
DELIVERIES/SHIPMENTS WCC loaded 30 waste containers (at ~60K lbs ea. ≈ 1,800,000 lbs). WCC demobilized WTP equipment – Power Prime pump, bag filter, and Whisperwatt 150 generator. WCC received delivery of additional PSE electrical conduit.		
MEETINGS HELD RETEC weekly construction update conference call.		
MONITORING PERFORMED RETEC personnel performing the noise monitoring.		
STAKEHOLDER/MEDIA ISSUES None		
ANALYSIS SUBMITTED None		

S .MITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

Turned over the house keys to the Johnson rental property to Anita Johnson this morning.

Daily Discharge: ??? gallons**Total Discharged to Date:** ??? gallons

Date: 11/30/2006

Completed by: Dennis Metz

Daily Report

Date:	12/1/06 (Friday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	M-30's to U-30's	
Weather:	Mostly cloudy and cold.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	Trace	
Summary of Field Activities		
0650- Wilder H&S mtg. - No RR-car waste containers to load today; - Wilder maintaining the RR-yard Water Treatment Plant to prevent freezing, no stormwater runoff to treat at this time; - Wilder crew cleared the snow from the JUT alignment, and cleared the road for the concrete trucks; - DB Davis crew setting the Mitchell-West house, leveling/shimming took more then expected, and removing steel beams; - Wilder RR-Yard stockpile crew had no RR-cars containers to load; - DB Davis crew dug support pads for the Moore and Mackner house porches; - DB Davis concrete contractor pouring the foundation walls on the Mitchell-East house today; - WCC checking through the water line supplies to make sure they have everything; 1500- WCC crew off site for the day/week.		
Upcoming Work		
- DB Davis will set the Teacherage house on its foundation on Saturday. - Concrete forms will be stripped off the Mitchell-East foundation on Monday.		
Personnel on Site:		
RETEC: Mike Byers, Dennis Metz		
Subcontractor(s): DB Davis crew and their concrete contractor.		
Visitor(s): None		
Other Site Activity		
SAFETY/ISSUES MEETINGS Safety topic: General safety awareness.		
DELIVERIES/SHIPMENTS WCC loaded 0 waste containers (at ~60K lbs ea. ≈ 0 lbs). WCC received the water and sewer pipe and materials for the JUT today. Correction to Thursday's Report regarding the delivery of materials – the materials delivered Thursday to WCC were for the Verizon JUT conduit and not "additional PSE" materials as stated in the report.		
MEETINGS HELD BNSF and RETEC met with City regarding the future "phases" construction schedule.		
MONITORING PERFORMED None		
STAKEHOLDER/MEDIA ISSUES None		
ANALYSIS SUBMITTED None		

S .MITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

WCC contacted BNSF Yard Master and we will not be receiving a train tonight for Saturday.
Davis is running heaters and dehumidifiers in the houses.

Daily Discharge: 0.0 gallons**Total Discharged to Date:** ??? gallons

Date: 12/1/2006

Completed by: Dennis Metz



Daily Report

Date:	12/4/06 (Monday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L-30's to L-40's	
Weather:	Mostly cloudy and cool, with light intermittent rain.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	Trace	
Summary of Field Activities		
0650- Wilder H&S mtg. - RETEC personnel inventoried the RR-car waste containers; - Wilder maintaining the RR-yard Water Treatment Plant to treat storm water runoff and prevent freezing; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers; - Wilder crew began the sewer pipe trenching and installation work – the sewer pipe on 6th Street is completed and sits in an open trench that will be backfilled tomorrow after locations have been recorded on the GPS; the 5th Street sewer pipe was not installed due its alignment being located east of the soil pillow wall; - Wilder began installing the water line on 5th Street, but are waiting for additional materials to replace some incorrectly shipped materials; and verification of the sidewalk location east of the Mitchell-East house, due to conflicting locations on the construction drawings; - DB Davis set the Teacherage house down onto its foundation on Saturday and today removed the steel beams from under the house, except for a few needed for temporary support. - DB Davis plumbing contractor began re-installing the plumbing under the Mackner house today; - Service Electric electrician finished the upgrade on the Mitchell-West house, except the ground rod and the conduit for the underground service feed; the Electrician then began the electrical upgrade on the Mackner house and removed the old breaker panel and meter box from the Moore house; - DB Davis concrete contractor began removing the forms from the Mitchell-East house foundation walls; .. JO- WCC crew off site.		
Upcoming Work		
- DB Davis working on house utilities restoration. - WCC beginning the underground utility installation. - Service Electric electrician continuing the electrical service upgrades on the houses.		
Personnel on Site:		
RETEC: Dennis Metz		
Subcontractor(s): DB Davis and concrete contractor crews, Service Electric electrician		
Visitor(s): None		
Other Site Activity		
SAFETY/ISSUES MEETINGS Safety topic: Slippery surfaces.		
DELIVERIES/SHIPMENTS WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).		
MEETINGS HELD Levee wall design meeting at the ECC offices in Everett, WA.		
MONITORING PERFORMED None		

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

The sewer line "shut off valves" for the Moore and Mackner houses was shown in the middle of the sidewalk in front of each house. These were both relocated to the inside of the sidewalk to avoid the conflict with the JUT trench utilities.

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

As noted in the Summary of Field Activities above, the 5th Street sewer line alignment lies east of the Shoring Wall's soil pillows (in the area of future excavation) and was not installed at this time.

Also noted in the summary above was the conflicting location (on the construction drawings) of the sidewalk east of the Mitchell-East house. This sidewalk determines the location of both sewer and water line service connections and needs to be resolved prior to placement of these connection boxes.

A telephone call from Teresa/Rabanco today indicated that there are waste containers available at the Everett facility and that Bruce Sheppard/BNSF will be working on getting these containers trucked up to Skykomish for loading. Mike C /WCC and I informed Teresa that the truck loading ramp had been removed and that WCC would need a couple of days notice to re-install the ramp if trucks were indeed going to be loaded. She indicated that the soonest it would happen would probably be next Monday.

Daily Discharge: 0.0 gallons**Total Discharged to Date:** ??? gallons

Date: 12/4/2006

Completed by: Dennis Metz

Daily Report

Date:	12/5/06 (Tuesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	U-20's to M-30's	
Weather:	Mostly cloudy and cold.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	Trace	

Summary of Field Activities

0650- Wilder H&S mtg.

- RETEC personnel inventoried the RR-car waste containers;
- Wilder maintaining the RR-yard Water Treatment Plant to treat storm water runoff and prevent freezing;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers;
- DB Davis crew finished leveling the Mitchell-West house;
- Service Electric crew completed the electrical service upgrades on the Mackner and Moore houses today, except the UG service and grounds;
- Davis plumbers finished the sewer and water plumbing and stub-outs for the Mackner and Mitchell-West houses;
- Concrete contractor crew on site, finished removing the forms from the Mitchell-East foundation and cleaned up the area;
- WCC crew finished installing and backfilling the City sewer line on 6th Street;
- WCC crew installing the water line, and service connection(s) beginning at the 5th Street entrance to the levee and completed the line up to the turn where it joins the JUT;
- WCC excavated the trench adjacent to the power pole on 5th Street, exposed the conduits for the power and telephone lines (through the Shoring Wall), and opened the JUT up to about the NW corner of the Mitchell-East house;

1700- WCC crew off site.

Upcoming Work

- Davis will work on the Moore house foundation.
- Davis plumbers will begin the plumbing on the Teacherage on Wednesday.
- The Electrician will be back on site on Thursday to upgrade the service on the Teacherage – waiting on parts, and the Mitchell-East house has to be set on the foundation before they can begin their service upgrade.

Personnel on Site:
RETEC: Mike Byers, Dennis Metz

Subcontractor(s): DB Davis crew, 2-man concrete contractor crew, Service Electric 2-men, Plumbing 2 men

Visitor(s): PSE Inspector

Other Site Activity
SAFETY/ISSUES MEETINGS

Safety topic: Cold weather.

DELIVERIES/SHIPMENTS

WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).

Vendor delivered six (6) septic tanks today, staging them down on the former WTP pad.

MEETINGS HELD

Weekly Construction Meeting with RETEC and WCC.

MONITORING PERFORMED

RETEC personnel performing the noise monitoring.

KEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted five Daily Reports for 11-21-06, 11-22-06, 11-24-06, 11-27-06, and 11-28-06.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

The PSE Inspector proposed the relocation of the PSE HH-1 box from the East side of the sidewalk (on W. River Road) at the Mitchell-East house, to the Mackner-Mitchell property line. This location will be more conducive for servicing the Mackner and Mitchell houses.

The PSE design requires tying the power into the Power Pole located on 6th Street, about 20-feet outside of the construction area, along the east side of the street (across from the school).

Daily Discharge: 0.0 gallons

Total Discharged to Date: ??? gallons

Date: 12/5/2006

Completed by: Dennis Metz

Daily Report

Date:	12/6/06 (Wednesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L-30's to L-40's	
Weather:	Partly to mostly cloudy and cold.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	None	

Summary of Field Activities

0650- Wilder H&S mtg.

- RETEC personnel inventoried the RR-car waste containers;
- Wilder maintaining the RR-yard Water Treatment Plant to treat storm water runoff and prevent freezing;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers;
- DB Davis crew finished shoring up the foundation on the Mitchell-West house and began working on the Moore house;
- WCC crew located the end of the existing 2-inch water main on 6th Street and excavated the water line trench and installed the 2-inch water line (no connection or lateral lines installed); they also opened up the JUT trench along the east side of 6th Street up to the Power Pole PO2 (25 feet south of the fenceline);
- WCC crew excavating the JUT along W. River Drive from the Mackner-Mitchell Property line to the Teacherage corner;
- Davis's plumbers (Haney's Plumbing) completed the work on the Teacherage except for the water line stub out (may require the foundation to be cored);
- Davis's concrete crew was cleaning up and demobilized a portion of their concrete forms;
- Davis work crew on site this afternoon to pick up around the site;

1730- WCC crew off site.

Upcoming Work

- Davis working on the Moore house foundation.
- WCC will continue the JUT and water line work.
- Septic tank installation work is scheduled to begin on Thursday.

Personnel on Site:

RETEC: Dennis Metz

Subcontractor(s): DB Davis 3-man crew, 4-man concrete contractor crew, 2-man plumbing crew, 2nd Davis 3-man crew this afternoon

Visitor(s): PSE Inspector

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Slippery surfaces and pinch points.

DELIVERIES/SHIPMENTS

WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the noise monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted the Daily Reports for 11-19-06 and 11-30-06.

WCC submitted Pay Estimate #10 for the period 11-16-06 to 11-30-06.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

WCC JUT crew had laid out the portion of the JUT trench from the NE corner of the Mitchell-East Property to the Catch Basin at the NW corner of the Mitchell Property, incorrectly. This mistake was discovered prior to the utility conduits being installed into the trench, although the 1-inch water line had already been laid. The water line was removed from the trench and the excavated area described above was backfilled and compacted. The re-aligned JUT will be excavated tomorrow.

Daily Discharge: 0.0 gallons**Total Discharged to Date:** ??? gallons

D 12/6/2006

Completed by: Dennis Metz

Daily Report

Date:	12/7/06 (Thursday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L-30's to M-40's	
Weather:	Partly cloudy and cold to partly sunny and mild.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	S None	
Summary of Field Activities		
0650- Wilder H&S mtg. - RETEC personnel inventoried the RR-car waste containers; - Wilder maintaining the RR-yard Water Treatment Plant to treat storm water runoff and prevent freezing; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 18 waste containers; - DB Davis crew continued working on shoring the Moore house foundation; - WCC crew excavated the JUT from the 5 th Street Power Pole to the Catch Basin (#9) near the Mitchell-West house, and then installed the conduits in the trench over to the PSE junction box at the Teacherage; the UG conduit from the Verizon pole still needs to be completed, as well as the Hand Hole locations on W. River Drive at the Mackner-Mitchell property line; - WCC finished installing the water lines on 5 th and 6 th Street over to the PSE junction box; also installed the JUT conduits from the PSE junction box to the 6 th Street Power Pole, except for the Hand Hole locations at the Mackner-Moore property line. - Septic system installer laid out the Mackner and Moore tank locations and excavated the two locations today; - WCC began backfilling the JUT along W. River Drive from the PSE Junction Box eastward to the Hand Hole location east of the Mackner house; 1700-WCC crew off site for the day.		
Upcoming Work		
- DB Davis finishing the work on shoring the Moore house foundation. - WCC will continue the JUT installation. - Septic system work will continue.		
Personnel on Site:		
RETEC: Dennis Metz		
Subcontractor(s): DB Davis 4-man crew, Septic installer 1- man		
Visitor(s): PSE Inspector		
Other Site Activity		
SAFETY/ISSUES MEETINGS Safety topic: Slippery surfaces and congested work areas.		
DELIVERIES/SHIPMENTS WCC loaded 18 waste containers (at ~60K lbs ea. ≈ 1,080,000 lbs). WCC received several truckloads of sand to back and cover the JUT conduits.		
MEETINGS HELD None.		
MONITORING PERFORMED RETEC personnel performing the noise monitoring.		

S...KEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

RETEC instructed WCC to contract a vendor to connect the telephone services to the houses.

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

In separate discussions with WCC and Jim Davis, it was determined that Davis's Plumber should be asked to make the water line connections from the houses to eh water service, since the plumbers are waiting for the water service to be connected in order to pressure test the house lines they installed anyway. Jim Davis is going to talk with the plumbers about this work.

RETEC replaced a missing monitoring well manhole cover at the 5th Street and Railroad Avenue intersection.

Daily Discharge: 0.0 gallons**Total Discharged to Date:** ??? gallons

Date: 12/7/2006

Completed by: Dennis Metz

Daily Report

Date:	12/8/06 (Friday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	U-30's to M-40's	
Weather:	Mostly cloudy and cold.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	None	

Summary of Field Activities

0650- Wilder H&S mtg.

