FARALLON consulting

975 5th Avenue Northwest, Issaquah, Washington 98027
Tel: (425) 295-0800 Fax: (425) 295-0850
www.farallonconsulting.com

COMPLETION AND COMPLIANCE MONITORING REPORT

SLAG DISPOSAL, BECKWITH PROPERTY SITE
SOUTH 218TH STREET AND 90TH AVENUE SOUTH
KENT, WASHINGTON

Submitted by:
Farallon Consulting, L.L.C.
975 5th Avenue Northwest
Issaquah, Washington 98027

Farallon PN: 831-022

For:
Earle M. Jorgensen Company
10650 Alameda Street
Lynwood, California 90262

May 2012

Prepared by:

Kristin J. Darnell, E.I.T.
Project Scientist

RICHARD W. MCMANUS
STATE OF WASHINGTON
35032
REGISTERED
PROFESSIONAL ENGINEER
5/15/12

Reviewed by:

Amy Essig Desai
Senior Scientist

Peter Jewett, L.G., L.E.G.
Principal

Richard McManus, P.E.
Principal Engineer

TABLE OF CONTENTS

1.0 INTRODUCTION 1-1
1.1 COMPLETION REPORT ORGANIZATION 1-1

2.0 SITE DESCRIPTION 2-1
2.1 BACKGROUND 2-1
2.2 SITE LOCATION 2-1
2.3 TOPOGRAPHY 2-2
2.4 SOIL 2-2
2.5 SLAG 2-2
2.6 SURFACE WATER 2-2
2.7 GROUNDWATER 2-3
2.8 WETLANDS 2-3

3.0 TECHNICAL ELEMENTS 3-1
3.1 MEDIA AND CONTAMINANT OF CONCERN 3-1
3.2 CLEANUP LEVELS 3-1
3.3 POINTS OF COMPLIANCE 3-1

4.0 PROJECT PLANNING AND PERMITTING 4-1
4.1 PLANNING DOCUMENTS 4-1
4.2 PROJECT PLANNING ACTIVITIES 4-1
4.2.1 State Environmental Policy Act Application 4-1
4.2.2 Grading Permit 4-2
4.2.3 Construction Stormwater General Permit 4-2
4.2.4 Wastewater Discharge Authorization 4-2
4.2.5 Wetland Buffer Enhancement/Restoration Plan 4-2

5.0 CLEANUP ACTION ACTIVITIES 5-1
5.1 SITE PREPARATION 5-1
5.1.1 Water Treatment System Relocation 5-1
5.1.2 Pre-Excavation Test Pits 5-1
5.1.3 Site Survey and Sample Control Grid Layout 5-2
5.1.4 Site Mobilization 5-2
5.1.5 Access Road Construction 5-2
5.1.6 Critical Slope Area Protection 5-2
5.1.7 Temporary Erosion Control 5-3
5.1.8 Site Clearing 5-3
5.1.9 Underground Utility Marking 5-3
5.1.10 Pre-Construction Meetings 5-3
5.1.11 Weekly Meetings 5-3
5.1.12 Monthly Progress Reports 5-3
5.2 SOIL AND SLAG EXCAVATION 5-4
5.2.1 Temporary Soil Stockpiling 5-4

5.2.2 Slag Excavation 5-4
5.2.3 Water Treatment System Operation 5-5
5.2.4 Site Decontamination 5-6
5.3 WASTE MANAGEMENT 5-6

6.0 COMPLIANCE MONITORING 6-1
6.1 SOIL MONITORING 6-1
6.1.1 Performance Monitoring 6-1
6.1.2 Confirmation Monitoring 6-1
6.1.3 Field Testing 6-2
6.1.4 Results 6-2
6.1.5 Quality Control Samples 6-2
6.2 AIR MONITORING 6-2
6.2.1 Personal Air Monitoring 6-2
6.2.2 Perimeter Air Monitoring 6-3
6.3 SURFACE WATER MONITORING 6-3
6.3.1 Performance Monitoring 6-3
6.3.2 Compliance Monitoring 6-3
6.3.3 Compliance Sampling Results 6-4
6.3.4 Quality Control Samples 6-4

7.0 SITE RESTORATION 7-1
7.1 BACKFILL 7-1
7.2 SITE DRAINAGE 7-1
7.3 WETLAND BUFFER AREA RESTORATION 7-2
7.4 EROSION CONTROL AND FINAL GRADING 7-2
7.5 SITE DEMOBILIZATION 7-3

8.0 ADDITIONAL DELIVERABLES 8-1

9.0 CONCLUSIONS AND CERTIFICATION 9-1

10.0 REFERENCES 10-1

FIGURES

Figure 1 *Site Location Map*
Figure 2 *Site Map with Lateral Extent and Thickness of Excavated Slag*
Figure 3 *Site Map with Wetland Boundaries*
Figure 4 *Site Map with Surface Water Compliance Sampling Locations*
Figure 5 *Site Map with Soil Confirmation Sampling Locations*

TABLES

Table 1 *Slag Disposal Summary*
Table 2 *Summary of Soil Compliance Sampling Results*
Table 3 *Summary of Air Monitoring Analytical Results*
Table 4 *Summary of Surface Water Performance Sampling Results*
Table 5 *Summary of Surface Water Compliance Sampling Results*

APPENDICES

Appendix A Wetland Buffer Enhancement/Restoration Plan and Addendum Letter
Appendix B Stormwater Pollution Prevention Plan for EMJ-Kent Slag Site Cleanup Action
Appendix C Permits
Appendix D Photographic Log
Appendix E Test Pit Logs
Appendix F As-Built Survey
Appendix G Monthly Progress Reports
Appendix H Waste Disposal Documentation
Appendix I Air Monitoring Analytical Results
Appendix J Compaction Test Results
Appendix K Culvert Details
Appendix L Wetland Buffer Restoration As-Built Report and City of Kent Approval Letter
Appendix M Professional Engineering Certification

ACRONYMS AND ABBREVIATIONS

Anchor	Anchor QEA, L.L.C.
bgs	below ground surface
CAWP	*Cleanup Action Work Plan, Slag Disposal Beckwith Property Site, South 218th Street and 90th Avenue South, Kent, Washington* dated June 2010, prepared by Farallon Consulting, L.L.C.
cleanup levels	Site-specific cleanup levels defined by the Washington State Department of Ecology in the Cleanup Action Work Plan dated June 2010, prepared by Farallon.
Consent Decree	Consent Decree No. 95-2-15301-1 entered into by Earle M. Jorgensen Company and the Washington State Department of Ecology in June 1995
Construction Plans	*Slag Disposal Beckwith Property Site Excavation Project and Specifications, Construction Plans and Specifications, Kent, Washington* dated August 2010, prepared by Farallon
Ecology	Washington State Department of Ecology
EMJ	Earle M. Jorgensen Company
Farallon	Farallon Consulting, L.L.C.
IHS	Indicator Hazardous Substance
MTCA	Washington State Model Toxics Control Act Cleanup Regulation
PLS	Professional Land Surveyors of Issaquah, Washington
SECOR	SECOR International Incorporated
SEPA Application	State Environmental Policy Act Environmental Checklist
slag	secondary steel slag
Site	Slag Disposal Beckwith Property Site in Kent, Washington
WAC	Washington Administrative Code

1.0 INTRODUCTION

This Completion and Compliance Monitoring Report (Completion Report) has been prepared on behalf of Earle M. Jorgensen Company (EMJ) to document the cleanup action completed at the property at the southeastern corner of South 218th Street and 90th Avenue South in Kent, Washington (herein referred to as the Site) (Figure 1). The cleanup action has been completed under Consent Decree No. 95-2-15301-1 (Consent Decree) entered into by the Washington State Department of Ecology (Ecology) and EMJ and in accordance with the *Cleanup Action Work Plan, Slag Disposal Beckwith Property Site, South 218th Street and 90th Avenue South, Kent, Washington* dated June 2010, prepared by Farallon Consulting, L.L.C. (Farallon) (CAWP). The CAWP was prepared in accordance with the Washington State Model Toxics Control Act Cleanup Regulation (MTCA) as established in Chapter 173-340 of the Washington Administrative Code (WAC 173-340). The CAWP was reviewed and approved by Ecology and the City of Kent.

The Consent Decree requires that surface water leaving the site not have a pH exceeding 8.5. The cleanup action conducted at the Site was designed to eliminate the discharge of surface water with pH exceeding 8.5 and consisted of removal and off-Site disposal of approximately 58,000 tons of secondary steel slag that contained lime ash (herein referred to as slag). As documented herein, the cleanup action has met the MTCA Threshold Requirements defined in WAC 173-340-360(2)(a), which include protection of human health and the environment; compliance with the cleanup standards defined in the CAWP for the Site; compliance with applicable state and federal laws; and post-excavation compliance monitoring.

The cleanup action is a permanent solution and meets Ecology requirements for closure and delisting the Site from the Ecology Confirmed and Suspected Contaminated Sites List (CSCSL) and the Hazardous Sites List. Ecology will be petitioned to remove the Site from the CSCSL and the Hazardous Sites List. After all monitoring requirements are completed, Ecology will be petitioned to close the Consent Decree.

The cleanup action included:

- Excavation and off-Site disposal of 58,337.64 tons of slag;
- Compliance sampling and analysis of the excavation bottom and sidewalls for soil pH;
- Site restoration, including wetland buffer areas impacted by the cleanup action; and
- Four rounds of compliance sampling and analysis for surface water pH.

1.1 COMPLETION REPORT ORGANIZATION

The Completion Report has been organized into the following sections:

- **Section 1.0—Introduction**: This section provides the purpose and organization of the Completion Report.

- **Section 2.0—Site Description**: This section provides a description of the Site background, location, topography, soil, hydrology, and wetlands.
- **Section 3.0—Technical Elements**: This section provides the technical elements applicable to the cleanup action for the Site.
- **Section 4.0—Project Planning and Permitting:** This section provides a list of the planning documents referenced during the planning of the cleanup action and describes the planning activities conducted, including obtaining the required permits for the cleanup action prior to commencement of work at the Site.
- **Section 5.0—Cleanup Action Activities**: This section provides a description of the Site preparation, cleanup action activities, and waste management conducted at the Site.
- **Section 6.0—Compliance Monitoring**: This section provides a description of the soil, air, and surface water confirmation and compliance monitoring conducted during and after the cleanup action.
- **Section 7.0—Site Restoration**: This section provides a description of the Site restoration activities conducted at the Site.
- **Section 8.0—Additional Deliverables**: This section presents additional actions and plans to be performed.
- **Section 9.0—Conclusions and Certification**: This section provides the conclusions of the cleanup action activities conducted at the Site and certification by a Registered Professional Engineer.
- **Section 10.0—References**: This section presents a list of the documents cited in this report.