- RETEC personnel inventoried the RR-car waste containers;
- Wilder maintaining the RR-yard Water Treatment Plant to treat storm water runoff and prevent freezing;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers;
- DB Davis working on the Mackner's porch and stairs – prepared for concrete on the porch supports for Saturday, and all of the plywood is off of the windows;
- DB Davis crew working on the Teacherage front porch and removed all of the plywood from the windows;
- DB Davis crew working on 'water proofing' the basement walls on the Mitchell-East foundation;
- Septic contractor excavated and set the two septic tanks at the Mitchell property, placed leveled and backfilled;
- WCC crew excavated the JUT from the Junction box at the Teacherage to the power pole at the former WTP;
- WCC crew installed the pipe sweeps for the Hand Holes on W. River Dr. east of the Mackner property and immediately west of the junction box, and on 6th Street at the Moore- Mackner property line;
- WCC crew installed the piping for the JUT conduits west of the Junction box, but were short (~50-ft) of pipe to complete the PSE conduit and had a bad roll of 2-inch HDPE and couldn't finish the water line (completed to the oil/water separator vault);
- RETEC inventoried the Large Woody Debris (results below in General Remarks) logs, determine what was lost during the flooding at the beginning of November;
- Haney's Plumbing stubbed out the water line at the Teacherage from under the footing at front SE corner of the house;

1430- WCC crew off site except for the WTP crew;

1600- WCC WTP crew off site.

Upcoming Work

- DB Davis working on house foundations.
- WCC will continue the JUT work.
- Septic system contractor to continue the septic tank and drain field installations.
- Electrical and telephone utilities to pull wire into JUT conduits first part of next week.

Personnel on Site:

RETEC: Dennis Metz

Subcontractor(s): DB Davis 5-man crew, Haney's Plumbing 2-man, Service Electric 1-man, Septic 1-man

Visitor(s): Pat/PSE Inspector, Clint S./City of Sky

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Compressed air safety, buried debris, levee hazard – rip-rap buried in snow.

DELIVERIES/SHIPMENTS

WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).

WCC demobilized the HDPE and flex hoses, loaded onto Rain-for-Rent truck.

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the noise monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

RETEC reminded WCC that they needed to get someone to connect the telephone service to the houses.

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

No Night Crew on the RR-Yard WTP this Friday and Saturday night.

Large Woody Debris log inventory (clusters numbered 1-6, from east to west, "# present of # original");

Cluster #1	3 of 7
Cluster #2	6 of 7
Cluster #3	10 of 11
Cluster #4	5 of 7
Cluster #5	5 of 7
Cluster #6	5 of 7
Total logs	34 of 46 logs, lost 12 logs.

The "original" number is what was shown in the design drawings, I'm not sure this is what was constructed. I don't have any photos available on site to confirm what was actually installed.

Daily Discharge: 0.0 gallons

Total Discharged to Date: ??? gallons

Date: 12/8/2006

Completed by: Dennis Metz

Daily Report

Date:	12/11/06 (Monday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	U-30's to M-40's	
Weather:	Raining and cool.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	0.89 inches @ 1715 Hours	
Summary of Field Activities		
Saturday (12-9-06) – WCC bedded the JUT piping with sand backfill, and moved JUT excavated (clean) soils to RR-Yard; - No Train to load on Saturday. - Davis crew working on the Mackner and Moore porch supports, and Teacherage chimney and back porch supports. - The WCC RR-Yard WTP crew did not work Saturday night. Sunday (12-10-06) – WCC backfilled the JUT to grade in the areas where the conduit work was completed; - WCC installed the 2-inch water line service and PSE conduit over to the Levee Wall area; - Septic system installer set the septic tanks at the Moore and Mackner houses; - The WCC RR-yard WTP crew works tonight. Monday (12-11-06) 0650- Wilder H&S mtg. - RETEC personnel inventoried the RR-car waste containers; - Wilder maintaining the RR-yard Water Treatment Plant to treat storm water runoff and prevent freezing; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers; - WCC working with the PSE Inspector to finish setting the Hand Hole for the Teacherage on the south side of the Junction Box, and pulling the tape into the conduits in preparation for the wire pulling. The Inspector made the telephone call for the PSE installation crew to be on site on Tuesday; - House cleaners on site to clean the Mackner, Moore and Mitchell-West houses; - DB Davis crew blocking the chimney under the Teacherage; tying down the houses to the foundations and then installing the skirting; and backfilling around the foundations and inside the Mitchell-East basement; - WCC installed the water service meter boxes at the Mackner, Moore and Teacherage houses, with the Meter Setter plumbed into each of the boxes; the Mitchell house meter location wasn't accessible due to the excavation spoils pile placed over the meter box location by the septic drain field work. - Septic system installer excavated the drain fields for the Moore and Mackner house, and completed about three-quarters of the Mitchell house drain field; 1700- WCC crew off site for the day. RR-yard WTP crew working tonight.		
Upcoming Work		
- DB Davis working on setting the Mitchell house on its foundation. - WCC will continue to get the Verizon conduits ready for Wednesday's scheduled installation. - Septic installer to finish excavating the septic drain fields and begin installation of the bedding and piping. - Dick Unger is scheduled to be on site on Tuesday morning to inspect the Water Service Meter box installations.		
Personnel on Site:		
RETEC: Dennis Metz		
Subcontractor(s): DB Davis 7-man crew; Septic Installer 1-man; 6-man house cleaning crew.		
Visitor(s): PSE Inspector, Hillary /EnviroIssues		
Other Site Activity		
SAFETY/ISSUES MEETINGS		
Safety topic: Slippery surfaces.		

DELIVERIES/SHIPMENTS

WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).

MEETINGS HELD

None.

MONITORING PERFORMED

Argus personnel downloaded the noise monitoring data and calibrated the instruments, then placed the instruments out for the day; and RETEC personnel retrieved the noise monitoring instruments at the end of the day.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

Dell Davis/DB Davis called D. Metz down to the Mitchell property drain field location to point out the geofabric (from the soil pillow wall) along the south side of the excavation. He was concerned that this may be a concern to the Inspector, who may not pass it for inspection. Dell was also concerned that this may cause clogging of the drain field at some later date, for which he would be held responsible.

Daily Discharge: 0.0 gallons

Total Discharged to Date: ??? gallons

Date: 12/11/2006

Completed by: Dennis Metz

Daily Report

Date:	12/12/06 (Tuesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L-30's to L-40's	
Weather:	Cloudy and rainy, cold.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	0.54 inches @ 0849 Hours 0.57 inches @ 1720 Hours	
Summary of Field Activities		
0650- Wilder H&S mtg. - RETEC personnel inventoried the RR-car waste containers; - Wilder maintaining the RR-yard Water Treatment Plant to treat storm water runoff and prevent freezing; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers; - D. Unger inspected and approved the water meter boxes this morning; - DB Davis crew backfilling under the Mitchell-East house this morning; - DB Davis set the Mitchell-East house down onto its foundation this afternoon; - DB Davis crew backfilling around the Moore and Mackner houses today; - WCC crew filled the water line for pressure testing – attempted to test, but found they had a bad testing unit; - WCC installing the ground boxes on the City conduits; - WCC crew finishing up the Verizon UG conduits and stick-ups, and backfilling – Verizon inspection scheduled for Wednesday morning; 1730- WCC crew finished for the day; RR-yard WTP crew on tonight.		
Upcoming Work		
- DR Davis working on house foundations and stairs. - Ice Electric will work with WCC crews to install the conduits to the houses from the PSE hand holes.		
Personnel on Site:		
RETEC: Dennis Metz		
Subcontractor(s): DB Davis 9-man crew, Septic installer 1-man		
Visitor(s): Dick Unger/Skykomish Water System Manager		
Other Site Activity		
SAFETY/ISSUES MEETINGS		
Safety topic: Contractor congestion hypo-chlorination of the water line.		
DELIVERIES/SHIPMENTS		
WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).		
MEETINGS HELD		
Tuesday's scheduled Weekly Construction Meeting postponed until Wednesday.		
MONITORING PERFORMED		
RETEC personnel performing the noise monitoring.		
STAKEHOLDER/MEDIA ISSUES		
None		
ANALYSIS SUBMITTED		
None		

S .MITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

The PSE wire wasn't installed today due to weather related outages in other areas taking priority for the work crews. They re-scheduled for Wednesday, given the same thing doesn't occur again tonight.

A consequence of the PSE postponement is missing this Wednesday's State LNI Inspection opportunity on the house electrical. This will have to be scheduled for next week Wednesday, delaying the electrical connections and power to the residences.

A telephone message was left for Vickie Brown of Securitas to extend the security guards until the end of the year.

The "Project Sign" from the house storage area was retrieved and placed in the BN house carport.

Daily Discharge: 0.0 gallons**Total Discharged to Date:** ??? gallons

Dr 12/12/2006

Completed by: Dennis Metz

Daily Report

Date:	12/13/06 (Wednesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	U-30's to M-40's	
Weather:	Mostly rainy and cool.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	0.74 inches @ 0757 Hours 1.13 Inches @ 1712 Hours	
Summary of Field Activities		
0650- Wilder H&S mtg. - Wilder ramping the RR-yard Water Treatment Plant back up to treat storm water runoff and began water treatment; - Wilder RR-Yard stockpile crew had No RR-cars to load today, train was not picked up last night; - DB Davis began removing the siding on the back porch of the Teacherage to begin the restoration work; - WCC crew worked with the Service Electric crew to locate and excavate the trenches for the electrical service to the houses and installed the under-ground (UG) conduits for the service connections, the UG conduits were installed into the trenches at all five house locations but not yet completed to the house meter boxes; these trenches will have to be left open until they have been inspected by LNI; - WCC crew worked with the Service Electric 'low voltage' electrician to locate, excavate and install the direct bury cable for the house telephone service, some areas crossing under driveways required installation of UG conduit; the wire was installed at all five house locations and backfilled; - WCC crew worked with the plumbers to locate, excavate and plumb (when possible) the water service connection between the water meter box and the house; completed the service connections to the Mackner and Teacherage houses; - Davis crew working on the shoring on the Moore house – nearly completed (1-2 hours more work required), then the steel can be removed from beneath the structure; - Davis crew removing the steel from beneath the Mitchell-East house this afternoon; - Service Electric crew worked on the upgrade of the electric service to the Mitchell-East house; - WCC crew imported structural fill material, spread and graded the material on W. River Road area and compacted; - Davis carpentry crew working on the house crawl space vents; - Davis painting crew working on repair and painting on the inside of the Teacherage house today; - Septic installer finished excavating the drain field for the Mitchell property, imported the bedding sand for the Mitchell and Mackner drain fields and prepared the Mitchell drain field bedding; 1700- WCC crew off site except for the WTP operators.		
Upcoming Work		
- DB Davis working on house restorations. - WCC to find and fix leak in the water line and complete the pressure testing. - Service Electric to continue the electrical service connections to the houses. - Plumbers to work on the Mitchell-East house.		
Personnel on Site:		
RETEC: Mike Byers, Dennis Metz		
Subcontractor(s): DB Davis 8-man crew, septic 1-man, Haney's Plumbing 2-man, Service Electric 5-man		
Visitor(s): None		
Other Site Activity		
SAFETY/ISSUES MEETINGS		
Safety topic: Slippery surfaces, high winds, and congestion.		
Near Miss: WCC WTP operator was entangled by plastic tarp covering the WTP during a high wind event and picked up and tossed over a 5-foot chain link fence. The crewman was not injured during his flight or landing.		

DELIVERIES/SHIPMENTS

WCC loaded No waste containers (at ~60K lbs ea. ≈ 0 lbs).
WCC received delivery of structural fill for the levee road area.

MEETINGS HELD

Weekly Construction Meeting with RETEC and WCC.
House restoration update meeting with DB Davis and RETEC.

MONITORING PERFORMED

RETEC personnel performing the noise monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted the Near Miss report for this morning's incident.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

See General Remarks below for the discussion regarding the Teacherage electrical service connection.

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

Service Electric, DB Davis, and RETEC met at the Teacherage late this morning to evaluate the options for installing the electrical service connection to the house. The issue was to install the service connection and not hinder the restoration work, not jeopardize the structural integrity of the house and not destroy/deface any of the historical features of the house. It was determined that the service connection could be brought in on the south wall of the back porch and the service conduit brought in under the house between the floor joists and up into the service panel. Service Electric was to order the additional materials needed to install the service connection. A junction box would have to be installed in the crawl space under the floor in order to rewire some of the circuits in the service panel.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 12/13/2006

Completed by: Dennis Metz



Daily Report

Date:	12/14/06 (Thursday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L-30's to L-40's	
Weather:	Mostly cloudy and cool, becoming rainy and cold.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	0.01 inches @ 0750 Hours 1.17 inches @ 1606 Hours	

Summary of Field Activities

0650- Wilder H&S mtg.

- RETEC personnel inventoried the RR-car waste containers;
 - Wilder operated the RR-yard Water Treatment Plant and treated storm water runoff from the RR-Yard stockpile pad and treated the discharge water in the holding tank to reduce the pH level;
 - Wilder RR-Yard stockpile crew loaded impacted material into RR-cars 36 waste containers;
 - DB Davis crew finished the shoring on the Moore house foundation today;
 - Davis carpenters installed crawl space vents and the belly band on the Mackner house today;
 - Concrete crew grinding off any metal protrusions on the house foundations and patching the foundations;
 - Painters working in the Teacherage today;
 - Service Electric crew pulled the service wire to all five houses from the PSE hand holes today, but the house conduit sweeps and wire connections were not completed;
 - Verizon installed their wire into the JUT conduits and installed the pedestal boxes;
- Septic installer has the bedding sand in all three drain fields, and began to prepare the Mitchell drain field for piping;
- Service Electric crew began the service upgrade on the Teacherage today;
 - WCC imported material, graded and compacted the levee road areas today;
 - [unclear]'s Plumbing finished the re-plumbing of the Mitchell-East house today;
 - [unclear] crew continued to try to locate the leak in the water service line;
 - WCC was backfilling the house utility service trenches today;
- 1700- WCC crews off site.

Upcoming Work

- DB Davis working on house restorations.
- WCC working on the water line pressure test.
- Electricians will continue the service upgrade on the Teacherage and service connections on the other houses.
- Davis will remove the steel from the Moore house on Friday.
- Plumber will begin plumbing the Moore house on Friday.
- Septic will continue the drain field and septic tank installations.

Personnel on Site:

RETEC: Dennis Metz

Subcontractor(s): DB Davis 8-man crew, Service Electric 6-man crew, Plumber 1-man, septic 1-man, Verizon 5- man

Visitor(s): None

Other Site Activity

SAFETY/ISSUES MEETINGS

Safety topic: Reported yesterday's Near Miss to the crew, and warned of forecasted high winds for later today.

DELIVERIES/SHIPMENTS

WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).

WCC received several loads of fill material for the levee roads.

Septic installer received a load of washed sand for the Moore drain field.

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the noise monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted Daily Reports for the dates 12-1-06, 12-04-06, 12-05-06, 12-06-06, and 12-07-06 today.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

Service Electric (WCC's electrical contractor) was required to do extra work and use additional materials to perform the Electrical Service upgrade on the Teacherage, due to the restoration work being performed on the building.

Service Electric (WCC's electrical contractor) was requested bring in their 'low voltage' electrician to perform the telephone connections to the residences.

Haney's Plumbing (DB Davis plumbing contractor) was asked to make the water service connections between the houses and their respective water meters. This was not included in their contract.

WCC treated the RR-Yard WTP discharge water to reduce the pH level prior to discharging the water.

GENERAL REMARKS

The City of Skykomish lost electrical power for approximately two and one-half hours this afternoon.

The CAT 980 Loader was returned to the site at about 1100-Hours this morning to load the stockpile soils into the RR-car waste containers.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

Date: 12/14/2006

Completed by: Dennis Metz

Daily Report

Date:	12/18/06 (Monday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	M-20's to M-30's	
Weather:	Mostly cloudy and cold.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	None	

Summary of Field Activities
Sunday Activity

- Septic system installer installed the piping between the Mitchell houses and the septic tank.
- Septic system installer installed the Moore drain field.
- Painters cleaned up the Teacherage, they've finished inside.
- WCC did not have a WTP crew on during the day on Sunday.

Monday Activities

0650- Wilder H&S mtg.

- RETEC personnel inventoried the RR-car waste containers;
- Wilder maintaining the RR-yard Water Treatment Plant to treat storm water runoff and prevent freezing;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 18 waste containers;
- WCC surveyors on site to set the three curb cut locations and elevations for the driveways;
- Davis labor crew picked up the fencing along the RR-track at the house storage area and stacked it;
- Davis crew backfilling around the Mitchell-West house;
- WCC crew thawing out the frozen water line to continue the water line pressure testing and repairs;
- Service Electric 2-man crew worked on the Teacherage installing the service connection and working on the re-wire into the junction box under the back porch;
- Service Electric 2-man crew finished the service connections on the other four house today – need to check house grounding yet;
- Davis crew finishing up some structure support under the Moore house;
- Septic system installer installed the service pipe for the Moore house;
- Septic system installer finished laying the distribution piping in the Mackner drainage field, ready to backfill with rock tomorrow;

1700- WCC crew done for the day.

Upcoming Work

- DB Davis working on house restorations.
- WCC crew to continue the water line pressure testing and repair.
- Septic system installer to continue on the Mackner drain field.
- House cleaning crew is scheduled for Tuesday to clean the Teacherage and Mitchell-East houses.

Personnel on Site:

RETEC: Dennis Metz

Subcontractor(s): Scott R./Argus; DB Davis 5-man crew, Serv Electric 4-man crew, Septic installer 1-man

Visitor(s): None

Other Site Activity
SAFETY/ISSUES MEETINGS

Safety topic:

DELIVERIES/SHIPMENTS

WCC loaded 18 waste containers (at ~60K lbs ea. ≈ 1,080,000 lbs).

WCC received the trailer with the water treatment equipment for the pH adjustment.

MEETINGS HELD

None.

MONITORING PERFORMED

Argus downloaded the noise data and calibrated the noise instruments today.
RETEC personnel performing the noise monitoring.

STAKEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

WCC submitted Daily Reports for 12-8-06, 12-11-06, 12-12-06, 12-13-06, 12-14-06, and 12-15-06.

VERBAL INSTRUCTIONS GIVEN/RECEIVED

Service Electric was asked to meet with the Septic system installer regarding installing the control boxes and wiring them with power. WCC also informed that their subcontractor, Service Electric, was asked to provide this service.

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

WCC crew lost time today thawing out the water line and the hoses they use for testing, because the last crew didn't properly drain the lines and hoses.

Daily Discharge: 0.0 gallons

Total Discharged to Date: ??? gallons

Date: 12/18/2006

Completed by: Dennis Metz

Daily Report

Date:	12/19/06 (Tuesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L/M-20's to M-30's	
Weather:	Mostly cloudy and cold.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	Trace	
Summary of Field Activities		
0650- Wilder H&S mtg. - RETEC personnel inventoried the RR-car waste containers; - Wilder installing the CO2 pH treatment hardware into the RR-yard Water Treatment Plant to treat storm water runoff; - Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers; - Davis crew cleaned out area behind the Teacherage for the septic tank excavation and installation; - WCC crew making repairs on the water line and pressure testing the line > 2-Hour Pressure Test successfully completed; - Davis crew backfilling around the Mitchell-West house; - House cleaners cleaned the Teacherage today; - Septic installer actually completed the gravel backfill of the Mackner drain field on Monday evening; - Septic installer excavated and installed the Teacherage septic tank – still needs to be plumbed; - Davis crew working on the Moore house structural supports; - Service Electric electricians completed the Teacherage rewiring work; - Service Electric electricians working on the house grounding work; - WCC crew blowing out the water lines following the water pressure test to prevent freezing of the uncovered piping; 1730- WCC crews off site, except for the Water Line crew who stayed to evacuate the line. 1820-WCC water line crew off site.		
Coming Work		
- DB Davis working on house restorations. - WCC to make the water line connections to the City water system lines. - Service Electric to install and run power to the septic control boxes on the Mackner, Moore and Mitchell houses. - Septic installer to plumb the Teacherage septic tank.		
Personnel on Site:		
RETEC: Mike Byers, Dennis Metz		
Subcontractor(s): Davis 8-man crew, Serv Elect. 4-man crew, Septic 2-person crew; house cleaners 6-man (?) crew		
Visitor(s): Hillary J./EnviroIssues		
Other Site Activity		
SAFETY/ISSUES MEETINGS Safety topic: Slippery surfaces.		
DELIVERIES/SHIPMENTS WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).		
MEETINGS HELD Weekly Construction Meeting with RETEC and WCC. Weekly Construction update/schedule meeting with RETEC, DB Davis and EnviroIssues.		
MONITORING PERFORMED RETEC personnel performing the noise monitoring.		

S...KEHOLDER/MEDIA ISSUES

None

ANALYSIS SUBMITTED

None

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

RETEC requested an estimate from Service Electric to run electric power to Mackner's garage.

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

House Service Electrical Inspection scheduled for tomorrow – Wednesday.

The Septic Systems once installed can not get final inspections until both permanent Electrical Power and Water are available for the test.

Desiree is scheduled to begin moving back (belongings only) into the Teacherage on Tuesday-December 26, 2006.

Mitchell area scheduled to begin moving (belongings only) into the Mitchell-West house on Thursday-Dec. 21, 2006.

Daily Discharge: 0.0 gallons**Total Discharged to Date:** ??? gallons

Date: 12/19/2006

Completed by: Dennis Metz

Daily Report

Date:	12/20/06 (Wednesday)	The BNSF Skykomish, Washington Levee Remediation Project Project No. BN050-19390
Temp:	L-30's to L-40's	
Weather:	Mostly cloudy and cold.	RETEC, P.O. Box 220, Skykomish, WA 98288 Site Phone: 360-677-2565 Site Fax: 360-677-2618
Rainfall:	0.00 inches @ 1634 Hours	

Summary of Field Activities

0650- Wilder H&S mtg.

- RETEC personnel inventoried the RR-car waste containers;
- Wilder operated the RR-yard Water Treatment Plant to treat storm water runoff today;
- Wilder RR-Yard stockpile crew loading impacted material into RR-cars 36 waste containers;
- Davis crew backfilling around the Mitchell-West house under the decking and in the garage storage area;
- Davis crew backfilled access ramps in front of the Mackner, Moore and Teacherage house;
- Service Electric electricians mounting and wiring the septic system control boxes on the Mackner, Moore and Mitchell houses;
- Service Electric on site during the L&I Inspection of the house electrical service connections – all of the houses passed for connection to the PSE power;
- Haney's Plumbing plumber finished the work on the Moore house;
- WCC connected the water line to the City water lines at 5th and 6th Streets, and reconnected the two houses on 5th Street;
- City Maintenance installed the new water meters on the five service connections (Moore, Mackner, Teacherage, Mitchell and the School property);
- Davis carpentry crew installed vents and belly band on the Moore house, and did some touch up work on the Teacherage and Mitchell houses;
- WCC crew setting the water meter boxes to grade and backfilling to protect the water lines from freezing;
- WCC crew off site.

Upcoming Work

- DB Davis working on the house restorations.
- WCC to start curb and gutter work.
- WCC is scheduled to demobilize the two GAC units from the levee WTP on Thursday.

Personnel on Site:

RETEC: Mike Byers, Dan Berlin, Dennis Metz

Subcontractor(s): Davis 6-man crew, Davis carpenter 3-man crew, Serv. Elect. 2-man, Haney's Plumbing 2-man

Visitor(s): L&I Inspector

Other Site Activity
SAFETY/ISSUES MEETINGS

Safety topic: Proper PPE.

DELIVERIES/SHIPMENTS

WCC loaded 36 waste containers (at ~60K lbs ea. ≈ 2,160,000 lbs).

WCC received delivery of a man lift.

MEETINGS HELD

None.

MONITORING PERFORMED

RETEC personnel performing the noise monitoring.

**STAKEHOLDER/MEDIA ISSUES**

None

ANALYSIS SUBMITTED

RETEC sampled the RR-Yard water treatment plant and discharge and submitted the samples, via courier, to the Test America lab in Bothell, WA for analysis.

SUBMITTALS/TRANSMITTAL RECEIVED AND/OR SENT

None

VERBAL INSTRUCTIONS GIVEN/RECEIVED

None

OUT OF SCOPE WORK – SCHEDULE IMPACTS

None

GENERAL REMARKS

L&I inspected and passed the five houses for electrical service connection, but stated that the houses would have to pass a Final Inspection before being powered up.

RETEC beginning to demobilize equipment and supplies from the RR-Yard construction trailer.

Daily Discharge: ??? gallons

Total Discharged to Date: ??? gallons

C 12/20/2006

Completed by: Dennis Metz

Appendix C

Construction Photographs

Appendix C – Construction Photographs

Week	Photo File Name	Date Taken	Time Taken	Description
6/9/2006	Week 06-09 01	6/8/2006	7:33 PM	Lined and graded area preparation for Water Treatment Plant on Shawver North Property, looking west
	Week 06-09 02	6/9/2006	10:53 AM	Load out of demolished former Lyderson property debris, looking west from Railroad Ave
	Week 06-09 03	6/9/2006	10:54 AM	Load out of demolished former Lyderson property debris, looking south from W. River Road
	Week 06-09 04	6/9/2006	12:09 PM	Asphalt crew creating berm, Shawver North property, looking north
	Week 06-09 05	6/9/2006	12:09 PM	Asphalt berm, Shawver North property, looking west
	Week 06-09 06	6/9/2006	5:02 PM	Former Lyderson Property, looking south
	Week 06-09 07	6/9/2006	5:03 PM	Shawver North property, paved, looking north
	Week 06-09 08	6/9/2006	5:03 PM	Shawver North property, paved, looking west
	Week 06-09 09	6/9/2006	5:03 PM	Grubbed vegetation, former Lyderson property, looking southeast
	Week 06-09 10	6/9/2006	5:05 PM	Former Lyderson Property, looking northwest
	Week 06-09 11	6/9/2006	5:05 PM	Former Lyderson Property, looking north
6/16/2006	Week 06-16 01	6/11/2006	3:53 PM	Railyard from 5th St., looking east
	Week 06-16 02	6/11/2006	3:53 PM	Railyard from 5th St., looking west
	Week 06-16 03	6/11/2006	3:53 PM	Railyard, main line from 5th St., looking east
	Week 06-16 04	6/11/2006	3:54 PM	Railyard maintenance buildings, from 5th St., looking west
	Week 06-16 05	6/11/2006	3:54 PM	Railyard along 5th St., trailers, looking east
	Week 06-16 06	6/12/2006	2:33 PM	West River Road, looking down from 5th St. Bridge, looking west
	Week 06-16 07	6/12/2006	2:34 PM	Levee and South Fork Skykomish River, from 5th St. Bridge, looking west
	Week 06-16 08	6/12/2006	2:34 PM	Levee and South Fork Skykomish River, from 5th St. Bridge, looking west
	Week 06-16 09	6/12/2006	2:35 PM	Levee and South Fork Skykomish River, from 5th St. Bridge, looking south
	Week 06-16 10	6/12/2006	2:35 PM	Levee and South Fork Skykomish River, from 5th St. Bridge, looking southwest
	Week 06-16 11	6/12/2006	3:19 PM	Layout of WTP spray painted on Shawver North property, looking west
	Week 06-16 12	6/12/2006	3:20 PM	Layout of WTP spray painted on Shawver North property, looking southwest
	Week 06-16 13	6/13/2006	3:53 PM	Former Lyderson property, old rainwater cistern, looking west
	Week 06-16 14	6/13/2006	3:54 PM	Former Lyderson property, debris and old rainwater cistern
	Week 06-16 15	6/13/2006	4:35 PM	Grading of truck exit from Railyard along Old Cascade Highway, looking north
	Week 06-16 16	6/13/2006	4:36 PM	Truck exit from Railyard along Old Cascade Highway, looking northwest
	Week 06-16 17	6/16/2006	7:37 AM	Photograph of liner on Railyard showing welding detail
	Week 06-16 18	6/16/2006	7:39 AM	Ramp on Railyard showing blocks, liner, and rail supports. Looking southeast
	Week 06-16 19	6/16/2006	7:39 AM	Liner on Railyard, showing clamps on monitoring well casing and bollards
	Week 06-16 20	6/16/2006	7:39 AM	Liner on Railyard, showing gravel, looking west
	Week 06-16 21	6/16/2006	7:41 AM	Liner on Railyard, showing seam detail
	Week 06-16 22	6/16/2006	1:50 PM	Building WTP on Shawver North Property, from former Lyderson property (now graded), looking north
	Week 06-16 23	6/16/2006	1:52 PM	Playground equipment removed from school yard, staged along railroad tracks, looking south
	Week 06-16 24	6/16/2006	1:52 PM	Playground showing previous equipment location, looking northeast
	Week 06-16 25	6/16/2006	2:48 PM	Beams for housemoving staged by Mitchell West House, looking south
	Week 06-16 26	6/16/2006	3:00 PM	Temporary fencing between School and Teacherage, looking west
	Week 06-16 27	6/16/2006	3:01 PM	Beams and wood for housemoving, staged by Teacherage, looking northwest
	Week 06-16 28	6/16/2006	3:02 PM	Playground equipment removed from school yard, staged along railroad tracks, looking south
	Week 06-16 29	6/16/2006	3:02 PM	Playground showing previous equipment location, looking northeast
	Week 06-16 30	6/16/2006	3:03 PM	Verizon conduit for School on Railroad Avenue, showing new concrete sidewalk and full length of conduit, looking northeast
	Week 06-16 31	6/16/2006	3:04 PM	5th St. bridge, from West River Road, looking north
	Week 06-16 32	6/16/2006	4:14 PM	Building WTP on Shawver North Property, from former Lyderson property, looking north
6/23/2006	Week-6-23 01	6/19/2006	1:39 PM	Clearing on the Levee, from 5th St. Bridge, looking west
	Week-6-23 02	6/22/2006	8:11 AM	Clearing the Levee, from West River Road, looking northwest
	Week-6-23 03	6/22/2006	8:11 AM	Clearing the Levee, from Levee area, near school, looking west
	Week-6-23 04	6/22/2006	1:59 PM	Clearing the Levee, from Levee area, looking northwest
	Week-6-23 05	6/22/2006	2:02 PM	Clearing the Levee, from Levee area, looking northwest
	Week-6-23 06	6/22/2006	3:35 PM	Clearing the Levee, from Levee area, looking northeast
	Week-6-23 07	6/22/2006	3:58 PM	Clearing the Levee, from Levee area, looking north
	Week-6-23 08	6/23/2006	11:17 AM	Levee cleared of vegetation, southern side of Levee from 5th St. Bridge embankment, looking west
	Week-6-23 09	6/23/2006	11:21 AM	Levee cleared of vegetation, northern side of Levee, from 5th St. Bridge embankment, looking west
	Week-6-23 10	6/23/2006	3:15 PM	Clearing the Levee, northern side of Levee, looking east towards the School
6/30/2006	Week-6-30 01	6/26/2006	9:08 AM	Levee cleared, from 5th St. Bridge, looking southwest
	Week-6-30 02	6/26/2006	9:13 AM	Mackner House, excavation for moving beams, looking east
	Week-6-30 03	6/27/2006	2:47 PM	Mackner House, raised on beams, looking southwest
	Week-6-30 04	6/27/2006	3:13 PM	Load out of Levee material, on Levee along schoolyard, looking east
	Week-6-30 05	6/28/2006	10:45 AM	Potholing Levee soil stockpile on Railyard for sampling, looking west
	Week-6-30 06	6/29/2006	2:18 PM	Moving wheels for Mackner House, from Levee area, looking southwest
	Week-6-30 07	6/30/2006	10:18 AM	Mitchell East House on beams with plywood on windows, looking southeast