2.0 SITE DESCRIPTION

The following sections present the background, location, description and topography, surface water, soil and slag, groundwater, and wetlands at the Site. A description of the Site prior to slag excavation and Site restoration is provided in the CAWP and the documents cited therein, and in the documents listed in Section 10.0, References. A discussion of previous investigations and cleanup actions is presented in the CAWP.

2.1 BACKGROUND

Slag was placed as fill on the Site between 1984 and 1990. The slag was a waste product from smelting recycled steel. Lime was used in the smelting process, and the slag contained lime ash. The lime ash caused elevated pH in water that came into contact with it.

Interim actions were conducted at the Site in 1995 through 1996 and in 2002 in an effort to mitigate the discharge of surface water with pH exceeding 8.5 from the stormwater detention pond on the northeastern corner of the Site (Figure 2). These actions included installation of an interceptor drain and high-density polyethylene liner in 1995/1996 and installation of an impermeable clay barrier and concrete catch basin in 2002. Ecology (2007) confirmed that the requirements of the Consent Decree had been met at that time and that further monitoring was no longer required.

The City of Kent measured pH of 12.5 to 12.8 in surface water discharging from seeps located on the north and northwest sides of the Site in March 2009 (Ecology 2009a). Based on the pH levels measured in surface water leaving the Site in March 2009, Ecology required implementation of an Interim Action under the existing Consent Decree to mitigate discharge of surface water with pH exceeding 8.5. The interim action consisted of capture of surface water for pre-treatment and disposal to the sanitary sewer system under permit from King County.

The results of investigations conducted at the Site by Farallon (2009a) determined that infiltration of precipitation and surface water that bypassed the interceptor drain and barrier system installed in 1995/1996 reacted with the lime ash in the slag, elevating the pH in surface water that discharged from the seeps.

2.2 SITE LOCATION

The Site is located at the southeastern corner of South 218th Street and 90th Avenue South (also referred to as 88th Avenue South) in Kent, Washington within Section 7, Township 22 North, Range 5 East, at the eastern edge of the Kent Valley approximately 200 feet east of State Route 167 at 60 to 70 feet above mean sea level (Figure 1). The Site is primarily located within a vacant 4.7-acre parcel. The southwestern toe of the Site extends into the City of Kent's right-of-way for 90th Avenue South (Figure 2).

2.3 TOPOGRAPHY

The Site is located at the base of a steep (greater than 40 percent), heavily vegetated, north-south trending, west-facing slope that is approximately 50 feet high. Kent City Code Chapter 11.06 Critical Areas (Ordinance 3746, § 3, 4-19-05) defines this slope as a Landslide Hazard Area. A heavily vegetated slope on the west side of the Site drops steeply to 90th Avenue South approximately 20 feet below (Figure 2).

The majority of the Site gradually slopes eastward so that surface water runoff flows into a culvert and is discharged to the stormwater detention pond at the northeastern corner of the Site. The southwestern-most portion of the Site is very narrow and slopes downward 20 feet to the southwest.

2.4 SOIL

Native soil consists of Quaternary deposits of Vashon sub-glacial till overlain by non-glacial alluvium deposits. The Vashon till is characterized as a poorly graded sand with silt and gravel. The till is dense to very dense and is primarily dark brown in color. The alluvium deposits consist of sandy silt to silt that is reddish-grey to grey and stiff.

2.5 SLAG

The slag placed on the native silt consisted of:

- Dark grey to black, dense, granular, coarse-grained material that was relatively permeable;
- Cobble-sized blocks of lime; and
- White powder (lime ash).

The depth to the contact of slag and underlying native soil prior to the excavation ranged from 1.5 feet below ground surface (bgs) at the entryway on the south side of the Site to 4 feet on the western and eastern sides to 18 feet bgs in the central portion of the Site. The slag had been covered with an approximately 3- to 6-foot-thick cap placed as part of the interim action in 2002. The cap consisted of Class B pit-run gravel and Class A 3-way-mix top soil.

2.6 SURFACE WATER

Surface water occurs at the Site in the following locations:

- The interceptor drain in the east drainage ditch;
- The stormwater detention pond on the northeastern corner of the Site;
- Drainage ditches north of the Site on the south side of South 218th Street,
- Drainage ditches west of the Site on the east side of 90th Avenue South; and
- Intermittent seeps located on the north and northwest sides of the Site (Figure 2).

Surface water runoff from the hillside northeast of the Site flows into a ditch along the northern portion of the Site, into the west drainage ditch, and into a culvert that extends beneath 90th Avenue South (Figure 2). The east drainage ditch captures surface water from the heavily vegetated slope on the east side of the Site. The northern portion of the east drainage ditch discharges into the detention pond on the northeastern corner of the Site (Figure 2). Stormwater in the detention pond discharges through a culvert that extends beneath South 218th Street into Garrison Creek. Surface water collected in the southern portion of the east drainage ditch follows the land topography and drains along the southern portion of the Site to a small stream.

2.7 GROUNDWATER

Regional groundwater occurs in a water-bearing zone at approximately 40 feet bgs under confined conditions and within a deep aquifer that is reported to be greater than 40 feet bgs. The hydraulic conductivity of native soils within 50 feet of the ground surface was estimated to be 0.08 to 0.8 foot per day.

2.8 WETLANDS

Seven wetland areas identified by ESA Adolfson (2006) as Wetlands C, D, I, J, L, M, and N are within or adjacent to the cleanup action area on the Site. Each wetland area is summarized below and shown on Figure 3.

- **Wetland C** is on the west side of 90th Avenue South and is 0.12 acre in size. This wetland receives water from groundwater and from surface water flow from both State Route 167 and 90th Avenue South.
- **Wetland D** is on the northeast corner of the Site and is considered part of the approximately 20-acre Middle Fork Garrison Creek Wetland Complex.
- **Wetland I** includes the stormwater detention pond at the north end of the Site and is 0.03 acre in size. Surface water enters the wetland from the south through the polyvinyl chloride (PVC) pipe in the eastern drainage ditch and exits through a culvert to the north when the water level in the pond is high enough to enter the culvert. Water in the culvert then flows north beneath South 218th Street into Wetland J.
- **Wetland J** is north of South 218th Street and is considered part of the approximately 20-acre Middle Fork Garrison Creek Wetland Complex.
- **Wetland L** is in a roadside ditch along the east side of the north end of 90th Avenue South and is 0.04 acre in size. Groundwater and surface water runoff from the adjacent road is the main contributor of Wetland L hydrology. Vegetation in this wetland generally is disturbed by road maintenance activities.
- **Wetland M** is a small wetland along the east side of 90th Avenue South directly north of the Site entrance and is 0.004 acre in size. Sources of Wetland M hydrology include groundwater and surface water runoff from the adjacent road.

- **Wetland N** is in a ditch along the east side of 90th Avenue South directly south of the Site entrance, extending up the slope along two small drainage courses, and is 0.30 acre in size. Two small streams flow through the wetland and into the roadside ditch. Groundwater is the main contributor of Wetland N hydrology.

Standard buffer widths were determined by ESA Adolfson (2006) based on the wetland category and habitat score for each wetland. Wetlands are classified as Category I, II, III, or IV based on the Washington State Wetland Rating System for Western Washington in accordance with Kent City Code for Critical Areas, KCC 11.06 Critical Areas (Ordinance 3746, Section 3, April 19, 2005). Wetland J, located approximately north and across South 218th Street from the Site, is part of the Middle Fork Garrison Creek Wetland Complex, which has a standard buffer width of 125 feet as a Category II Wetland and contains a habitat score between 20 and 28 (Figure 3). Other designated wetlands on the Site have a standard buffer width of 50 feet as Category IV Wetlands and have habitat scores of less than 20.

3.0 TECHNICAL ELEMENTS

This section presents the technical elements applicable to the cleanup action for the Site. Described below are the media and contaminant of concern, and cleanup standards and points of compliance applicable to the cleanup action in accordance with MTCA.

3.1 MEDIA AND CONTAMINANT OF CONCERN

The media of concern for the cleanup action were soil, surface water, and perched groundwater within the slag.

The contaminant of concern was lime ash, intermixed with the slag. The lime ash reacted with water to cause surface water with pH exceeding 8.5 ft to be discharged from the Site. In addition, there was a potential for lime ash to migrate from the slag to underlying native soil that could have resulted in a soil to groundwater pathway if the soil contained sufficient lime ash.

3.2 CLEANUP LEVELS

Cleanup levels are the concentrations of the contaminant that will be met for each medium of concern at the points of compliance or conditional points of compliance defined to meet the requirements of MTCA cleanup standards. The cleanup levels are Site-specific based on the information collected on the Site.

The cleanup level for pH in groundwater and surface water as defined in the Consent Decree and a subsequent variance was between 5.5 and 8.5.

There is no cleanup level for lime ash (the contaminant of concern) that reacted with water; therefore, a performance level for an Indicator Hazardous Substance (IHS) was established for soil and slag that would result in surface water meeting the cleanup levels. The IHS used to guide the cleanup activities was slag or native soil with pH exceeding 8.5.

3.3 POINTS OF COMPLIANCE

The points of compliance are defined in MTCA Section 200 of Chapter 173-340 of the Washington Administrative Code (WAC 173-340-200), as the locations where the cleanup levels are to be attained. As defined under MTCA, once the cleanup levels have been attained at the points of compliance, the Site will no longer be a threat to human health or the environment.

The points of compliance for the cleanup action were:

- Soil throughout the Site;
- Surface water on and discharging from the Site; and
- Groundwater from the uppermost level of the saturated zone, extending vertically to the lowest-most depth that potentially could have been affected by the Site.

The points of compliance monitoring locations for soil included native soil exposed once the slag had been removed (as discussed in Section 6.1).

The points of compliance monitoring locations for surface water included:

- **SW-1**: The southern end of the east drainage ditch;
- **SW-2**: The discharge culvert on the western boundary of the Site near 90th Avenue South;
- **SW-3**: The seep location near sump 3;
- **SW-4**: The discharge culvert north of the Site across South 218th Street; and
- **SW-5**: The southern end of the west drainage ditch (Figure 4).