Appendix C – Construction Photographs

Week	Photo File Name	Date Taken	Time Taken	Description
7/7/2006	Week 07-07 01	7/3/2006	7:20 AM	Teacherage boarded up, from W. River Road, looking southeast
	Week 07-07 02	7/3/2006	7:27 AM	Levee excavated to road surface, Mackner House ready to move, from 5th St. Bridge, looking southwest
	Week 07-07 03	7/3/2006	12:59 PM	Prepping Teacherage for move, from corner of 6th St and W. River Road, looking southwest
	Week 07-07 04	7/5/2006	9:08 AM	Grubbing on the north side of the Levee after material has been removed down to road elevation, from Levee area, looking east
	Week 07-07 05	7/5/2006	5:15 PM	Placing diversion structure (blocks) in the South Fork Skykomish River, from Levee, looking north
	Week 07-07 06	7/5/2006	5:20 PM	Placing diversion structure (blocks) in the South Fork Skykomish River, from 5th St. Bridge, looking southwest
	Week 07-07 07	7/6/2006	11:35 AM	Wave Trek emergency response drill, boom deployment at 1st boom line location, from north bank of the river looking south
	Week 07-07 08	7/6/2006	11:53 AM	Wave Trek emergency response drill, boom deployment at 1st boom line location, from north bank of the river looking southwest
	Week 07-07 09	7/6/2006	2:11 PM	Silt curtain lying on bank, Mitchell and Mackner Houses up on blocks, loading soil into side dump trucks, from 5th St. Bridge, looking southwest
	Week 07-07 10	7/6/2006	3:37 PM	Mitchell West House up on blocks, from W. River Road, looking southeast
	Week 07-07 11	7/7/2006	12:29 PM	Mitchell East House on wheels, loader filled with material for coffer dam bags, hopper with material for coffer dam bags feeding telebelt, from 5th St. Bridge embankment, looking south west
	Week 07-07 12	7/7/2006	12:37 PM	Mitchell East House moving to staging area on 6th St., loader and hopper with fill material for coffer dam bags, from 5th St. Bridge embankment, looking southwest
7/14/2006	Week-7-14 01	7/11/2006	10:21 AM	Mackner House turning onto Railroad Ave from 6th St., from across the road from the Town Maintenance building, looking west
	Week-7-14 02	7/11/2006	10:24 AM	Mitchell West House turning onto Railroad Ave from 6th St., from across the road from the Town Maintenance building, looking west
	Week-7-14 03	7/11/2006	11:03 AM	Mitchell East House on Railroad Ave, just east of Depot, from house storage area, looking northwest
	Week-7-14 04	7/11/2006	5:15 PM	Coffer dam installation showing telebelt, silt curtain, liner, booms, and excavator, from 5th St. Bridge, looking southwest
	Week-7-14 05	7/11/2006	5:45 PM	Mitchell East House in temporary storage area along railroad tracks, from Railroad Ave., looking southeast
	Week-7-14 06	7/11/2006	5:45 PM	Mitchell West House in temporary storage area along railroad tracks, from Railroad Ave., looking south
	Week-7-14 07	7/11/2006	5:45 PM	Mackner House in temporary storage area along railroad tracks, from Railroad Ave., looking southeast
	Week-7-14 08	7/11/2006	6:22 PM	Coffer dam from Levee area near 5th St. Bridge, looking north
	Week-7-14 09	7/12/2006	11:58 AM	Coffer dam installation showing telebelt, hopper, liner, and completed section, from 5th St. Bridge, looking northwest
	Week-7-14 10	7/12/2006	12:09 PM	Coffer dam installation showing telebelt, excavator, primary and secondary coffer dam, from 5th St. bridge looking west
	Week-7-14 11	7/14/2006	11:08 AM	Coffer dam installation showing telebelt, silt curtain, liner, booms, and excavator, from 5th St. Bridge, looking southwest
7/21/2006	Week 07-21 01	7/15/2006	5:32 PM	Moore House with material excavated for beam placement, from 6th St., looking northeast
	Week 07-21 02	7/15/2006	5:37 PM	Coffer dam installation, showing excavator, telebelt, completed section of coffer dam, from Levee area near 6th St., looking northeast
	Week 07-21 03	7/15/2006	6:29 PM	Coffer dam showing liner, diversion structure, booms, primary and secondary coffer dam, from 5th St. Bridge, looking west
	Week 07-21 04	7/15/2006	6:29 PM	Coffer dam showing liner, silt curtain, booms, and equipment parked along Levee, from 5th St. Bridge, looking southwest
	Week 07-21 05	7/17/2006	4:31 PM	Coffer dam, crew pulling up liner on primary dam, from 5th St. embankment, looking northwest
	Week 07-21 06	7/18/2006	11:38 AM	Blue Aqua Barrier, relaying FIBCs for coffer dam, telebelt, hopper, and excavator visible, from 5th St. Bridge embankment looking northwest
	Week 07-21 07	7/18/2006	3:09 PM	Seining the first cell for fish, from 5th St. Bridge embankment looking northwest
	Week 07-21 08	7/19/2006	2:53 PM	Placing piping on the blue Aqua Barrier, showing white Aqua Barrier, crew installing coffer dam, from Levee area, looking north
	Week 07-21 09	7/19/2006	3:35 PM	Coffer dam, showing primary and secondary dams with liner, blue and white Aqua Barriers, telebelt, from 5th St. Bridge, looking west
	Week 07-21 10	7/21/2006	11:44 AM	Excavating river material, showing blue Aqua Barrier, excavator with bucket full of cobbles, liner wrapped around coffer dam, from Levee area, looking east
	Week 07-21 11	7/21/2006	11:55 AM	Piping for water removal from Cell 1 along blue Aqua Barrier, from Levee area, looking northeast
7/28/2006	Week 07-28 01	7/22/2006	2:15 PM	River excavation, orange candles show limit of excavation to the north, telebelt operation for coffer dam installation in distance, from 5th St. Bridge, looking west
	Week 07-28 02	7/24/2006	11:03 AM	Oil accumulating near eastern end of Cell 1, showing booms and coffer dam with liner, from Levee area, looking north
	Week 07-28 03	7/24/2006	5:34 PM	Stockpiling of excavated sediment along W. River Road, showing excavators and stockpile, from Levee area, looking east
	Week 07-28 04	7/24/2006	6:35 PM	Fish caught during seining, along Levee area
	Week 07-28 05	7/25/2006	9:48 AM	Moore House and Teacherage staging for move down 6th St., from Railroad Ave., looking north
	Week 07-28 06	7/25/2006	10:24 AM	Teacherage turning corner from 6th St. to Railroad Ave., from in front of Town Maintenance Building, looking west
	Week 07-28 07	7/25/2006	5:54 PM	River excavation in Cell 1, showing coffer dam, residential area has been cleared and grubbed, from 5th St Bridge, looking west
	Week 07-28 08	7/27/2006	4:48 PM	Coffer dam installation along western edge of coffer dam, from Shawver North Property, looking northeast
	Week 07-28 09	7/28/2006	4:29 PM	Fish caught during seining, along Levee area

Appendix C – Construction Photographs

Week	Photo File Name	Date Taken	Time Taken	Description
8/4/2006	Week 08-04 01	7/29/2006	1:54 PM	Installation of yellow turbidity containment boom in Cell 2, from Levee area, looking northeast
	Week 08-04 02	7/29/2006	2:10 PM	Installation of yellow containment boom in Cell 2, from Levee area, looking east
	Week 08-04 03	8/1/2006	8:27 AM	Oiled harlequin duck swimming in water
	Week 08-04 04	8/1/2006	8:33 AM	Transfer of water intake from Cell 1 to Cell 2, from Levee area, looking north
	Week 08-04 05	8/1/2006	11:14 AM	Cell 2 excavation, showing accumulated oil in Cell 1, equipment working in Cell 2, from 5th St. Bridge, looking southwest
	Week 08-04 06	8/4/2006	8:58 AM	Excavation area showing yellow boom in cell 1, from 5th St. Bridge, looking southwest
	Week 08-04 07	8/4/2006	9:40 AM	Cell 2, from Levee area, looking northwest
	Week 08-04 08	8/4/2006	1:09 PM	Cell 1 showing cell markings and yellow boom, from Levee area, looking north
8/12/2006	Week 08-12 01	8/5/2006	10:49 AM	Cell 1 showing yellow boom and slope from road, from Aqua Barrier/Levee area, looking east
	Week 08-12 02	8/5/2006	4:27 PM	Pulling liner over single inner row of FIBCs after removal of some FIBCs, from 5th St. Bridge, looking west
	Week 08-12 03	8/5/2006	4:31 PM	Oil recovery, bagged pads and booms for disposal on shoreline, from 5th St. Bridge, looking west and down
	Week 08-12 04	8/5/2006	4:39 PM	Oil recovery in Cell 2, drum and rope mop skimmer in operation, near blue Aqua Barrier, from W. River Road, looking north
	Week 08-12 05	8/5/2006	4:40 PM	Rope skimmer in Cell 2, load out of excavated materials into side dump trucks, from blue Aqua Barrier, looking southwest towards the School
	Week 08-12 06	8/7/2006	4:07 PM	Oil accumulated at east end of Cell 2, rope mop skimmer and drum skimmer visible, from blue Aqua Barrier, looking southwest towards the School
	Week 08-12 07	8/8/2006	1:30 PM	Sludges from WTP tanks placed to drain along schoolyard, no visible sheen present, from W. River Road, looking south
	Week 08-12 08	8/9/2006	8:48 AM	Excavation of Cell 2, oil recovery operations in Cell 2, grading in Cell 1, from 5th St. Bridge, looking west
	Week 08-12 09	8/11/2006	8:40 AM	Excavator on ramp going down to Cell 1, orange boom and accumulated oil in Cell 2 visible, from Levee area, looking northeast
	Week 08-12 10	8/11/2006	10:50 AM	Crew in boat recovering oil covered debris, backfilling of Cell 1, Mylar bird deterrents visible, from 5th St. Bridge, looking west
	Week 08-12 11	8/12/2006	12:06 PM	Oil recovery operations in Cell 2, 2 rope mop skimmers, absorbent pads, yellow boom, from coffer dam, looking southeast
	Week 08-12 12	8/11/2006	5:38 PM	Backfilling of Cell 1, excavation in Cell 2, owl decoy visible, from 5th St Bridge, looking southwest
8/19/2006	Week 08-19 01	8/16/2006	9:33 AM	Backfilling of Cell 1, stockpile of fill south of W. River Road, absorbent pads and yellow boom visible, from 5th St. Bridge looking southwest
	Week 08-19 02	8/16/2006	11:22 AM	Loading side dump truck with excavated soil and sediment, along W. River Road, from Levee area, looking southeast
	Week 08-19 03	8/16/2006	5:25 PM	Pulling FIBCs for backfill, equipment on temporary road in Cell 2, from Cell 3 bank, looking east
	Week 08-19 04	8/17/2006	2:15 PM	Backfill operations in Cells 1 and 2, excavation in Cell 3, from 5th St. Bridge, looking west
	Week 08-19 05	8/17/2006	2:15 PM	Backfill operations in Cells 1 and 2, backfill stockpile visible south of W. River Road, from 5th St. Bridge, looking southwest
	Week 08-19 06	8/18/2006	11:43 AM	Mylar bird deterrents along Cell 3, from Shawver North Property looking northeast
	Week 08-19 07	8/16/2006	9:31 AM	Backfill in Cell 1 (riprap placed in one section), backfill stockpile, from 5th St. Bridge, looking southwest
	Week 08-19 08	8/16/2006	9:31 AM	Backfill in Cell 1 (riprap placed in one section), backfill stockpile, from 5th St. Bridge, looking west
	Week 08-19 09	8/17/2006	2:15 PM	Backfill in Cell 1, showing north side of coffer dam, from 5th St. Bridge, looking west
8/26/2006	Week 08-26 01	8/21/2006	10:02 AM	Additional excavation by 5th St. Bridge embankment, pom-pom booms, liner, and absorbent pads visible, from 5th St. Bridge, looking south
	Week 08-26 02	8/22/2006	10:16 AM	Backfilling operations in Cell 2, from W. River Road, looking northeast
	Week 08-26 03	8/22/2006	10:16 AM	Backfilling operations with bulldozer, from W. River Road, looking northwest
	Week 08-26 04	8/22/2006	11:52 AM	Pom-pom booms and absorbent pads along 5th St. Bridge embankment, showing coffer dam, from under bridge looking north
	Week 08-26 05	8/22/2006	5:51 PM	Coffer dam inspection and grading of backfill, from coffer dam near Shawver North Property, looking northeast
	Week 08-26 06	8/22/2006	5:51 PM	Grading operations, River cells, from coffer dam near Shawver North Property, looking east
	Week 08-26 07	8/22/2006	5:51 PM	Oil recovery and equipment parked west of 6th St., water intake visible, from coffer dam near Shawver North Property, looking southeast
	Week 08-26 08	8/23/2006	5:51 PM	Excavation of upland cells, Gunder boom, from coffer dam near Shawver North Property, looking south east
	Week 08-26 09	8/24/2006	1:51 PM	Oil recovery in southwest corner of Cell 3, rope mop skimmers, absorbent pads, yellow boom, from Shawver North Property, looking east
	Week 08-26 10	8/24/2006	7:29 PM	Riprap placed in Cell 1 showing diversion structure, coffer dam, liner along slope by bridge embankment, from 5th St. Bridge, looking south
	Week 08-26 11	8/24/2006	7:29 PM	Cell 1 showing stockpiles of large woody debris, riprap, and backfill material, from 5th St. Bridge, looking southwest
	Week 08-26 12	8/25/2006	7:29 AM	Grading of Cell 2 with bull dozer, from 5th St. Bridge, looking southwest
	Week 08-26 13	8/25/2006	8:58 AM	Excavation near Shawver Property, from W. River Road, looking northeast
	Week 08-26 14		8:58 AM	Excavation with oil on top of water

Appendix C – Construction Photographs

Week	Photo File Name	Date Taken	Time Taken	Description
9/1/2006	Week 09-01 01	8/26/2006	9:18 AM	Grading of Cells 1 and 2, NRC collecting pads and bagging them for disposal, from W. River Road, looking northwest
	Week 09-01 02	8/26/2006	1:33 PM	Oil control in Cell 4 (Uplands of Cell 3), rope mop skimmers, from School yard, looking north
	Week 09-01 03	8/28/2006	8:58 AM	Preparing to place large woody debris in Cell 1, from 5th St. Bridge, looking south
	Week 09-01 04	8/28/2006	1:56 PM	Rope mop skimmer in use
	Week 09-01 05	8/28/2006	6:16 PM	Excavation and oil recovery along school yard, from Shawver North Property, looking east
	Week 09-01 06	8/29/2006	10:32 AM	Large woody debris in place in Cell 1, backfilling of Cell 2, from 5th St. Bridge, looking west
	Week 09-01 07	8/31/2006	2:11 PM	Excavation along school yard, gravel backfill in foreground, from Shawver North Property, looking east
	Week 09-01 08	8/31/2006	5:00 PM	Habitat bench at toe of Levee, scattered boulders in river bed, large woody debris in place in Cells 2 and 3
	Week 09-01 09	8/31/2006	2:11 PM	Backfill in Cell 3 uplands, oil control equipment visible, from Shawver North property, looking northeast
9/8/2006	Week 09-08 01	9/5/2006	6:27 PM	Oil contained in boom and turbidity outside of coffer dam, from western end of coffer dam, looking northwest
	Week 09-08 02	9/5/2006	7:09 PM	Turbidity sampling at Boom 1 line, from north bank of South Fork Skykomish River, looking southwest
	Week 09-08 03	9/7/2006	10:54 AM	Levee riprap, habitat bench, and large woody debris in Cell 3, from bank near Shawver North Property, looking east
	Week 09-08 04	9/7/2006	11:17 AM	Backfill and oil recovery operations, from School yard, looking north
	Week 09-08 05	9/7/2006	11:18 AM	NRC working from land and from boat, from W. River Road area, looking north
	Week 09-08 06	9/7/2006	11:31 AM	Levee in Cell 1 from W. River Road, looking northwest
	Week 09-08 07	9/7/2006	11:48 AM	Excavation area showing rip-rap and large woody debris in River Cells, excavation and oil recovery in Upland Cells, from 5th St. Bridge, looking southwest
	Week 09-08 08	9/7/2006	3:00 PM	Oil staining visible on riprap. These boulders were picked out of the Levee for disposal off-site
	Week 09-08 09	9/8/2006	10:30 AM	Turbidity west of the coffer dam, from Shawver North property, looking north
	Week 09-08 10	9/8/2006	2:56 PM	Installed oil water separator, from W. River Road area, looking northeast
	Week 09-08 11	9/8/2006	6:39 PM	Sand placed as turbidity control measure on south side of coffer dam, from coffer dam, looking southeast
	Week 09-08 12	9/7/2006	11:49 AM	Excavation area showing rip-rap and large woody debris in River Cells, excavation and oil recovery in Upland Cells, from 5th St. Bridge, looking southwest
	Week 09-08 13	9/8/2006	4:48 PM	Backfilling activities near Shawver North Property, excavation near the School, from Shawver North Property, looking east
9/15/2006	Week 09-15 01	9/9/2006	12:04 PM	Backfill and oil recovery operations, from unexcavated upland area near 6th St, looking west
	Week 09-15 02	9/11/2006	8:15 AM	Removal of FIBC bags in coffer dam, from backfilled Levee area near Shawver North Property, looking north
	Week 09-15 03	9/12/2006	7:51 AM	Backfilled Levee with large woody debris and riprap, oil recovery operations and water treatment plant on Shawver North Property, from Levee area or zoomed view from 5th St. Bridge, looking southwest
	Week 09-15 04	9/12/2006	7:53 AM	Drained coffer dam area, large woody debris and rip rap in place in Levee, oil recovery and backfill operations, from 5th St. Bridge, looking southwest
	Week 09-15 05	9/12/2006	10:15 AM	Turbid water along shoreline, coffer dam removal operations in background, from water quality sampling access point, looking east
	Week 09-15 06	9/12/2006	10:18 AM	Gravel and sand placed for turbidity with absorbent booms in foreground, riprap, large woody debris, and storm sewer discharge visible, from just north of Shawver North Property, looking east
	Week 09-15 07	9/12/2006	10:22 AM	Coffer dam removal operations showing sand placed against bags and liner prior to removal, from river bed, looking east
	Week 09-15 08	9/13/2006	7:25 AM	Active excavation cell near 6th St., absorbent pads and yellow boom deployed for oil containment and recovery, from W. River Road area, looking northeast
	Week 09-15 09	9/13/2006	3:35 PM	Uplands excavation showing the top of the former barrier wall in W. River Road, from uplands, looking north
	Week 09-15 10	9/13/2006	4:18 PM	Removal of diversion structure, from 5th St. Bridge, looking northwest
	Week 09-15 11	9/12/2006	7:50 AM	Backfilled river cells (1-3), removal of coffer dam, oil containment and recovery operations, from 5th St. Bridge looking west
9/22/2006	Week 09-22 01	9/16/2006	10:25 AM	Backfill of Levee, FIBCs to raise elevation of levee during backfill operations, from 5th St. Bridge looking northwest
	Week 09-22 02	9/18/2006	4:09 PM	Oil vacuum truck removing oil, FIBCs placed to raise height of Levee, uplands excavation, water stream for oil containment and recovery visible, from 5th St Bridge looking southwest
	Week 09-22 03	9/18/2006	4:35 PM	Uplands excavation with oil containment and recovery operations in foreground, from Levee area, looking southeast
	Week 09-22 04	9/18/2006	5:00 PM	Backfill and compaction operations, oil recovery and containment in foreground, uplands excavation in background, from Shawver North Property looking east
	Week 09-22 05	9/19/2006	11:24 AM	Excavator bucket showing cobbles and finer material
	Week 09-22 06	9/19/2006	11:49 AM	Excavator bucket showing impacted material on top, and un-impacted clay material on bottom
	Week 09-22 07	9/20/2006	6:00 PM	Riprap placement with compaction and oil containment and recovery operations, from 5th St. Bridge, looking west
	Week 09-22 08	9/22/2006	12:06 PM	Levee face, habitat benches, and large woody debris wads with booms placed at Ecology's direction, from 5th St. Bridge, looking west
	Week 09-22 09	9/22/2006	12:08 PM	Uplands excavation, oil vacuum truck recovering oil from skimmers, compaction activities on Levee, from 5th St. Bridge, looking southwest
	Week 09-22 10	9/22/2006	3:23 PM	Unexcavated material and Levee backfill, from near 5th St. Bridge, looking west
	Week 09-22 11	9/22/2006	3:23 PM	Oil recovery and containment and backfilled road off of 5th St., liner on south limit of excavation visible, from Levee area, looking south
	Week 09-22 12	9/18/2006	4:08 PM	Levee with FIBCs, large woody debris, habitat benches, backfill and compaction activities in background, from 5th St. Bridge, looking west

Appendix C – Construction Photographs

Week	Photo File Name	Date Taken	Time Taken	Description
9/29/2006	Week 09-29 01	9/23/2006	11:39 AM	Fish in South Fork Skykomish River
	Week 09-29 02	9/23/2006	1:46 PM	Uplands excavation from near the School, looking east
	Week 09-29 03	9/25/2006	1:40 PM	Backfilling operations along 5th St., from Levee area, looking southeast
	Week 09-29 04	9/25/2006	1:40 PM	Oil containment in uplands excavation area, from Levee area, looking south
	Week 09-29 05	9/25/2006	5:14 PM	Backfilling and grading operations, from uplands excavation, looking northeast
	Week 09-29 06	9/25/2006	6:17 PM	Riprap placement on the Levee, backfilling and grading operations in uplands area, from 5th St. Bridge, looking southwest
	Week 09-29 07	9/27/2006	6:31 PM	Backfilling operations, from near School, looking east
	Week 09-29 08	9/28/2006	2:48 PM	Turbidity sampling, from south bank of South Fork Skykomish River, looking north
	Week 09-29 09	9/29/2006	1:47 PM	Stockpile management on railyard, looking southeast
	Week 09-29 10	9/29/2006	3:00 PM	View of Levee, from near Shawver North Property, looking east
	Week 09-29 11	9/22/2006	12:08 PM	Backfill and compaction on Levee, showing placed riprap, large woody debris, and roller, from 5th St. Bridge, looking southwest
	Week 09-29 12	9/27/2006	8:13 AM	Levee face, habitat benches, and large woody debris wads with booms placed at Ecology's direction, from 5th St. Bridge embankment, looking west
10/6/2006	Week 10-06 01	10/2/2006	10:28 AM	Uplands excavation near school showing oil containment, from Levee area, looking southwest
	Week 10-06 02	10/2/2006	10:29 AM	Oil recovery and backfill protection along School yard, from near school, looking west at water treatment plant
	Week 10-06 03	10/2/2006	10:32 AM	Railroad Avenue along school, looking west
	Week 10-06 04	10/2/2006	11:50 AM	Backfilling and grading operations, final uplands excavation in mid-ground, trench for wall in foreground, from 5th St. Bridge embankment, looking west
	Week 10-06 05	10/2/2006	5:56 PM	Oil containment and recovery along School yard, oil/water separator in foreground, from near Shawver North Property, looking east
	Week 10-06 06	10/3/2006	10:08 AM	Riprap placed beneath bridge embankment, from Levee, looking east
	Week 10-06 07	10/3/2006	10:42 AM	Placement of wall in trench along 5th St., trench box, from 5th St. looking north
	Week 10-06 08	10/3/2006	3:42 PM	LNAPL barrier wall along 5th street with liner on eastern slope, from Levee, looking south
	Week 10-06 09	10/4/2006	10:33 AM	LNAPL wall installation along southern edge of excavation, from 5th St. area, looking southwest
	Week 10-06 10	10/4/2006	5:28 PM	LNAPL barrier wall along southern edge of excavation, from 5th St. Bridge embankment, looking west
	Week 10-06 11	10/5/2006	11:01 AM	LNAPL barrier wall along southern edge of excavation, near 6th St., from 6th St. looking east
	Week 10-06 12	10/5/2006	11:06 AM	Compaction of uplands, from 5th St. Bridge embankment, looking west
	Week 10-06 13	10/5/2006	2:54 PM	Grading along LNAPL barrier wall along southern edge of excavation, from Levee area, looking southeast
	Week 10-06 14	10/5/2006	2:55 PM	LNAPL wall view from Levee at 6th St., looking south
	Week 10-06 15	10/6/2006	12:21 PM	Storm sewer pipe placement, LNAPL barrier wall installation and compaction operations in background, from 5th St. Bridge embankment, looking southwest
	Week 10-06 16	10/6/2006	12:23 PM	LNAPL Barrier Wall along southern edge of excavation, east of 6th St., from 6th St., looking east
	Week 10-06 17	10/6/2006	5:33 PM	Uplands and Levee, backfilled and compacted, from 6th St., looking northeast
	Week 10-06 18	10/6/2006	5:38 PM	Levee from 5th St. Bridge, looking southwest
10/13/2006	Week 10-13 01	10/9/2006	8:25 AM	South Fork Skykomish River, from toe of Levee, looking northwest
	Week 10-13 02	10/9/2006	5:40 PM	Levee with storm sewer piping stored, from Levee, looking near 6th St., looking east
	Week 10-13 03	10/10/2006	3:56 PM	Excavating trench box for LNAPL barrier wall along School, from near 6th St., looking southwest
	Week 10-13 04	10/10/2006	3:57 PM	Dust control, compaction, and grading activities in uplands area, from 6th St. area, looking east
	Week 10-13 05	10/11/2006	5:46 PM	Oil containment and recovery along School yard, from 6th St. area, looking west
	Week 10-13 06	10/12/2006	11:24 AM	Water truck in uplands area for dust control, compaction and grading activities, from Levee near 6th St., looking east
	Week 10-13 07	10/12/2006	2:27 PM	LNAPL barrier wall placement along school, trench boxes, control density fill, from 6th St., looking west
	Week 10-13 08	10/12/2006	5:09 PM	Backfilled, graded, and compacted uplands area, from 6th St., looking east
	Week 10-13 09	10/12/2006	6:02 PM	Grading and CDF placement along School, from 6th St., looking northwest
	Week 10-13 10	10/13/2006	11:52 AM	Excavation for foundations, from 6th St., looking northeast
10/20/2006	Weel 10-20 01	10/16/2006	10:58 AM	LNAPL Barrier Wall along southern extent of excavation at 6th St., from W. River Road area, looking south
	Weel 10-20 02	10/16/2006	4:20 PM	Control density fill along School, from Teacherage area, looking southeast
	Weel 10-20 03	10/17/2006	8:44 AM	Oil containment and recovery operations, along school yard, from near Shawver's property, looking east
	Weel 10-20 04	10/17/2006	5:03 PM	LNAPL barrier wall in place, partially backfilled and graded, from east of 6th St. looking west
	Weel 10-20 05	10/17/2006	5:04 PM	LNAPL barrier wall in place, partially backfilled and graded, from east of 6th St. looking east
	Weel 10-20 06	10/17/2006	5:05 PM	Trenchbox, oil containment efforts, along school yard, from Teacherage area, looking west
	Weel 10-20 07	10/17/2006	5:07 PM	Stormsewer outfall, sidebank discharge of turbid water, from Levee, looking northwest
	Weel 10-20 08	10/18/2006	4:59 PM	Southern extent of excavation, Shawver's property, looking south
	Weel 10-20 09	10/19/2006	8:21 AM	Trench box, equipment, from near School, looking east
	Weel 10-20 10	10/19/2006	8:23 AM	Oil and containment along southern edge of excavation, looking at School yard and Shawver's Property
	Weel 10-20 11	10/20/2006	4:29 PM	Partially backfilled and graded along school yard, from near Shawver's property, looking east