4.0 PROJECT PLANNING AND PERMITTING

This section provides a summary of the documents referenced during the project planning process and a description of the project planning activities conducted, including obtaining the permits required to conduct the cleanup action prior to commencement of field work.

4.1 PLANNING DOCUMENTS

The following documents were approved by Ecology and the City of Kent for use in planning the cleanup action. The cleanup action was conducted in accordance with these documents, which define the specifications and details of the cleanup action. The planning documents included:

- The CAWP, which included a sampling and analysis plan for performance and compliance monitoring of both soil and surface water, a health and safety plan, an air monitoring plan, a quality assurance project plan, and a site restoration plan;
- The construction plans and specifications detailed in *Slag Disposal Beckwith Property Site Excavation Project Construction Plans and Specifications, Kent, Washington* dated August 2010, prepared by Farallon (Construction Plans and Specifications) and provided in the CAWP;
- The *Wetland Buffer Enhancement/Restoration Plan* dated June 2010, prepared by Anchor QEA, LLC (Anchor) and provided in Appendix A;
- The *Wastewater Treatment, Monitoring, and Discharge Plan, Slag Disposal/Beckwith Property, Water Remediation System, 88th Avenue South and South 218th Street, Kent, Washington* dated December 4, 2009, prepared by Farallon (2009); and
- The *Stormwater Pollution Prevention Plan for EMJ – Kent Slag Site Cleanup Action, South 218th Street & 88th Avenue South, Kent, Washington 98031* dated August 2010, prepared by Clearcreek Contractors, Inc. of Everett, Washington (Clearcreek) and provided in Appendix B.

4.2 PROJECT PLANNING ACTIVITIES

Project planning activities included obtaining permits necessary to meet state and local requirements. A summary of the required applications submitted, permits obtained, and plans prepared for the cleanup action is provided below.

4.2.1 State Environmental Policy Act Application

A State Environmental Policy Act Environmental Checklist (SEPA Application) was completed for the Site and submitted for Ecology review in April 2010. Ecology issued a Determination of Nonsignificance for this project. A copy of the SEPA Application and the Determination of Nonsignificance are included in the CAWP.

4.2.2 Grading Permit

Farallon submitted a Grade and Fill Permit Application to the City of Kent Permit Center requesting a Regular Grade and Fill Permit for the cleanup action. Grade and Fill Permit No. CNST-2101696GF was issued by the City of Kent on August 11, 2010. A copy of the Grade and Fill Permit is included in Appendix C.

4.2.3 Construction Stormwater General Permit

Construction Stormwater General Permit No. WAR-012518 was issued to EMJ by Ecology on July 21, 2010 for stormwater management during cleanup actions at the Site. This permit included provisions for weekly inspections by a Certified Erosion and Sediment Control Lead, turbidity and pH monitoring of stormwater discharge, monthly discharge monitoring reports, and a Stormwater Pollution Prevention Plan. These provisions were fulfilled by Clearcreek. A complete transfer of permit coverage for the Construction Stormwater General Permit was issued October 1, 2011 to transfer operations from EMJ to Clearcreek. A copy of the permit and transfer of coverage is included in Appendix C.

4.2.4 Wastewater Discharge Authorization

King County Discharge Authorization No. 4170-03 previously issued for the interim action at the Site was revised and extended on September 14, 2010. The maximum daily discharge volume was increased to 60,000 gallons per day to accommodate the additional construction dewatering expected during cleanup activities, and a requirement was added to the permit to self-monitor for settleable solids during the construction phase of the cleanup activities. A copy of King County Discharge Authorization No. 4170-04 is included in Appendix C.

4.2.5 Wetland Buffer Enhancement/Restoration Plan

A portion of the 50-foot protective buffer zone at Wetland I was identified as impacted during slag excavation (Figure 3). Anchor developed a mitigation and monitoring plan to enhance and restore the disturbed wetland buffer by removing invasive species and replanting native vegetation within the disturbed wetland buffer area. The *Wetland Buffer Enhancement/Restoration Plan* (Appendix A) includes scheduled inspections to confirm planting survival and was approved by Ecology and the City of Kent.

5.0 CLEANUP ACTION ACTIVITIES

The cleanup action conducted from August 2010 to July 2011 included the following elements:

- Relocating the water treatment system;
- Clearing and grubbing the areas to be excavated;
- Excavating slag throughout the Site;
- Restoring the Site with stockpiled overburden and imported fill; and
- Conducting four surface water compliance monitoring events.

A photographic log depicting the cleanup activities conducted at the Site is provided in Appendix D.

Clearcreek was engaged by EMJ to implement the cleanup action. Farallon provided observation and sampling throughout the cleanup action to guide and document the cleanup action activities, including performance soil and surface water sampling and field analysis, and compliance surface water sampling and analysis. Additional subcontractors were retained as necessary to provide technical support for specific cleanup action activities. Description of Site preparation activities, the cleanup action, and additional technical support roles are provided below.

5.1 SITE PREPARATION

Site preparation activities included water treatment system relocation, pre-excavation test pits, Site survey and sample control grid layout, Site mobilization, access road construction, slope protection, temporary erosion control, Site clearing, underground utility marking, and pre-construction meetings. Each of the Site preparation activities is described below. A summary of the weekly meetings conducted and the monthly progress reports prepared during the course of the cleanup action also are included in this section.

5.1.1 Water Treatment System Relocation

The water treatment system was modified and relocated to the northwest corner of the Site to permit slag excavation activities to proceed unimpeded. The 20,000-gallon tank was replaced with two 10,000-gallons tanks at a location approved by the project geotechnical engineering consultant, Patrick Harron & Associates, Inc. Geotechnical approval was necessary due to proximity to the steep slope at the west side of the Site. The water treatment system operated throughout slag excavation activities and initial Site restoration activities to ensure that water discharge requirements were met.

5.1.2 Pre-Excavation Test Pits

Farallon completed four test pit excavations during August 2010 prior to Clearcreek mobilization to the Site to test pH sampling methods, identify lithology, further delineate the extent of slag thickness and placement, and locate the polyethylene liner along the east side of the Site. Field

screening activities consisted of visual observation of slag and liner. Test pit logs are provided in Appendix E.

5.1.3 Site Survey and Sample Control Grid Layout

A 2-foot contour interval topographic survey of the Site was completed by PLS, Inc. of Issaquah, Washington (PLS) in 2009 for use in Site control. The estimated extent of excavation was located and staked at the Site by PLS on August 9, 2010. Field personnel established a 25- by 25-foot grid on the Site to identify soil and surface water sample locations for performance and compliance samples collected during the excavation activities. The 25- by 25-foot grid was marked with stakes and alphanumeric identifiers on August 16 and 17, 2010. The grid was maintained by Farallon throughout the course of the soil and surface water sampling activities and was extended along the south access road as required for slag material discovered outside the estimated excavation area.

PLS performed periodic surveys of the excavation to determine the amount of soil volumes excavated at the Site. PLS conducted the final survey and prepared an as-built drawing showing the final Site grades (Appendix F).

5.1.4 Site Mobilization

Site mobilization initiated by Clearcreek on August 11, 2010 included location of the office trailer adjacent to the relocated water treatment system, construction of employee parking at the northwest end of the Site, installation of a truck decontamination facility at the southwest limit of the estimated excavation area, and installation of two personnel decontamination facilities at the construction trailer adjacent to the water treatment equipment and at the south end of the Site. The Site was partially fenced, and gated access was established at both the north and south ends of the Site. Signs were placed at the west and north perimeters of the Site to notify the public regarding Site background and activities, contact information, and sources of additional information. Fact sheets were also made available at the two sign locations.

5.1.5 Access Road Construction

To facilitate Site excavation activities, an access road was constructed from the existing Site access at 90th Avenue South to the construction entrance established at South 218th Street at the north end of the Site.

5.1.6 Critical Slope Area Protection

Slope protection areas were staked and marked to prevent disturbance of the steep slope areas (slopes greater than 40 percent) east and west of the Site. A 30-foot setback from the steep slope on the west side of the Site was marked "No Stockpile Area" to prevent impacts to the slope from excessive loading. A 15-foot setback from the eastern edge of the estimated excavation area was denoted "Excavation Caution Area" where excavation was monitored by a geotechnical engineer to prevent potential threats to the steep slope above.

5.1.7 Temporary Erosion Control

Temporary erosion control was established adjacent to excavation areas to control surface water run-on and runoff in accordance with the Stormwater Pollution Prevention Plan prepared by Clearcreek (Appendix B). Best Management Practices implemented for temporary erosion control included filter fencing where disturbance of surface soil met existing drainage along the perimeter of the Site, and wattles and hay bales as sediment filters for stormwater runoff at select locations. The City of Kent conducted an erosion control inspection on August 18, 2010 and approved commencement of grading work. A Certified Erosion and Sediment Control Lead performed weekly visits to assess the performance of erosion control practices.

5.1.8 Site Clearing

Clearing and grubbing of vegetation was initiated by Clearcreek on August 6, 2010 to facilitate placement of filter fencing where slag removal was anticipated. The material generated during the clearing and grubbing was shredded and disposed of off the Site.

5.1.9 Underground Utility Marking

When slag was discovered beyond the projected footprint, beneath and adjacent to the south access road (Figure 2), underground utilities along 90th Avenue South were located and marked by public and private utility locating services. Clearcreek maintained and re-marked underground utilities in this additional excavation area as necessary during the course of the cleanup action.

5.1.10 Pre-Construction Meetings

A series of pre-construction meetings were held between July and August 2010 that included representatives from Anchor, the City of Kent, Clearcreek, Ecology, and Farallon. Topics covered during the pre-construction meetings included project roles and responsibilities, work scheduling, key project planning documents and permits, contract procedures such as testing and inspection requirements, submittals, change orders, invoicing, and documentation. The pre-construction meetings included review and discussion of Site-specific health and safety issues for both on-Site personnel and visitors, and discussion of decontamination procedures.

5.1.11 Weekly Meetings

Weekly construction meetings between representatives of Clearcreek and Farallon were held on the Site during the course of the cleanup action. Weekly meetings included review of Site security measures, health and safety issues, update and discussion of current work in progress, City of Kent inspections, discharge permit requirements, confirmation sampling, change order requests and status, and the project schedule looking forward. Copies of weekly meeting notes are maintained in the Farallon project file.