Appendix C – Construction Photographs

Week	Photo File Name	Date Taken	Time Taken	Description
10/27/2006	Week 10-27 01	10/23/2006	3:14 PM	Uplands area backfilled, preparation for foundations, from 5th St. Bridge embankment, looking west
	Week 10-27 02	10/23/2006	3:19 PM	Levee, from 5th St. Bridge, looking southwest
	Week 10-27 03	10/23/2006	3:20 PM	Southfork Skykomish River, showing river bed, from Levee, looking northwest
	Week 10-27 04	10/23/2006	5:40 PM	Backfilled and graded area along Shawver Property and School yard, from near Shawver North Property, looking east
	Week 10-27 05	10/24/2006	3:16 PM	Placing storm sewer pipes, looking north
	Week 10-27 06	10/24/2006	3:23 PM	Compaction of backfill, from near School, looking west
	Week 10-27 07	10/25/2006	9:01 AM	Habitat bench at toe of Levee, scattered boulders in river bed, large woody debris, from 5th St. Bridge Embankment, looking west
	Week 10-27 08	10/25/2006	1:20 PM	Storm sewer pipe placement in 6th St., from excavated area, looking south
	Week 10-27 09	10/26/2006	10:47 AM	Storm sewer pipe installation, looking east
	Week 10-27 10	10/27/2006	5:17 PM	Baker tanks from dismantled water treatment facility staged on backfilled area, from near School, looking west
11/10/2006	Week 11-10 01	11/6/2006	12:19 PM	Sand bag placement along Shawver North Property and Water Treatment Plant, from Shawver North Property, looking east
	Week 11-10 02	11/6/2006	12:39 PM	Heavy rain and water accumulation in uplands area, from Levee, looking west
	Week 11-10 03	11/6/2006	12:39 PM	Heavy rain and water accumulation in uplands area, from Levee, looking southeast
	Week 11-10 04	11/6/2006	12:39 PM	Levee and 5th St. Bridge showing river stage, from levee, looking east
	Week 11-10 05	11/6/2006	12:48 AM	Elevated river stage along levee, from 5th St. Bridge, looking southwest
	Week 11-10 06	11/6/2006	2:35 PM	Elevated river stage beneath 5th St. Bridge, from levee, looking northeast
	Week 11-10 07	11/7/2006	8:54 AM	Water accumulating in foundation excavations, from Levee, looking southeast
	Week 11-10 08	11/7/2006	8:54 AM	Levee and 5th St. Bridge showing river stage, from levee, looking east
	Week 11-10 09	11/7/2006	10:58 AM	Flooding on Old Cascade Highway
	Week 11-10 10	11/9/2006	8:12 AM	Elevated river stage along levee, from 5th St. Bridge, looking southwest
	Week 11-10 11	11/10/2006	11:35 AM	Frames for foundations, from 6th St. area, looking southeast
	Week 11-10 12	11/7/2006	4:13 PM	Levee and river stage, from 5th St. Bridge, looking west
	Week 11-10 13	11/7/2006	4:17 PM	West end of Levee and river stage, from 5th St. Bridge, looking west
11/17/2006	Week 11-17 01	11/13/2006	12:52 PM	Moving Mitchell East House back, along Railroad Ave., looking east
	Week 11-17 02	11/13/2006	12:52 PM	Moving Teacherage back, along 6th St., looking north
	Week 11-17 03	11/13/2006	1:37 PM	Moving Mitchell East House back, along southern extent of excavation, from W. River Road area, looking south
	Week 11-17 04	11/13/2006	1:46 PM	Moving Mackner House back, at the corner of 6th St. and Railroad Ave., looking southeast
	Week 11-17 05	11/14/2006	9:00 AM	Houses staged near final locations, from 5th St. Bridge, looking southwest
	Week 11-17 06	11/15/2006	1:29 PM	Excavator on Levee, from Levee, looking east
	Week 11-17 07	11/18/2006	9:51 AM	Houses raised above final location, from 5th St. Bridge embankment, looking west
	Week 11-17 08	11/18/2006	9:53 AM	Houses raised above final location, from 5th St. Bridge, looking southwest
11/24/2006	Week 11-24 01	11/20/2006	12:35 PM	Moore House, raised above foundation forms, from 6th St. area, looking east
	Week 11-24 02	11/20/2006	12:35 PM	Teacherage, raised above foundation forms, from 6th St. area, looking west
	Week 11-24 03	11/20/2006	12:37 PM	Moore House, raised above foundation forms, from backyard area, looking west
	Week 11-24 04	11/20/2006	12:40 PM	Placing Mitchell West foundation forms, from backyard area, looking east
	Week 11-24 05	11/20/2006	12:41 PM	Mitchell West foundation, from backyard area, looking north
	Week 11-24 06	11/20/2006	12:43 PM	Mitchell West foundation, from W. River Road area, looking south
	Week 11-24 07	11/20/2006	12:52 PM	Teacherage foundation forms under back corner, from W. River Road area, looking southeast
	Week 11-24 08	11/21/2006	9:18 AM	Mitchell East foundation forms, from southern area of property, looking northwest
	Week 11-24 09	11/21/2006	9:18 AM	Mitchell East foundation forms, from southern area of property, looking northeast
	Week 11-24 10	11/21/2006	9:31 AM	Moving blocks on Shawver North Property
	Week 11-24 11	11/21/2006	9:32 AM	Demolished asphalt on Shawver North Property after demobilization of water treatment plant, from W. River Road Area, looking west
12/1/2006	Week 12-01 01	11/28/2006	9:52 AM	Houses in place above foundations, snow covered, from 5th St. Bridge Embankment, looking west
	Week 12-01 02	11/28/2006	11:49 AM	Mackner house raised above foundations, snow covered, from 6th St. area, looking east
	Week 12-01 03	11/28/2006	11:50 AM	Mitchell West house raised above foundations, snow covered, from W. River Road area, looking southeast
	Week 12-01 04	11/28/2006	11:50 AM	Mitchell West house raised above foundations, snow covered, from W. River Road area, looking southeast
	Week 12-01 05	11/28/2006	11:51 AM	Mitchell East house raised above foundation forms, snow covered, from W. River Road area, looking south
	Week 12-01 06	11/30/2006	11:36 AM	Houses and levee, snow covered, from 5th St. Bridge, looking southwest
	Week 12-01 07	11/30/2006	11:36 AM	Teacherage, levee, and South Fork Skykomish River, snow covered, from 5th St. Bridge, looking west
	Week 12-01 08	12/1/2006	1:45 PM	Houses from 5th St. Bridge Embankment, snow on ground, looking southwest
12/8/2006	Week 12-08 01	12/5/2006	9:28 AM	Water line trench, from 6th St. and W. River Road, looking south
	Week 12-08 02	12/7/2006	8:37 AM	Residential water service trench
	Week 12-08 03	12/7/2006	8:38 AM	J.U.T. with storm sewer pipe crossing, from W. River Road near Teacherage, looking east
	Week 12-08 04	12/7/2006	4:26 PM	J.U.T. conduit, from W. River Road, looking west
	Week 12-08 05	12/7/2006	4:31 PM	J.U.T. conduit, from W. River Road on 6th St., looking south
	Week 12-08 06	12/7/2006	5:08 PM	J.U.T. conduit, from 6th St.near School Park area, looking north
	Week 12-08 07	12/7/2006	5:12 PM	Conduit in trench at corner of 6th St. and W. River Road, looking south
	Week 12-08 08	12/8/2006	12:57 PM	J.U.T. along school yard, from W. River Road, looking east
	Week 12-08 09	12/8/2006	1:15 PM	Trench with conduit on W. River Road, looking east
	Week 12-08 10	12/8/2006	1:16 PM	Trench with conduit on W. River Road, looking west
	Week 12-08 11	12/8/2006	1:28 PM	Trench along W. River Road, from Levee, looking southeast
	Week 12-08 12	12/8/2006	3:21 PM	Trench along school yard, from W. River Road, looking west
	Week 12-08 13	12/8/2006	4:43 PM	Trench along Shawver Property, from W. River Road, looking west

Appendix C – Construction Photographs

Week	Photo File Name	Date Taken	Time Taken	Description
12/14/2006	Week 12-14 01	12/11/2006	3:05 PM	Excavation for Mackner and Moore drainfields, from backyard area, looking west
	Week 12-14 02	12/12/2006	3:07 PM	West terminus of J.U.T.
	Week 12-14 03	12/12/2006	3:09 PM	Utility pedestals near Teacherage, West River Road, looking northeast
	Week 12-14 04	12/12/2006	3:10 PM	W. River Road and 6th St. backfilled, from near Teacherage on W. River Road, looking east
	Week 12-14 05	12/13/2006	4:45 PM	Mitchell drainfield excavation, from 5th St. looking west
	Week 12-14 06	12/13/2006	4:54 PM	Moore electrical and communication tie-in, northwest corner of house
	Week 12-14 07	12/13/2006	4:56 PM	Mackner electrical and communications tie-in, from 5th St., looking southwest
	Week 12-14 08	12/14/2006	9:34 AM	Levee and houses, from 5th St. Bridge, looking south
	Week 12-14 09	12/14/2006	9:35 AM	South Fork Skykomish River, from 5th St. Bridge, looking west
	Week 12-14 10	12/16/2006	12:37 PM	Mitchell drainfield, from backyard area, looking east
	Week 12-14 11	12/16/2006	2:59 PM	Mitchell drainfield with piping, from backyard area, looking east
12/21/2006	Week 12-21 01	12/18/2006	9:59 AM	Mitchell septic tank, from between Mitchell East House and Wheatley House, looking northeast
	Week 12-21 02	12/18/2006	10:00 AM	Mitchell drainfield and septic tank ports, from 5th St., looking northwest
	Week 12-21 03	12/18/2006	4:08 PM	Mackner drainfield piping, from backyard area, looking west
	Week 12-21 04	12/19/2006	9:13 AM	Moore drainfield, from backyard area, looking southwest
	Week 12-21 05	12/21/2006	12:44 PM	Mitchell septic line
Site Activities	Site Activities 01	7/28/2006	7:42 AM	Coffer dam inspection
	Site Activities 02	6/20/2006	2:28 PM	Removal of recovery vault
	Site Activities 03	7/5/2006	3:21 PM	Screening activities
	Site Activities 04	7/6/2006	11:28 AM	Boom deployment drill
	Site Activities 05	7/7/2006	10:58 AM	Water quality sampling
	Site Activities 06	7/21/2006	12:04 PM	Primary water treatment plant, from former Lyderson property, looking north
	Site Activities 07	8/16/2006	11:21 AM	Sampling soil from excavator bucket
	Site Activities 08	8/16/2006	4:30 PM	Rock crushing activities
	Site Activities 09	6/26/2006	9:05 AM	Weather station
	Site Activities 10	6/26/2006	9:15 AM	Air monitoring station for respirable dust
	Site Activities 11	6/26/2006	9:15 AM	Air monitoring station for diesel exhaust, PAHs, metals, and naphthas
	Site Activities 12	6/26/2006	9:22 AM	Primary Water Treatment Plant, from former Lyderson Property, looking north
	Site Activities 13	6/26/2006	9:52 AM	Test pit in stockpile for sampling
	Site Activities 14	6/30/2006	8:00 AM	Former City Burn Dump
	Site Activities 15	6/30/2006	9:40 AM	Water quality sampling
	Site Activities 16	6/30/2006	9:41 AM	Close-up of water quality sampling jar
	Site Activities 17	7/14/2006	2:00 PM	Stationary noise monitoring station
	Site Activities 18	7/26/2006	9:55 AM	View of oilwater separator tank at primary water treatment facility, looking east
	Site Activities 19	7/26/2006	9:56 AM	View of primary water treatment facility, along tops of tanks, looking north
	Site Activities 20	7/26/2006	10:03 AM	Piping at primary water treatment facility



Week 06-09 01



Week 06-09 02

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Week 06-09



Week 06-09 03



Week 06-09 04

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Week 06-09 05



Week 06-09 06

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Week 06-09



Week 06-09 07



Week 06-09 08

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Week 06-09

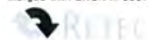


Week 06-09 09



Week 06-09 10

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Week 06-09



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Week 06-09

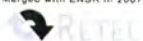


Week 06-16 01



Week 06-16 02

Merged with ENSR in 2007



F:\PROJECT\W\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0616.doc

Week 06-16



Week 06-16 03



Week 06-16 04

Merged with ENSR in 2007



F:\PROJECTW\BNSF\Levee 2006 Completion
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Weekly Photos\Week 0616.doc