5.1.12 Monthly Progress Reports

Summaries of the weekly meetings were compiled into monthly progress reports. In accordance with the Consent Decree, monthly progress reports were submitted to Ecology for review and courtesy copies were provided to the City of Kent. Copies of the monthly progress reports are included in Appendix G.

5.2 SOIL AND SLAG EXCAVATION

The cleanup action included excavation of secondary steel slag in accordance with the CAWP and the Construction Plans and Specifications. The results of visual observation and soil sampling conducted during the excavation revealed slag extending beyond the estimated projected limits, including:

- At depths greater than projected;
- Beneath the construction access road from 90th Avenue South to the projected limit of the slag footprint and into the buffer area of Wetlands M and N;
- Beyond the northern edge of the projected footprint; and
- Beyond the liner installed during an earlier interim action along the eastern edge of the Site.

Slag was removed in a phased approach, with excavation from east to west and from south to north. Construction haul roads were relocated and built on the Site as necessary to access underlying slag. Trucks entered the Site at the north end from South 218th Street and exited the Site at the south end onto 90th Avenue South after passing through the wheel-wash decontamination facility.

5.2.1 Temporary Soil Stockpiling

Approximately 6 inches of topsoil and 2 to 3.5 feet of overburden soil were stripped and temporarily stockpiled during the cleanup action to provide for construction sequencing. Stockpiled overburden was sampled and confirmed to be below the regulatory limit of 8.5 for pH and suitable for reuse during Site restoration. Temporary soil stockpiles were protected with reinforced plastic sheeting secured with staked sandbags as part of the Site decontamination and erosion control procedures in place at the Site.

5.2.2 Slag Excavation

Slag excavation was initiated on August 23 and completed on November 16, 2010. Slag was removed until the underlying native soil was encountered, based on visual evidence. The visual evidence of slag included:

- Granular, coarse-grained to sand-size material;
- Dense, concrete-like cobbles;
- White powder or large porous black cobbles; and
- Debris such as concrete, bricks, or rebar.

Soil samples were collected from the native silty soil when visual evidence confirmed that the slag had been removed, tested for pH, and compared to the IHS performance level of 8.5 for pH. If the performance level was exceeded, additional soil was removed and the soil was re-sampled and tested.

Slag excavation depths as shown on Figure 2 ranged:

- From 3 to 13 feet bgs at its northern point;
- From 6 to 11 feet bgs along its western edge;
- Up to 18 feet bgs in its center;
- From 1.5 to 7.5 feet bgs at its southern point and beneath the construction access road from 90th Avenue South; and
- From 5.5 to 8 feet bgs along its eastern limit.

Portions of the excavation along the eastern limit of slag extended into the excavation caution area where uncontrolled excavation could potentially threaten the steep slope above. Work was overseen by the project geotechnical engineering consultant. Slot cuts perpendicular to the slope and approximately 25 feet wide were made, one at a time, in these areas to limit landslide events and fill material was immediately placed to restore the area. This limited the area below the slope open at any one time.

The interceptor drain, the remaining portions of the liner, and the clay barrier along the eastern limit of the former slag were maintained and currently remain on the Site (Figure 2). Portions of the liner were removed as required to access slag (Figure 2). Slag beneath the culvert draining the detention pond at South 218th Street was removed and the culvert was rebuilt.

Slag was excavated beneath the southern construction access road from 90th Avenue South and in Wetlands M and N.

A total of 58,337.64 tons of slag was excavated between August 23 and November 16, 2010 and disposed of off the Site.

5.2.3 Water Treatment System Operation

The excavation was dewatered as necessary and construction stormwater and perched groundwater were monitored, treated, and batch-discharged through the on-Site water treatment system to the King County sanitary sewer system under Construction Stormwater General Permit No. WAR-012518 and King County Wastewater Discharge Authorization No. 1470-04. The discharged water was monitored for pH, turbidity, and settleable solids during construction activities.

The high-pH seep water captured in sumps 1 through 4 at the north and northwest ends of the Site was also treated and discharged during the excavation activities. Revisions were made to sump 3 on September 24, 2010 to eliminate surface water discharge to South 218th Street near the northern construction access road. The existing sump was removed and a new, deeper sump was installed. The installation was satisfactory and surface water discharge ceased at this location. Seep water collection and treatment was discontinued on January 10, 2011, 2 months after slag removal was completed. Approximately 1,032,591 gallons of water with pH ranging from 6.02 to 12.40 was treated and discharged to the City of Kent sanitary sewer system between August 1, 2010 and February 15, 2011.

5.2.4 Site Decontamination

The truck wheel wash was operated during the first several weeks of excavation operations. However, use of the wheel wash resulted in silty water sediments being tracked onto 90th Avenue South by haul trucks. To eliminate off-Site impacts, use of the truck wheel wash was discontinued and the construction access road was upgraded to eliminate contact between truck wheels and site soils. The access road was upgraded by installing a layer of geotextile fabric across the road and placing clean, coarse rock on the fabric. In addition, 90th Avenue South and South 218th Street were swept daily during slag loading and off-Site disposal.

5.3 WASTE MANAGEMENT

The slag was a solid waste that met the definition of "Special Waste" with a Conditional Exclusion of a Special Waste as discussed in the CAWP. The excavated slag was loaded into trucks, transported to an intermodal facility in Seattle, Washington, and shipped by railcar to a permitted landfill. Before leaving the Site, the loads were inspected to ensure that no free liquids were present in the truck.

Two permitted landfill facilities were used for slag disposal: the Waste Management Hillsboro Landfill and the Allied Waste Services Roosevelt Regional Landfill. Slag disposed of by Waste Management was transported to the Alaska Street Reload Facility in Seattle, Washington and then shipped to the Hillsboro Landfill in Hillsboro, Oregon. Slag disposed of by Allied Waste Services was transported to the Allied Waste Transfer Station in Seattle, Washington and then shipped to the Roosevelt Regional Landfill in Roosevelt, Washington. Approximately 58,337.64 tons of slag was disposed of, with 35,913.11 tons managed by Waste Management and 22,424.53 tons managed by Allied Waste Services (Table 1). Disposal documentation is provided in Appendix H. Individual truckload waste disposal receipts are maintained in the Farallon project file and are available upon request.

Other waste generated during the cleanup action was removed from the Site for disposal. Specific materials and disposal practices include the following:

- Wastewater generated from the truck wheel wash was treated using the on-Site water treatment system;
- Sediments generated from the truck wheel wash were collected on-Site and periodically disposed of as refuse at either of the two permitted landfills;
- Gloves, plastic sheeting, and other disposable protective materials used by construction workers, oversight personnel, and visitors were collected on-Site and periodically disposed of as refuse at either of the two permitted landfills; and
- Above-grade woody debris and vegetation were chipped and disposed of off-Site by Gilliardi Logging and Construction of Elbe, Washington at their recycle facility in Olympia, Washington.

6.0 COMPLIANCE MONITORING

Compliance monitoring was performed in accordance with the requirements of WAC 173-340-410 to address protection, performance, and confirmation monitoring. The specific requirements for monitoring the cleanup action were presented in the CAWP. A summary of the soil, air, and surface water monitoring conducted as part of the cleanup action is presented below.

6.1 SOIL MONITORING

This section presents the soil performance and confirmation monitoring procedures implemented for the cleanup action, the field-test results of performance and confirmation monitoring, and the quality control procedures followed during the cleanup action. The purpose of the soil monitoring conducted during the cleanup action was to confirm that the cleanup objectives for the excavation areas were attained.

6.1.1 Performance Monitoring

The results of performance soil monitoring were used to guide the overburden removal and lateral and vertical extent of slag and soil excavation to attain the cleanup standards. Soil with pH exceeding 8.5 was selected as the IHS for analysis of soil samples to guide the extent of the excavation. Performance monitoring included field testing using an Oakton 310 Series hand-held pH meter. Copies of performance soil sampling results are maintained in the Farallon project file.

Calibration and verification checks of the pH meter were performed daily in accordance with the manufacturer's instructions and as outlined in the CAWP. The pH meter was calibrated at the beginning of each day, and calibration verification was performed after every 10 samples and at the end of each day. Calibration and verification checks were performed using standard buffer solutions that were replaced monthly. Copies of the calibration logs are maintained in the Farallon project file.

6.1.2 Confirmation Monitoring

Confirmation soil monitoring was conducted to confirm that slag and soil with pH greater than 8.5 had been removed. Confirmation soil samples were collected in accordance with the CAWP from the bottom layer of the overburden, grid cells, and sidewalls of the excavation and were tested in the field using the pH meter. The overburden, grid cell, and sidewall sampling procedures are summarized below.

6.1.2.1 Overburden

Test pits were excavated prior to removal of the overburden and a soil sample was collected from the test pit wall at the lower limit of the overburden based on visual inspection. The soil sample was field-tested for pH using the pH meter. Where field testing indicated that pH concentrations were below 8.5, the depth was noted and staked and the overburden was stripped and stockpiled.

6.1.2.2 Grid Cells

Confirmation soil samples were collected from the excavation using the 25- by 25-foot grid established across the excavation. A discrete soil sample was collected from the surface at the center of each cell for field-testing for pH using the pH meter.

6.1.2.3 Sidewalls

Sidewall samples were collected from the limits of excavation using the 25- by 25-foot grid established across the excavation. Discrete soil samples were collected from the top, middle, and bottom thirds of the vertical profile of the sidewall along lines on 25-foot centers or less and were field-tested for pH using the pH meter.

6.1.3 Field Testing

The confirmation soil samples were field-tested for pH following a procedure in general accordance with EPA Method 9045D. Field-testing procedures were conducted in accordance with those outlined in the CAWP. Data review and validation were performed by the Farallon Project Manager and Project QA/QC Officer.

6.1.4 Results

The pH levels were below 8.5 in the 520 confirmation soil samples collected across the excavation. The confirmation soil sample locations are shown on Figure 5 and a summary of confirmation soil sample field-test results is presented in Table 2.

6.1.5 Quality Control Samples

Quality control soil samples were collected in accordance with the quality assurance/quality control protocols presented in the CAWP. The pH levels were below 8.5 in the 32 duplicate confirmation soil samples collected and tested for pH for quality control purposes for the cleanup action.

6.2 AIR MONITORING

This section presents the results of air monitoring and sampling performed during excavation. The objectives of the air monitoring and sampling were to document that workers were not exposed to lime dust or nuisance dust above permissible exposure limits, and that dust mitigation measures were effective in preventing dust migration off the Site.

6.2.1 Personal Air Monitoring

Air samples were collected from the breathing zone of the worker with the greatest exposure to construction operations that generated dust during excavation activities, and were submitted for laboratory analysis for calcium as $CaCO_3$ and total particulates using National Institute for Occupational Safety and Health (NIOSH) Method 7300 (Modified) and NIOSH Method 0500 (Modified). The results of the air sampling did not indicate concentrations of calcium or total particulates above the laboratory method reporting limit in the samples collected. The air

sampling results are summarized in Table 3 and the analytical laboratory results are provided in Appendix I.

6.2.2 Perimeter Air Monitoring

Perimeter air monitoring was performed to confirm that Clearcreek dust control methods were effective in preventing off-Site migration of dust generated from construction operations. Hourly visual monitoring of dust was performed at the perimeter of the Site both upwind and downwind of construction operations. Slight visible dust was noted downwind of the Site on three occasions. Water spray was implemented to reduce airborne dust levels. Copies of the visible dust monitoring logs are maintained in the Farallon project file.

6.3 SURFACE WATER MONITORING

This section presents the surface water performance and compliance monitoring procedures implemented for the cleanup action; the field-test results of performance and compliance monitoring; and the quality control procedures followed during the cleanup action. The purpose of the surface water monitoring conducted during the cleanup action was to assess whether the cleanup objectives for the excavation areas being achieved.

6.3.1 Performance Monitoring

Surface water was monitored daily during excavation activities at the five perimeter locations listed in Section 3.3, Points of Compliance, and shown on Figure 4. Performance monitoring included field-testing using an Oakton 310 series handheld pH meter. The performance surface water sampling results are presented in Table 4.

On September 3, 2010, surface water with pH exceeding 8.5 was recorded at the southwest corner of the Site at location SW-5. Clearcreek had allowed water from the Site to run into the ditch. The surface water was collected, treated on-Site in the water treatment system, and discharged to the sanitary sewer system until sampling confirmed the pH was below 8.5. Corrective measures were taken to prevent water from discharging to the ditch at the southwest corner of the Site.

In addition, the pH of standing surface water that accumulated within the excavation area was tested prior to treatment and/or discharge. No standing surface water with pH exceeding 8.5 was discharged from the Site. Copies of standing surface water sampling results are maintained in the Farallon project file.

Calibration and verification checks of the pH meter were discussed in Section 6.1.1, Performance Monitoring.

6.3.2 Compliance Monitoring

Compliance surface water monitoring was conducted following completion of the excavation activities to assess whether the cleanup levels for pH in surface water were met at the five points of compliance identified in Section 3.3, Points of Compliance. Compliance surface water sample

collection was initiated in November 2010 after completion of the excavation activities and continued in three series at intervals of at least 6 weeks. Samples were collected following significant rain events (i.e., greater than 0.1 inches in 24 hours) from the five perimeter locations and tested in the field using the pH meter. Data review and validation were performed by the Farallon Project Manager and Project QA/QC Officer.

6.3.3 Compliance Sampling Results

The pH levels were below 8.5 in the 20 compliance surface water samples collected at the five perimeter locations. A summary of compliance surface water sample field-test results is presented in Table 5.

6.3.4 Quality Control Samples

A quality control surface water sample was collected in accordance with the quality assurance/quality control protocols presented in the CAWP. The pH level was below 8.5 in the one duplicate confirmation surface water sample collected and tested for pH for quality control purposes for the cleanup action.

7.0 SITE RESTORATION

This section describes the restoration activities conducted at the Site following completion of the excavation. Site restoration was accomplished in a phased approach over several months as weather permitted.

7.1 BACKFILL

Following slag removal and soil confirmation sampling, the excavation was backfilled with stockpiled overburden material and imported fill material. Approximately 4,500 tons of imported fill was brought in and used as slope stabilization for the culvert excavation northwest of the detention pond and as backfill for:

- The western perimeter;
- The slot cuts along the eastern perimeter of the Site in the excavation caution area; and
- The 50-foot buffer area around Wetland I.

Backfill was placed in 1-foot loose lifts and compacted to a minimum of 85 percent of maximum density as determined by the standard Proctor compaction test (ASTM D698). Compaction was verified by Mayes Testing Engineers, Inc. of Tacoma, Washington and test results are provided in Appendix J.

7.2 SITE DRAINAGE

Following backfill placement, the area impacted by construction was graded to drain. The final grades on the southern portion of the Site were consistent with design grades as detailed in the Construction Plans and Specifications. The final grades on the northern end of the Site varied from design grades due to changes in estimated excavation quantities.

To accommodate the final grades on the northern portion of the Site, Farallon developed a revised restoration plan that included installing a culvert, landscaping the wetland buffer areas, and hydroseeding the Site at its current grade. The plan was submitted to the City of Kent and approved on December 9, 2010. A 24-inch diameter culvert was installed through the 50-foot buffer surrounding Wetland I to drain the northern portion of the Site into the detention pond. Culvert details are provided in Appendix K. The culvert was installed January 26, 2011 and plugged to permit Site surface water to be collected, tested, and discharged through the water treatment system to the King County sanitary sewer system. The pH of the standing water was field-tested over a 2-month interval to assess whether the cleanup action objective had been met. The pH of the standing water did not exceed 8.5 during the two months. The culvert plug was removed on February 15, 2011, allowing surface water from the northern portion of the Site to drain into the detention pond. Copies of standing surface water sampling results are maintained in the Farallon project file.

The culvert at the north end of the Site that drains the detention pond was reconstructed to match pre-existing conditions following slag excavation. No other Site drainage features were impacted by excavation or construction activities.

7.3 WETLAND BUFFER AREA RESTORATION

Slag was excavated from the buffer area of Wetland I and the buffer area of Wetlands M and N. These areas were restored in accordance with the *Wetland Buffer Enhancement/Restoration Plan* dated June 2010 and the letter regarding Beckwith Property Slag Site Remediation, Wetland M and N Buffer Work dated November 14, 2010, both prepared by Anchor (Appendix A). During the final week of January 2011, approximately 398 tons of imported fill material was used to rebuild the disturbed buffer area surrounding Wetland I. A cottonwood tree in Wetland M that suffered root damage during slag excavation was cut down and placed in the buffer restoration area of Wetland I. In early February 2011, topsoil supplied by Cedar Grove Composting, Inc. of Maple Valley, Washington was placed in the disturbed buffer areas of Wetlands I, M, and N and inspected by the City of Kent.

Plants were delivered on February 16, 2011, inspected by Anchor personnel, and planted by Double Eagle Landscape of Woodinville, Washington in accordance with the buffer restoration plans. The following trees, shrubs, and groundcover were planted in the restored buffer area at Wetland I:

- Trees: Red Alder, Big-leaf Maple, Douglas Fir, and Western Red Cedar;
- Shrubs: Indian Plum, Salmonberry, Nootka Rose, and Snowberry; and
- Groundcover: Western Sword Fern.

Salmonberry was planted in the buffer area of Wetland M. The disturbed portions of the buffer areas of Wetlands M and N were hydroseeded for stabilization. The trees, shrubs, and groundcover received a 4- to 8-inch layer of mulch after planting and the City of Kent performed an inspection of the restored areas in February 2011. The Wetland Buffer Enhancement/Restoration As-Built Report (Wetland Buffer As-Built Report) prepared by Anchor is provided in Appendix L. The City of Kent approval of the Wetland Buffer As-Built Report is also provided in Appendix L.

The restored buffer areas will be monitored once per year for 3 years to demonstrate that intended wetland buffer functions have been achieved. The inspection will assess the percentage of areal cover, plant survival, and cover of invasive species. The first monitoring inspection will occur in summer 2012.

7.4 EROSION CONTROL AND FINAL GRADING

Straw bales and straw wattles were placed across the Site in the winter months to limit erosion impacts prior to final grading in summer 2011. The filter fencing remained in placed at the Site perimeter. In addition, the Site was hydroseeded with a grass/polymer mixture on February 1, 2011 to provide stabilization to surface soil.

Additional grading of the Site was performed on June 30, 2011 to reduce the potential for standing water at the new culvert. Disturbed areas of the Site were hydroseeded on July 1, 2011.

7.5 SITE DEMOBILIZATION

The temporary contractor facilities were decommissioned in January 2011 during the first phase of Site demobilization. The water treatment system was decommissioned and removed on April 18 and 19, 2011. The silt fencing, sample control grid, temporary fencing, and erosion control measures were removed from the Site after final grading in June 2011. Ecology blocks were placed across the northern and southern access roads to prohibit vehicular entrance to the Site from South 218th Street and 90th Avenue South, respectively.

8.0 ADDITIONAL DELIVERABLES

Following submittal of this final Completion and Compliance Monitoring Report, a de-listing petition will be prepared and submitted to Ecology requesting that the Site be removed from the Ecology Confirmed and Suspected Contaminated Sites list.

The need for a restrictive covenant at the Site is no longer applicable, and a request will be submitted to Ecology to remove this institutional control. After public notice and the opportunity for comment, if Ecology concurs, the restrictive covenant will be removed and recorded with the register of deeds for King County.

An easement will be recorded for Wetlands I and M and the buffer areas associated with Wetlands I and M as required by the City of Kent. The easement will be prepared according to City of Kent requirements.

Annual wetland buffer monitoring and inspection reports addressing areal cover percentages, observed plant and wild life species, and plant counts will be submitted to the City of Kent over a 3-year period beginning summer 2012.

9.0 CONCLUSIONS AND CERTIFICATION

The cleanup action has been completed at the Site in accordance with the requirements of the Consent Decree and design documents approved by Ecology and the City of Kent. The cleanup action completed from August 2010 through July 2011 included excavation of 58,337.64 tons of slag and soil with pH exceeding 8.5 from the Slag Disposal Beckwith Property Site in Kent, Washington. The excavated slag and soil were disposed at the Waste Management Hillsboro Landfill facility in Hillsboro, Oregon and the Allied Waste Roosevelt Regional Landfill facility in Roosevelt, Washington. The analytical results for the 520 confirmation soil samples collected from the excavation area confirm that slag and soil with pH exceeding 8.5 was removed and disposed of off the Site.