Week 06-16



Week 06-16 05



Week 06-16 06

Merged with ENSR in 2007

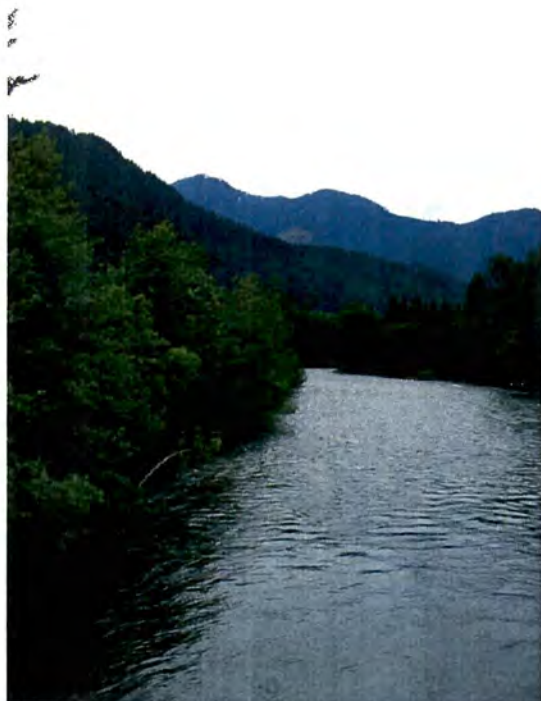


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Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0616.doc

Week 06-16



Week 06-16 07



Week 06-16 08

Merged with ENSR in 2007



F:\PROJECT\W\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0616.doc

Week 06-16



Week 06-16 09



Week 06-16 10

Merged with ENSR in 2007





Week 06-16 11



Week 06-16 12

Merged with ENSR in 2007



F:\PROJECT\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0616.doc

Week 06-16



Week 06-16 13



Week 06-16 14

Merged with ENSR in 2007





Week 06-16 15



Week 06-16 16

Merged with ENSR in 2007



F:\PROJECT\W\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0616.doc

Week 06-16



Week 06-16 17



Week 06-16 18

Merged with ENSR in 2007





Week 06-16 19



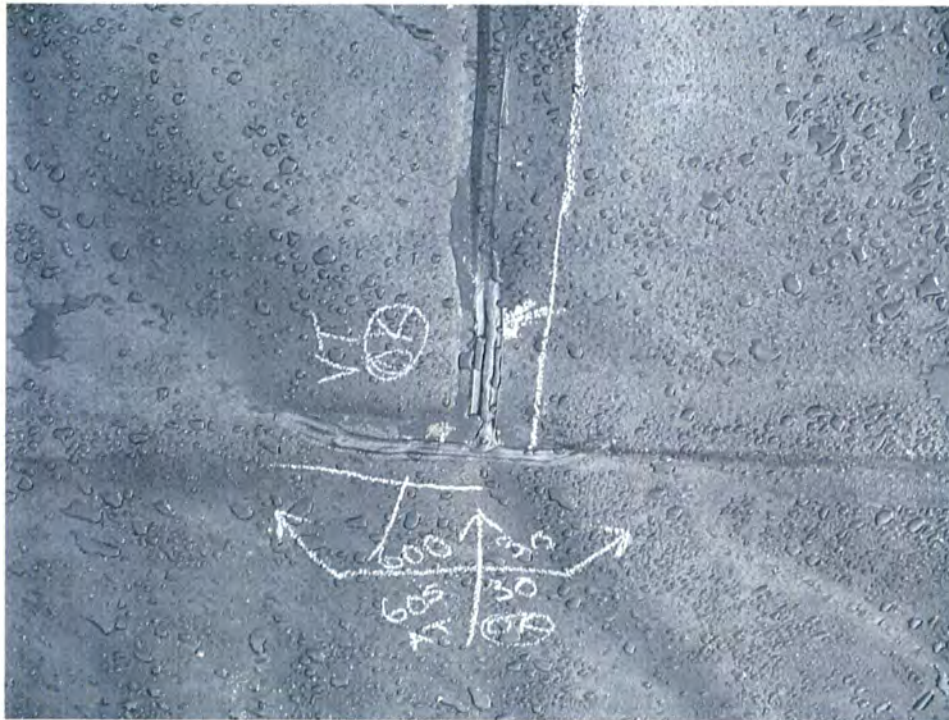
Week 06-16 20

Merged with ENSR in 2007



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Week 06-16

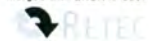


Week 06-16 21



Week 06-16 22

Merged with ENSR in 2007



F:\PROJECT\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0616.doc



Week 06-16 23



Week 06-16 24

Merged with ENSR in 2007





Week 06-16 25



Week 06-16 26

Merged with ENSR in 2007



F:\PROJECT\W\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0616.doc



Week 06-16 27



Week 06-16 28

Merged with ENSR in 2007



F:\PROJECTW\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0616.doc



Week 06-16 29



Week 06-16 30

Merged with ENSR in 2007



F:\PROJECT\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0616.doc

Week 06-16



Week 06-16 31



Week 06-16 32

Merged with ENSR in 2007



F:\PROJECT\W\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0616.doc



Week 06-23 01



Week 06-23 02

Merged with ENSR in 2007



F:\PROJECT\W\BNSF\Levee 2006 Completion
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Weekly Photos\Week 0623.doc

Week 06-23



Week 06-23 03



Week 06-23 04

Merged with ENSR in 2007



F:\PROJECT\W\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0623.doc



Week 06-23 05



Week 06-23 06

Merged with ENSR in 2007



F:\PROJECT\W\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0623.doc

Week 06-23



Week 06-23 07



Week 06-23 08

Merged with ENSR in 2007



F:\PROJECTW\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0623.doc



Week 06-23 09



Week 06-23 10

Merged with ENSR in 2007



F:\PROJECTW\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0623.doc

Week 06-23



Week 06-30 01



Week 06-30 02

Merged with ENSR in 2007



F:\PROJECT\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0630.doc

Week 06-30



Week 06-30 03



Week 06-30 04

Merged with ENSR in 2007



F:\PROJECTW\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0630.doc

Week 06-30



Week 06-30 05



Week 06-30 06

Merged with ENSR in 2007





Week 06-30 07

Merged with ENSR in 2007



F:\PROJECT\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0630.doc

Week 06-30



Week 07-07 01



Week 07-07 02

Merged with ENSR in 2007





Week 07-07 03



Week 07-07 04

Merged with ENSR in 2007





Week 07-07 05



Week 07-07 06

Merged with ENSR in 2007



F:\PROJECT\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0707.doc

Week 07-07



Week 07-07 07



Week 07-07 08

Merged with ENSR in 2007



F:\PROJECT\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0707.doc

Week 07-07



Week 07-07 09



Week 07-07 10

Merged with ENSR in 2007



F:\PROJECT\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0707.doc

Week 07-07



Week 07-07 11



Week 07-07 12

Merged with ENSR in 2007



F:\PROJECT\W\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0707.doc

Week 07-07



Week 07-14 01



Week 07-14 02

Merged with ENSR in 2007



F:\PROJECT\WIBNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0714.doc

Week 07-14



Week 07-14 03



Week 07-14 04

Merged with ENSR in 2007



F:\PROJECT\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0714.doc

Week 07-14



Week 07-14 05



Week 07-14 06

Merged with ENSR in 2007





Week 07-14 07



Week 07-14 08

Merged with ENSR in 2007



F:\PROJECT\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0714.doc



Week 07-14 09



Week 07-14 10

Merged with ENSR in 2007



F:\PROJECT\BNSF\Levee 2006 Completion
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Weekly Photos\Week 0714.doc

Week 07-14



Week 07-14 11

Merged with ENSR in 2007

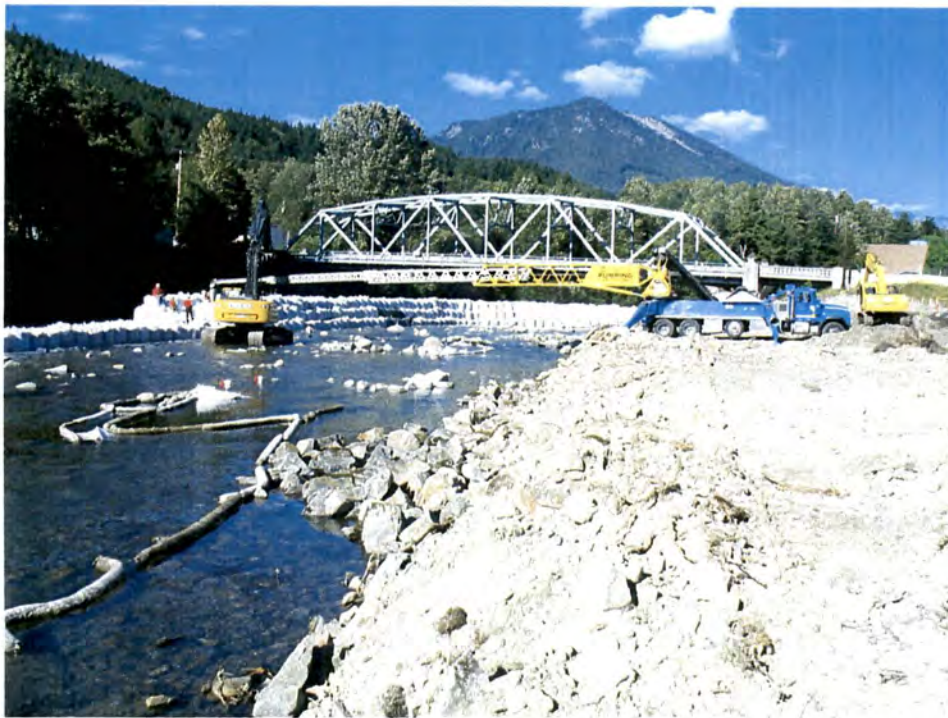


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Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0714.doc

Week 07-14



Week 07-21 01



Week 07-21 02

Merged with ENSR in 2007





Week 07-21 03



Week 07-21 04

Merged with ENSR in 2007



F:\PROJECT\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0721.doc

Week 07-21



Week 07-21 05



Week 07-21 06

Merged with ENSR in 2007





Week 07-21 07



Week 07-21 08

Merged with ENSR in 2007





Week 07-21 09



Week 07-21 10

Merged with ENSR in 2007





Week 07-21 11

Merged with ENSR in 2007



F:\PROJECT\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0721.doc

Week 07-21



Week 08-26 01



Week 08-26 02

Merged with ENSR in 2007





Week 08-26 03



Week 08-26 04

Merged with ENSR in 2007



F:\PROJECT\W\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0826.doc

Week 08-26



Week 08-26 05



Week 08-26 06

Merged with ENSR in 2007





Week 08-26 07



Week 08-26 08

Merged with ENSR in 2007



F:\PROJECT\W\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0826.doc

Week 08-26



Week 08-26 09



Week 08-26 10

Merged with ENSR in 2007





Week 08-26 11



Week 08-26 12

Merged with ENSR in 2007



F:\PROJECT\W\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0826.doc

Week 08-26



Week 08-26 13



Week 08-26 14

Merged with ENSR in 2007





Week 07-28 01



Week 07-28 02

Merged with ENSR in 2007



F:\PROJECT\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0728.doc



Week 07-28 03



Week 07-28 04

Merged with ENSR in 2007





Week 07-28 05



Week 07-28 06

Merged with ENSR in 2007



F:\PROJECT\W\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0728.doc

Week 07-28



Week 07-28 07



Week 07-28 08

Merged with ENSR in 2007





Week 07-28 09

Merged with ENSR in 2007





Week 08-04 01



Week 08-04 02

Merged with ENSR in 2007





Week 08-04 03



Week 08-04 04

Merged with ENSR in 2007





Week 08-04 05



Week 08-04 06

Merged with ENSR in 2007





Week 08-04 07



Week 08-04 08

Merged with ENSR in 2007



F:\PROJECTW\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0804.doc



Week 08-12 01



Week 08-12 02

Merged with ENSR in 2007





Week 08-12 03



Week 08-12 04

Merged with ENSR in 2007



F:\PROJECT\W\BNSF\Levee 2006 Completion
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Weekly Photos\Week 0812.doc

Week 08-12



Week 08-12 05



Week 08-12 06

Merged with ENSR in 2007





Week 08-12 07



Week 08-12 08

Merged with ENSR in 2007



F:\PROJECTW\BNSF\Levee 2006 Completion
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Weekly Photos\Week 0812.doc



Week 08-12 09



Week 08-12 10

Merged with ENSR in 2007





Week 08-12 11



Week 08-12 12

Merged with ENSR in 2007



F:\PROJECT\W\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0812.doc

Week 08-12



Week 08-19 01



Week 08-19 02

Merged with ENSR in 2007





Week 08-19 03



Week 08-19 04

Merged with ENSR in 2007



F:\PROJECTW\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0819.doc

Week 08-19



Week 08-19 05



Week 08-19 06

Merged with ENSR in 2007





Week 08-19 07



Week 08-19 08

Merged with ENSR in 2007





Week 08-19 09

Merged with ENSR in 2007



F:\PROJECT\W\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0819.doc

Week 08-19



Week 08-26 01



Week 08-26 02

Merged with ENSR in 2007



F:\PROJECT\W\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0826.doc

Week 08-26



Week 08-26 03



Week 08-26 04

Merged with ENSR in 2007



F:\PROJECT\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0826.doc



Week 08-26 05



Week 08-26 06

Merged with ENSR in 2007



F:\PROJECT\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0826.doc

Week 08-26



Week 08-26 07



Week 08-26 08

Merged with ENSR in 2007



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Week 08-26

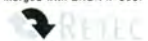


Week 08-26 09



Week 08-26 10

Merged with ENSR in 2007



F:\PROJECT\W\BNSF\Levee 2006 Completion
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Weekly Photos\Week 0826.doc

Week 08-26



Week 08-26 11



Week 08-26 12

Merged with ENSR in 2007





Week 08-26 13



Week 08-26 14

Merged with ENSR in 2007



F:\PROJECT\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0826.doc

Week 08-26



Week 09-01 01



Week 09-01 02

Merged with ENSR in 2007



F:\PROJECTW\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0901.doc

Week 09-01



Week 09-01 03



Week 09-01 04

Merged with ENSR in 2007



F:\PROJECT\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0901.doc



Week 09-01 05



Week 09-01 06

Merged with ENSR in 2007



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Week 09-01

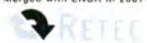


Week 09-01 07



Week 09-01 08

Merged with ENSR in 2007



F:\PROJECT\W\BNSF\Levee 2006 Completion
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Weekly Photos\Week 0901.doc