The analytical results for surface water samples collected during four consecutive monitoring events at the conditional points of compliance surface water sampling locations indicate that the cleanup action objective has been met and no surface water with pH exceeding 8.5 discharges from the Site.

The requirements of the Consent Decree have been met for the Site. Annual inspection of the Wetland Buffer Areas is required for a 3-year period beginning in 2012.

A certification statement from the Professional Engineer attesting to the performance of the cleanup action in substantial compliance with the CAWP is provided in Appendix M.

10.0 REFERENCES

ESA Adolfson. 2006. *South 224th Street Extension Wetland Technical Report.* Prepared for City of Kent. September 21.

Anchor QEA. 2010a. *Wetland Buffer Enhancement/Restoration Plan.* Prepared for Farallon Consulting L.L.C. June.

———. 2010b. Letter Regarding Beckwith Property Slag Site Remediation, Wetland M and N Buffer Work. From Peter Hummel, Project Manager. To Heidi Fischer, Farallon Consulting, LLC. November 14.

Farallon Consulting, L.L.C. (Farallon). 2009a. *Seep Water Investigation.* Prepared for Earle M. Jorgensen Company. August 10.

———. 2009b. *Wastewater Treatment, Monitoring, and Discharge Plan, Slag Disposal/Beckwith Property, Water Remediation System, 88th Avenue South and South 218th Street, Kent, Washington.* Prepared for Earle M. Jorgensen Company, Lynnwood, California. December 4.

———. 2010a. *Cleanup Action Work Plan, Slag Disposal Beckwith Property Site, South 218th Street and 90th Avenue South, Kent, Washington.* Prepared for Earle M. Jorgensen Company, Lynnwood, California. June.

———. 2010b. *Slag Disposal Beckwith Property Site Excavation Project Construction Plans and Specifications, Kent, Washington.* Prepared for Earle M. Jorgensen Company, Lynnwood, California. August.

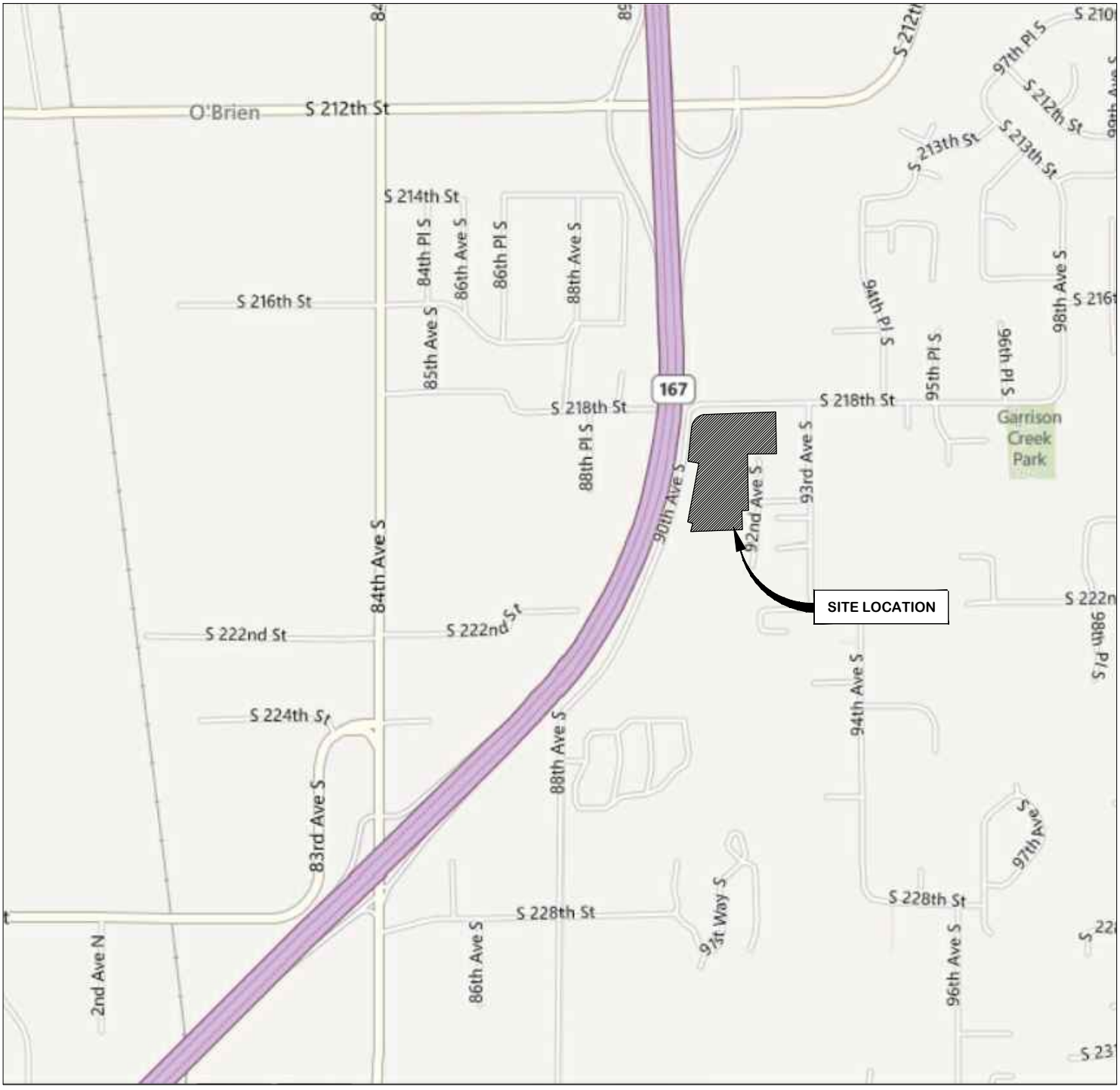
Washington State Department of Ecology. 2007. Letter Regarding Satisfaction of Consent Decree 95-2-15301-1. From Brian S. Sato, P.E., Toxics Cleanup Program. To Gil Leon, Chief Financial Officer, Earle M. Jorgensen Company. October 25.

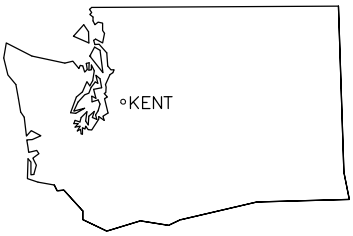
———. 2009a. Memorandum Regarding Slag Disposal, Beckwith Property Cleanup Status. From David South. To File. April 17.

FIGURES

COMPLETION AND COMPLIANCE MONITORING REPORT
Slag Disposal, Beckwith Property Site
South 218th Street and 90th Avenue South
Kent, Washington

Farallon PN: 831-022





WASHINGTON

FARALLON CONSULTING
975 5th Avenue Northwest
Issaquah, WA 98027

FIGURE 1

SITE LOCATION MAP
SLAG SITE
KENT, WASHINGTON

FARALLON PN: 831-022

Drawn By: DEW	Checked By: JP	Date: 3/20/12	Disk Reference: 831022

90TH AVE S

EDGE OF ASPHALT

PLS POINT #8
SET SPIKE
N:151136.68
E:1297011.03

WEST DRAINAGE DITCH

DAM

S. 218TH ST.

APPROXIMATE LIMITS
OF EXCAVATION

INTERCEPTOR DRAIN

DETENTION POND

WETLAND BUFFER RESTORATION AREA

EAST DRAINAGE DITCH

TENNIS COURT

PLS POINT #16
SET HUB & TACK
N:151326.59
E:1297409.40

EXISTING
BUILDING

DECK

℄ STREAM

STANDING
WATER
IN THIS
AREA

LEGEND

- PARCEL BOUNDARY
- CULVERT
- CENTER LINE OF STORM/DRAINAGE DITCH, FLOW DIRECTION
- SS — SANITARY SEWER CONNECTION
- FENCE
- 60 ml HDPE LINER
- LINER REMOVED
- 4" PVC PIPE
- CLAY BARRIER
- PERMEABLE GRAVEL
- SEEP (INTERMITTENT)

APPROXIMATE SLAG THICKNESS IN FEET

- <4'
- 4'-8'
- 8'-12'
- 12'-16'
- <16'

NOTES:

1. TOPOGRAPHIC SURVEY MAP PROVIDED BY PLS, INC. DATED MAY 20, 2009

N

0 60

APPROXIMATE SCALE IN FEET

FARALLON CONSULTING
975 5th Avenue Northwest
Issaquah, WA 98027

FIGURE 2

SITE MAP WITH
LATERAL EXTENT AND
THICKNESS OF EXCAVATED SLAG
SLAG SITE
KENT, WASHINGTON

FARALLON PN: 831-022

Drawn By: DEW	Checked By: AED	Date: 3/20/12	Disk Reference: 831022e

N

M

90TH AVE S

EDGE OF ASPHALT

PLS POINT #8
SET SPIKE
N:151136.68
E:1297011.03

C

WEST DRAINAGE DITCH

DAM

L

C STREAM

APPROXIMATE LIMITS
OF EXCAVATION

INTERCEPTOR DRAIN

WETLAND BUFFER RESTORATION AREA

EAST DRAINAGE DITCH

TENNIS COURT

S. 218TH ST.

I

DETENTION POND

J

PLS POINT #16
SET HUB & TACK
N:151326.59
E:1297409.40

C STREAM

EXISTING
BUILDING

DECK

STANDING
WATER
IN THIS
AREA

D

N

0 60

APPROXIMATE SCALE IN FEET

LEGEND

- PARCEL BOUNDARY
- CULVERT
- CENTER LINE OF STORM/DRAINAGE DITCH, FLOW DIRECTION
- FENCE
- 60 ml HDPE LINER
- LINER REMOVED
- 4" PVC PIPE
- PRELIMINARY WETLAND BUFFER ZONE
- C — WETLAND BOUNDARY
- CLAY BARRIER
- PERMEABLE GRAVEL
- SEEP (INTERMITTENT)

NOTES:

1. TOPOGRAPHIC SURVEY MAP PROVIDED BY PLS, INC. DATED MAY 20, 2009.
2. WETLAND BOUNDARIES WERE PROVIDED IN THE WETLAND TECHNICAL REPORT PREPARED BY ESA ADOLFSON DATED SEPTEMBER 21, 2006.
3. BUFFER ZONE WIDTHS WILL BE CONFIRMED THROUGH THE CITY OF KENT.

FARALLON CONSULTING
975 5th Avenue Northwest
Issaquah, WA 98027

FIGURE 3

SITE MAP WITH
WETLAND BOUNDARIES
SLAG SITE
KENT, WASHINGTON

FARALLON PN: 831-022

Drawn By: DEW	Checked By: AED	Date: 3/20/12	Disk Reference: 831022e

SW-5

SW-1

SW-2

SW-3

SW-4

90TH AVE S

EDGE OF ASPHALT

PLS POINT #8
SET SPIKE
N:151136.68
E:1297011.03

WEST DRAINAGE DITCH

DAM

S. 218TH ST.

APPROXIMATE LIMITS
OF EXCAVATION

INTERCEPTOR DRAIN

WETLAND BUFFER RESTORATION AREA

EAST DRAINAGE DITCH

DETENTION POND

TENNIS COURT

PLS POINT #16
SET HUB & TACK
N:151326.59
E:1297409.40

EXISTING
BUILDING

DECK

℄ STREAM

STREAM

STANDING
WATER
IN THIS
AREA

LEGEND

- SW-4 — SURFACE WATER SAMPLE LOCATION
- PARCEL BOUNDARY
- CULVERT
- CENTER LINE OF STORM/DRAINAGE DITCH, FLOW DIRECTION
- SS — SANITARY SEWER CONNECTION
- FENCE
- 60 ml HDPE LINER
- LINER REMOVED
- 4" PVC PIPE
- CLAY BARRIER
- PERMEABLE GRAVEL
- SEEP (INTERMITTENT)

NOTES:

1. TOPOGRAPHIC SURVEY MAP PROVIDED BY PLS, INC. DATED MAY 20, 2009

N

0 60

APPROXIMATE SCALE IN FEET

FIGURE 4

SITE MAP WITH SURFACE WATER COMPLIANCE SAMPLING LOCATIONS
SLAG SITE
KENT, WASHINGTON

FARALLON PN: 831-022

FARALLON CONSULTING
975 5th Avenue Northwest
Issaquah, WA 98027

Drawn By: DEW	Checked By: AED	Date: 3/20/12	Disk Reference: 831022e

P:\Projects\831 EM\831022 EMJ Slag Site\Drawings_Plots\831-022e.dwg, 3/22/2012 10:39:30 AM

90TH AVE S

EDGE OF ASPHALT

PLS POINT #8
SET SPIKE
N:151136.68
E:1297011.03

WEST DRAINAGE DITCH

DAM

S. 218TH ST.

APPROXIMATE LIMITS OF EXCAVATION

INTERCEPTOR DRAIN

EAST DRAINAGE DITCH

DETENTION POND

TENNIS COURT

EXISTING BUILDING

DECK

STANDING WATER IN THIS AREA

℄ STREAM

PLS POINT #16
SET HUB & TACK
N:151326.59
E:1297409.40

0 60

APPROXIMATE SCALE IN FEET

LEGEND

- A1 ■ BOTTOM SAMPLE
- A13 ● OVERBURDEN AND BOTTOM
- A13 ◉ SIDEWALL SAMPLE
- PARCEL BOUNDARY
- CULVERT
- CENTER LINE OF STORM/DRAINAGE DITCH, FLOW DIRECTION
- FENCE
- 60 ml HDPE LINER
- LINER REMOVED
- 4" PVC PIPE
- CLAY BARRIER
- PERMEABLE GRAVEL

APPROXIMATE SLAG THICKNESS IN FEET

- <4'
- 4'-8'
- 8'-12'
- 12'-16'
- <16'

NOTES:

1. TOPOGRAPHIC SURVEY MAP PROVIDED BY PLS, INC. DATED MAY 20, 2009
2. ALL SAMPLE LOCATIONS ARE APPROXIMATE

FIGURE 5

SITE MAP WITH
SOIL CONFIRMATION SAMPLING LOCATIONS
SLAG SITE
KENT, WASHINGTON

FARALLON PN: 831-022

FARALLON CONSULTING
975 5th Avenue Northwest
Issaquah, WA 98027

Drawn By: DEW	Checked By: AED	Date: 3/20/12	Disk Reference: 831022e

TABLES

COMPLETION AND COMPLIANCE MONITORING REPORT
Slag Disposal, Beckwith Property Site
South 218th Street and 90th Avenue South
Kent, Washington

Farallon PN: 831-022

Table 1
Slag Disposal Summary
Slag Disposal Beckwith Property Site
Kent, Washington
Farallon PN: 831-022

	Waste Management		Allied Waste		Total	
Date	**Loads Received**	**Net Tons**	**Loads Received**	**Net Tons**	**Trucks**	**Total Tons**
8/27/2010	57	1,755.21			57	1,755.21
8/30/2010	53	1,774.67			53	1,774.67
8/31/2010	66	2,063.78	102	3,300.38	168	5,364.16
9/1/2010	88	2,811.10			88	2,811.10
9/2/2010	86	2,718.53	39	1,197.57	125	3,916.10
9/3/2010	44	1,351.25	25	805.54	69	2,156.79
9/7/2010	5	163.89	10	307.61	15	471.50
9/14/2010	88	2,835.35	36	1,142.71	124	3,978.06
9/15/2010	68	2,239.36	4	132.85	72	2,372.21
9/22/2010	2	63.66	2	57.59	4	121.25
9/23/2010	72	2,319.95	37	1,166.71	109	3,486.66
9/24/2010	66	2,112.15	38	1,220.20	104	3,332.35
9/25/2010			76	2,439.43	76	2,439.43
9/27/2010	57	1,892.15	64	2,064.14	121	3,956.29
9/28/2010	29	846.28	17	519.90	46	1,366.18
9/29/2010	1	30.27			1	30.27
9/30/2010	61	1,890.87	37	1,187.08	98	3,077.95
10/1/2010	13	393.65	15	428.91	28	822.56
10/5/2010	17	526.74	1	31.78	18	558.52
10/6/2010	34	1,064.33	12	366.66	46	1,430.99
10/7/2010	41	1,300.86			41	1,300.86
10/8/2010	2	72.46			2	72.46
10/13/2010	43	1,398.63	39	1,246.45	82	2,645.08
10/14/2010	63	2,027.49	50	1,621.15	113	3,648.64
10/15/2010	26	769.28	66	2,050.25	92	2,819.53
10/18/2010	11	329.14	18	544.32	29	873.46
10/19/2010			4	136.63	4	136.63
10/20/2010			6	200.98	6	200.98
10/21/2010			5	160.14	5	160.14
10/27/2010	11	211.69			11	211.69
10/28/2010	18	304.11			18	304.11
10/29/2010	18	317.56			18	317.56
11/1/2010	3	45.50			3	45.50
11/3/2010	14	226.71	5	73.67	19	300.38
11/12/2010			1	21.88	1	21.88
11/15/2010	1	19.18			1	19.18
11/16/2010	2	37.31			2	37.31
Totals	**1,160**	**35,913.11**	**709**	**22,424.53**	**1,869**	**58,337.64**

Total Tons Slag Disposed 58,337.64

Table 2
Summary of Soil Compliance Sampling Results
Slag Disposal Beckwith Property Site
Kent, Washington
Farallon PN: 831-022

Sample Grid	Sample ID	Date	Depth	pH	Type of Confirmation
A1	A1-01-081910	8/19/2010	2.0	7.64	Overburden
A1	A1-04-110310	11/3/2010	1.0	7.80	Sidewall 1
A1	A1-05-110310	11/3/2010	2.0	8.18	Sidewall 2
A1	A1-06-110310	11/3/2010	3.0	7.50	Sidewall 3
A1	A1-03-082310	8/23/2010	4.0	6.59	Bottom
A1	A1-03-110310	11/3/2010	4.5	6.75	Bottom
A2	A2-01-081910	8/19/2010	2.0	7.29	Overburden
A2	A2-03-110310	11/3/2010	2.0	8.01	Sidewall 1
A2	A2-04-110310	11/3/2010	3.0	8.31	Sidewall 2
A2	A2-05-110310	11/3/2010	4.0	8.00	Sidewall 3
A2	A2-06-110310	11/3/2010	4.0	7.60	Bottom
A3	A3-01-091310	9/13/2010	2.5	6.94	Overburden
A3	A3-03-101910	10/19/2010	2.5	6.88	Sidewall 1
A3	A3-04-101910	10/19/2010	4.0	7.21	Sidewall 2
A3	A3-05-101910	10/19/2010	6.0	7.44	Sidewall 3
A3	A3-02-101810	10/18/2010	4.0	6.55	Bottom
A4	A4-01-091310	9/13/2010	2.5	7.36	Overburden
A4	A4-03-101910	10/19/2010	2.5	6.97	Sidewall 1
A4	A4-04-101910	10/19/2010	4.0	7.08	Sidewall 2
A4	A4-05-101910	10/19/2010	6.0	7.09	Sidewall 3
A4	A4-02-101810	10/18/2010	4.0	6.80	Bottom
A5	A5-01-091310	9/13/2010	2.5	7.80	Overburden
A5	A5-03-101910	10/19/2010	2.5	7.24	Sidewall 1
A5	A5-04-101910	10/19/2010	4.5	7.36	Sidewall 2
A5	A5-05-101910	10/19/2010	6.5	7.96	Sidewall 3
A5	A5-02-101810	10/18/2010	6.0	5.90	Bottom
A6	A6-01-091310	9/13/2010	2.5	7.80	Overburden
A6	A6-03-101910	10/19/2010	2.5	7.54	Sidewall 1
A6	A6-04-101910	10/19/2010	4.5	7.67	Sidewall 2
A6	A6-05-101910	10/19/2010	6.5	7.42	Sidewall 3
A6	A6-02-101510	10/15/2010	7.0	8.04	Bottom
A7	A7-02-101510	10/15/2010	7.0	7.47	Bottom
A7	A7-01-091310	9/13/2010	2.5	7.72	Overburden
A7	A7-03-101910	10/19/2010	2.5	7.38	Sidewall 1
A7	A7-04-101910	10/19/2010	4.5	7.44	Sidewall 2
A7	A7-05-101910	10/19/2010	6.5	7.56	Sidewall 3
A8	A8-01-091310	9/13/2010	2.5	7.64	Overburden
A8	A8-03-101910	10/19/2010	2.5	7.21	Sidewall 1
A8	A8-04-101910	10/19/2010	5.0	6.71	Sidewall 2
A8	A8-05-101910	10/19/2010	7.0	6.77	Sidewall 3
A8	FD-A8-05-101910	10/19/2010	7.0	6.74	FD-Sidewall 3
A8	A8-02-101510	10/15/2010	7.0	7.56	Bottom