Week 09-01



Week 09-01 09

Merged with ENSR in 2007



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Week 09-01

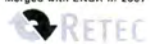


Week 09-08 01



Week 09-08 02

Merged with ENSR in 2007



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Week 09-08

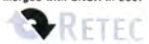


Week 09-08 03



Week 09-08 04

Merged with ENSR in 2007



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Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0908.doc

Week 09-08



Week 09-08 05



Week 09-08 06

Merged with ENSR in 2007



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Weekly Photos\Week 0908.doc

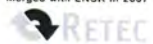


Week 09-08 07



Week 09-08 08

Merged with ENSR in 2007





Week 09-08 09



Week 09-08 10

Merged with ENSR in 2007



F:\PROJECT\WBNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0908.doc



Week 09-08 11



Week 09-08 12

Merged with ENSR in 2007



F:\PROJECT\WBNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0908.doc

Week 09-08



Week 09-08 13

Merged with ENSR in 2007



F:\PROJECT\WBNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0908.doc

Week 09-08



Week 09-15 01



Week 09-15 02

Merged with ENSR in 2007



F:\PROJECT\WBNSF\Levee 2006 Completion
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Weekly Photos\Week 0915.doc



Week 09-15 03



Week 09-15 04

Merged with ENSR in 2007



F:\PROJECT\WBNSF\Levee 2006 Completion
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Weekly Photos\Week 0915.doc



Week 09-15 05



Week 09-15 06

Merged with ENSR in 2007



F:\PROJECT\WBNSF\Levee 2006 Completion
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Weekly Photos\Week 0915.doc



Week 09-15 07



Week 09-15 08

Merged with ENSR in 2007



F:\PROJECT\WBNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0915.doc



Week 09-15 09



Week 09-15 10

Merged with ENSR in 2007



F:\PROJECT\WBNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0915.doc



Week 09-15 11

Merged with ENSR in 2007



F:\PROJECT\BNSF\Levee 2006 Completion
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Weekly Photos\Week 0915.doc



Week 09-22 01



Week 09-22 02

Merged with ENSR in 2007



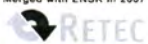


Week 09-22 03



Week 09-22 04

Merged with ENSR in 2007



F:\PROJECT\WBNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0922.doc



Week 09-22 05



Week 09-22 06

Merged with ENSR in 2007



F:\PROJECT\WBNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0922.doc



Week 09-22 07



Week 09-22 08

Merged with ENSR in 2007



F:\PROJECT\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0922.doc



Week 09-22 09



Week 09-22 10

Merged with ENSR in 2007



F:\PROJECT\WBNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0922.doc

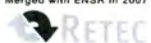


Week 09-22 11



Week 09-22 12

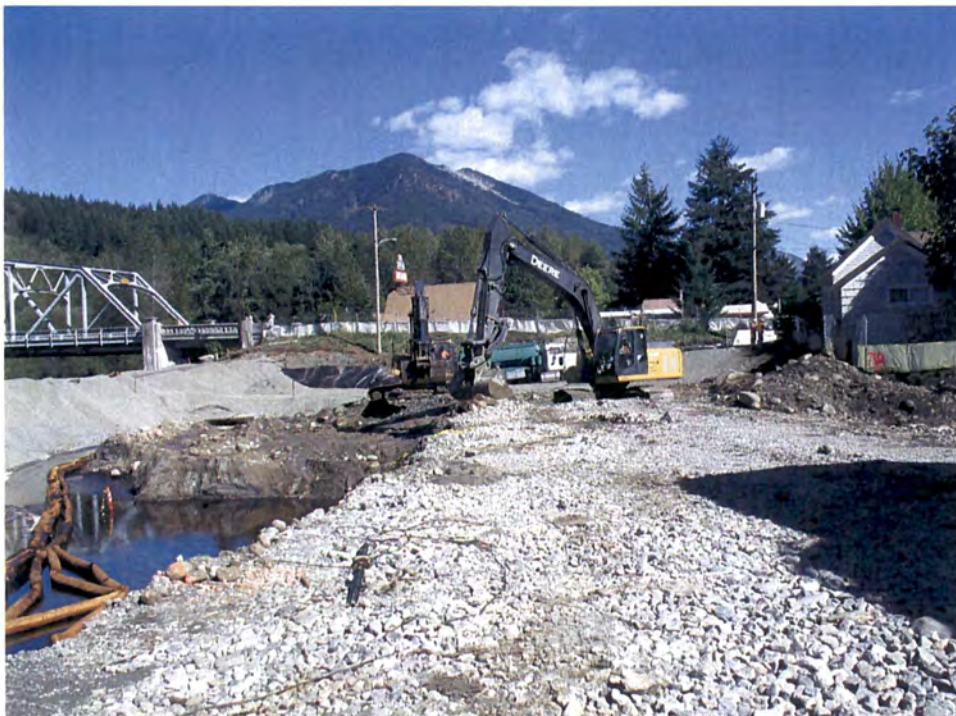
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F:\PROJECT\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0922.doc



Week 09-29 01



Week 09-29 02

Merged with ENSR in 2007



F:\PROJECT\WBNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0929.doc



Week 09-29 03



Week 09-29 04

Merged with ENSR in 2007



F:\PROJECT\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 0929.doc



Week 09-29 05



Week 09-29 06

Merged with ENSR in 2007



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Week 09-29

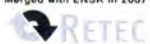


Week 09-29 07



Week 09-29 08

Merged with ENSR in 2007



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Weekly Photos\Week 0929.doc



Week 09-29 09



Week 09-29 10

Merged with ENSR in 2007



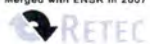


Week 09-29 11



Week 09-29 12

Merged with ENSR in 2007





Week 10-06 01



Week 10-06 02

Merged with ENSR in 2007



F:\PROJECT\WBNSF\Levee 2006 Completion
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Weekly Photos\Week 1006.doc



Week 10-06 03



Week 10-06 04

Merged with ENSR in 2007



F:\PROJECT\WBNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 1006.doc



Week 10-06 05



Week 10-06 06

Merged with ENSR in 2007



F:\PROJECT\WBNSF\Levee 2006 Completion
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Weekly Photos\Week 1006.doc

Week 10-06



Week 10-06 07



Week 10-06 08

Merged with ENSR in 2007



F:\PROJECT\WBNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 1006.doc



Week 10-06 09



Week 10-06 10

Merged with ENSR in 2007



F:\PROJECT\BNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 1006.doc

Week 10-06



Week 10-06 11



Week 10-06 12

Merged with ENSR in 2007



F:\PROJECT\WBNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 1006.doc



Week 10-06 13



Week 10-06 14

Merged with ENSR in 2007



F:\PROJECT\WBNSF\Levee 2006 Completion
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Weekly Photos\Week 1006.doc

Week 10-06

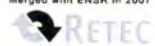


Week 10-06 15



Week 10-06 16

Merged with ENSR in 2007



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Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 1006.doc



Week 10-06 17



Week 10-06 18

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Weekly Photos\Week 1006.doc



Week 10-13 01



Week 10-13 02

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Week 10-13 03



Week 10-13 04

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Week 10-13 05



Week 10-13 06

Merged with ENSR in 2007



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Week 10-13 07



Week 10-13 08

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Week 10-13 09



Week 10-13 10

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Week 10-20 01



Week 10-20 02

Merged with ENSR in 2007



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Weekly Photos\Week 1020.doc

Week 10-20



Week 10-20 03



Week 10-20 04

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Week 10-20 05



Week 10-20 06

Merged with ENSR in 2007



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Weekly Photos\Week 1020.doc



Week 10-20 07



Week 10-20 08

Merged with ENSR in 2007



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Week 10-20 09



Week 10-20 10

Merged with ENSR in 2007



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Week 10-20 11

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Weekly Photos\Week 1020.doc

Week 10-20



Week 10-27 01



Week 10-27 02

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Week 10-27 03



Week 10-27 04

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Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 1027.doc



Week 10-27 05



Week 10-27 06

Merged with ENSR in 2007



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Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 1027.doc



Week 10-27 07



Week 10-27 08

Merged with ENSR in 2007



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Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 1027.doc



Week 10-27 09



Week 10-27 10

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Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 1027.doc

Week 10-27



Week 11-10 01



Week 11-10 02

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Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 1110.doc



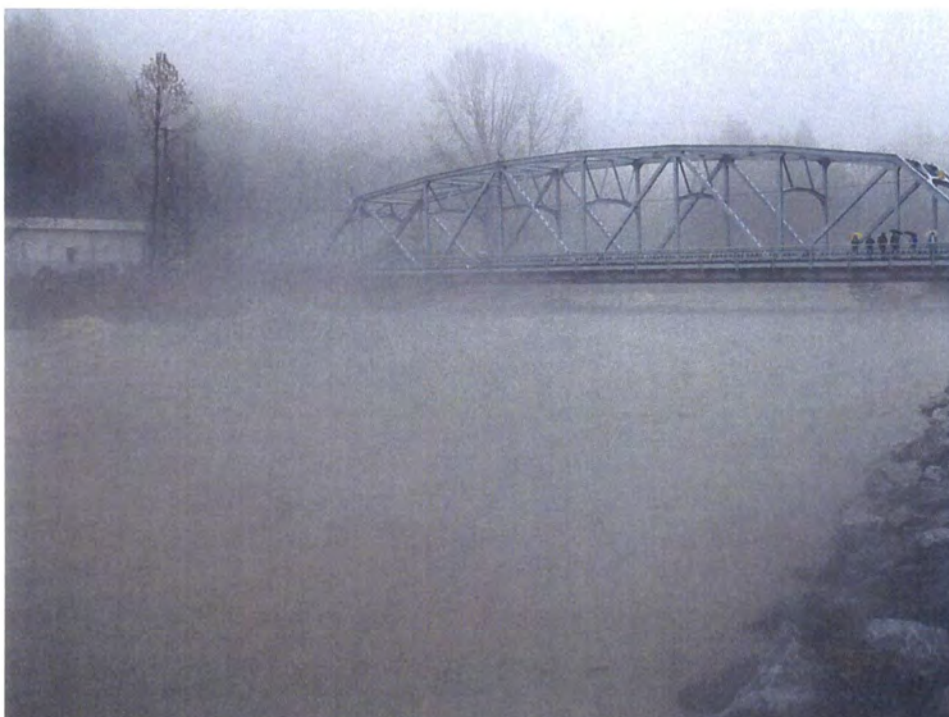
Week 11-10 03



Week 11-10 04

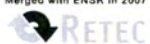


Week 11-10 05



Week 11-10 06

Merged with ENSR in 2007



F:\PROJECT\WBNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 1110.doc



Week 11-10 07



Week 11-10 08



Week 11-10 09



Week 11-10 10

Merged with ENSR in 2007



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Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 1110.doc



Week 11-10 11



Week 11-10 12

Merged with ENSR in 2007



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Weekly Photos\Week 1110.doc



Week 11-10 13

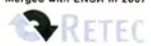


Week 11-10 01



Week 11-10 02

Merged with ENSR in 2007



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Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 1110.doc



Week 11-17 01



Week 11-17 02

Merged with ENSR in 2007



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Weekly Photos\Week 1117.doc

Week 11-17



Week 11-17 03



Week 11-17 04

Merged with ENSR in 2007



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Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 1117.doc



Week 11-17 05



Week 11-17 06

Merged with ENSR in 2007



F:\PROJECT\WBNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 1117.doc



Week 11-17 07



Week 11-17 08

Merged with ENSR in 2007



F:\PROJECT\WBNSF\Levee 2006 Completion
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Weekly Photos\Week 1117.doc

Week 11-17

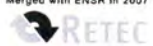


Week 11-24 01



Week 11-24 02

Merged with ENSR in 2007



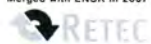


Week 11-24 03



Week 11-24 04

Merged with ENSR in 2007





Week 11-24 05



Week 11-24 06

Merged with ENSR in 2007



F:\PROJECT\WBNSF\Levee 2006 Completion
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Weekly Photos\Week 1124.doc



Week 11-24 07



Week 11-24 08

Merged with ENSR in 2007



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Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 1124.doc



Week 11-24 09



Week 11-24 10

Merged with ENSR in 2007





Week 11-24 11



Week 12-01 01



Week 12-01 02

Merged with ENSR in 2007



F:\PROJECT\WBNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 1201.doc

Week 12-01

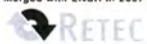


Week 12-01 03



Week 12-01 04

Merged with ENSR in 2007



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Week 12-01

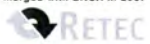


Week 12-01 05



Week 12-01 06

Merged with ENSR in 2007



F:\PROJECT\WBNSF\Levee 2006 Completion
Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 1201.doc

Week 12-01



Week 12-01 07



Week 12-01 08

Merged with ENSR in 2007



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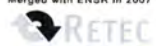


Week 12-08 01



Week 12-08 02

Merged with ENSR in 2007





Week 12-08 03



Week 12-08 04

Merged with ENSR in 2007



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Report\Appendices\O. Appendices on DVD\Skykomish
Weekly Photos\Week 1208.doc



Week 12-08 05



Week 12-08 06

Merged with ENSR in 2007





Week 12-08 07



Week 12-08 08

Merged with ENSR in 2007



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Weekly Photos\Week 1208.doc



Week 12-08 09



Week 12-08 10

Merged with ENSR in 2007





Week 12-08 11



Week 12-08 12

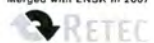
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Week 12-08 13

Merged with ENSR in 2007



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Week 12-08



Week 12-14 01



Week 12-14 02

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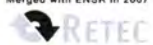


Week 12-14 03



Week 12-14 04

Merged with ENSR in 2007



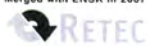


Week 12-14 05



Week 12-14 06

Merged with ENSR in 2007



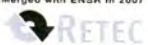


Week 12-14 07



Week 12-14 08

Merged with ENSR in 2007



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Week 12-14 09



Week 12-14 10

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Week 12-14 11

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Week 12-21 01



Week 12-21 02

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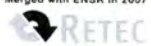


Week 12-21 03



Week 12-21 04

Merged with ENSR in 2007





Week 12-21 05

Merged with ENSR in 2007



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Week 12-21



Site Activities 01



Site Activities 02

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Site Activities 03



Site Activities 04

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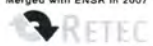


Site Activities 05



Site Activities 06

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Site Activities 07



Site Activities 08

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Site Activities 09



Site Activities 10

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Site Activities 11



Site Activities 12

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Site Activities 13



Site Activities 14

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Site Activities 15



Site Activities 16

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Site Activities 17



Site Activities 18

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Site Activities 19



Site Activities 20

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