Table 2
Summary of Soil Compliance Sampling Results
Slag Disposal Beckwith Property Site
Kent, Washington
Farallon PN: 831-022

Sample Grid	Sample ID	Date	Depth	pH	Type of Confirmation
A9	A9-01-091310	9/13/2010	2.5	7.53	Overburden
A9	A9-03-101910	10/19/2010	2.0	6.36	Sidewall 1
A9	A9-04-101910	10/19/2010	4.0	7.10	Sidewall 2
A9	A9-05-101910	10/19/2010	6.0	7.16	Sidewall 3
A9	A9-02-101810	10/18/2010	6.5	6.80	Bottom
A10	A10-01-091310	9/13/2010	2.5	7.68	Overburden
A10	A10-03-101910	10/19/2010	2.0	7.46	Sidewall 1
A10	A10-04-101910	10/19/2010	4.0	7.35	Sidewall 2
A10	A10-05-101910	10/19/2010	6.0	7.37	Sidewall 3
A10	A10-02-101810	10/18/2010	6.5	6.78	Bottom
A11	A11-01-091310	9/13/2010	2.5	7.61	Overburden
A11	A11-02-101810	10/18/2010	5.0	6.80	Bottom
A12	A12-01-091310	9/13/2010	2.5	7.89	Overburden
A12	FD-A12-01-091310	9/13/2010	2.5	7.77	FD-Overburden
A12	A12-02-101810	10/18/2010	5.5	6.54	Bottom
A12	FD-A12-02-101810	10/18/2010	5.5	6.56	FD-Bottom
A13	A13-01-091510	9/15/2010	3.0	7.43	Overburden
A13	A13-02-101810	10/18/2010	7.0	6.68	Bottom
A14	A14-01-091610	9/16/2010	2.5	5.87	Overburden
A14	A14-01-091710	9/17/2010	2.5	7.70	Overburden
A14	A14-02-101810	10/18/2010	7.0	6.85	Bottom
A15	A15-01-091610	9/16/2010	2.5	6.28	Overburden
A15	A15-01-091710	9/17/2010	2.5	6.99	Overburden
A15	A15-02-101510	10/15/2010	7.0	7.48	Bottom
A16	A16-01-092110	9/21/2010	3.0	8.43	Overburden
A16	A16-02-101510	10/15/2010	6.5	6.10	Bottom
A17	A17-01-092110	9/21/2010	3.5	8.21	Overburden
A17	A17-02-101510	10/15/2010	6.5	5.51	Bottom
A18	A18-01-092110	9/21/2010	3.5	7.64	Overburden
A18	A18-02-101510	10/15/2010	8.5	6.35	Bottom
A18	FD-A18-03-101510	10/15/2010	8.5	6.42	FD-Bottom
A19	A19-01-092110	9/21/2010	3.5	8.04	Overburden
A19	A19-02-102010	10/20/2010	6.0	6.09	Bottom
A19	FD-A19-02-102010	10/20/2010	6.0	6.01	FD-Bottom
A20	A20-01-092110	9/21/2010	3.0	6.89	Overburden
A20	A20-03-102110	10/21/2010	8.0	6.83	Bottom
A21	A21-01-092110	9/21/2010	3.0	7.89	Overburden
A21	A21-02-101810	10/18/2010	2.5	6.71	Sidewall 1
A21	A21-04-101810	10/18/2010	5.0	6.86	Sidewall 2
A21	A21-06-101910	10/19/2010	6.0	7.46	Sidewall 3
A21	A21-07-101910	10/19/2010	8.0	7.51	Bottom

Table 2
Summary of Soil Compliance Sampling Results
Slag Disposal Beckwith Property Site
Kent, Washington
Farallon PN: 831-022

Sample Grid	Sample ID	Date	Depth	pH	Type of Confirmation
A22	A22-01-101210	10/12/2010	1.0	7.55	Overburden
A22	A22-02-101210	10/12/2010	1.0	7.03	Sidewall 1
A22	A22-03-101210	10/12/2010	2.0	6.94	Sidewall 2
A22	A22-04-101210	10/12/2010	3.0	7.00	Sidewall 3
A22	A22-05-101210	10/12/2010	4.0	6.88	Bottom
A24	A24-02-110310	11/3/2010	1.0	8.25	Overburden
A24	A24-04-110310	11/3/2010	1.0	7.73	Sidewall 1
A24	A24-05-110310	11/3/2010	1.5	7.20	Sidewall 2
A24	A24-06-110310	11/3/2010	2.0	7.29	Sidewall 3
A24	FD-A24-06-110310	11/3/2010	2.0	7.31	FD-Sidewall 3
A24	A24-03-110310	11/3/2010	2.0	7.74	Bottom
A25	A25-02-102910	10/29/2010	1.0	7.99	Overburden
A25	A25-04-102910	10/29/2010	1.0	7.52	Sidewall 1
A25	A25-05-102910	10/29/2010	2.0	7.91	Sidewall 2
A25	A25-06-102910	10/29/2010	3.0	7.66	Sidewall 3
A25	A25-03-102910	10/29/2010	3.5	7.96	Bottom
B1	B1-01-081910	8/19/2010	2.0	7.45	Overburden
B1	B1-03-110310	11/3/2010	2.0	7.38	Sidewall 1
B1	B1-04-110310	11/3/2010	2.5	8.17	Sidewall 2
B1	B1-05-110310	11/3/2010	3.0	7.44	Sidewall 3
B1	B1-02-101210	10/12/2010	3.0	7.02	Bottom
B1	B1-06-110310	11/3/2010	3.5	7.05	Bottom
B2	B2-01-081910	8/19/2010	2.0	7.47	Overburden
B2	B2-02-092910	9/29/2010	4.5	6.77	Bottom
B3	B3-01-082010	8/20/2010	2.5	5.95	Overburden
B3	B3-01-091110	9/11/2010	2.5	7.79	Overburden
B3	B3-02-092910	9/29/2010	4.5	7.61	Bottom
B4	B4-01-082010	8/20/2010	2.5	5.85	Overburden
B4	B4-01-091110	9/11/2010	2.5	7.40	Overburden
B4	B4-02-092810	9/28/2010	7.0	7.21	Bottom
B5	B5-01-091110	9/11/2010	2.5	7.02	Overburden
B5	B5-02-092810	9/28/2010	7.0	7.14	Bottom
B6	B6-01-091110	9/11/2010	2.5	7.54	Overburden
B6	B6-02-092810	9/28/2010	7.0	7.21	Bottom
B7	B7-01-091110	9/11/2010	2.5	7.47	Overburden
B7	B7-02-0902810	9/28/2010	7.0	7.16	Bottom
B8	B8-01-091110	9/11/2010	2.5	7.77	Overburden
B8	B8-02-092810	9/28/2010	7.0	6.91	Bottom
B9	B9-01-091110	9/11/2010	2.5	8.04	Overburden
B9	B9-02-092810	9/28/2010	9.0	6.80	Bottom
B10	B10-01-091110	9/11/2010	2.5	7.05	Overburden
B10	B10-02-092810	9/28/2010	9.0	6.87	Bottom

Table 2
Summary of Soil Compliance Sampling Results
Slag Disposal Beckwith Property Site
Kent, Washington
Farallon PN: 831-022

Sample Grid	Sample ID	Date	Depth	pH	Type of Confirmation
B11	B11-01-091110	9/11/2010	2.5	7.12	Overburden
B11	B11-02-092810	9/28/2010	9.0	6.91	Bottom
B11	FD-B11-02-092810	9/28/2010	9.0	6.88	FD-Bottom
B12	B12-01-091310	9/13/2010	3.0	7.85	Overburden
B12	B12-02-092910	9/29/2010	14.0	7.37	Bottom
B13	B13-01-091310	9/13/2010	3.0	7.80	Overburden
B13	B13-02-092910	9/29/2010	14.0	6.82	Bottom
B14	B14-01-091610	9/16/2010	2.5	6.97	Overburden
B14	B14-01-091710	9/17/2010	2.5	6.76	Overburden
B14	B14-02-100110	10/1/2010	12.0	6.62	Bottom
B15	B15-01-091710	9/17/2010	2.5	6.93	Overburden
B15	B15-02-100110	10/1/2010	12.0	6.75	Bottom
B16	B16-01-092110	9/21/2010	3.0	7.78	Overburden
B16	B16-02-100110	10/1/2010	12.0	6.59	Bottom
B16	FD-B16-02-100110	10/1/2010	12.0	6.64	FD-Bottom
B17	B17-01-092210	9/22/2010	3.5	7.02	Overburden
B17	B17-02-100510	10/5/2010	9.0	7.06	Bottom
B18	B18-01-092210	9/22/2010	3.5	7.07	Overburden
B18	B18-02-100510	10/5/2010	9.0	7.35	Bottom
B19	B19-01-092210	9/22/2010	3.5	7.36	Overburden
B19	B19-02-100510	10/6/2010	13.0	7.06	Bottom
B20	B20-01-092210	9/22/2010	3.5	8.46	Overburden
B20	B20-02-102010	10/20/2010	7.0	6.37	Bottom
B21	B21-02-100910	10/9/2010	2.5	7.45	Overburden
B21	B21-03-100910	10/9/2010	7.0	7.21	Bottom
B22	B22-01-082410	8/24/2010	2.5	7.57	Overburden
B22	B22-02-101210	10/12/2010	1.0	7.24	Sidewall 1
B22	B22-03-101210	10/12/2010	2.0	7.47	Sidewall 2
B22	B22-04-101210	10/12/2010	3.0	7.40	Sidewall 3
B22	B22-05-101210	10/12/2010	4.0	6.06	Bottom
B22	FD- B22-05-101210	10/12/2010	7.2	7.11	FD-Bottom
C1	C1-01-082010	8/20/2010	2.5	6.72	Overburden
C1	C1-03-110310	11/3/2010	2.5	6.40	Sidewall 1
C1	C1-04-110310	11/3/2010	3.0	6.64	Sidewall 2
C1	C1-05-110310	11/3/2010	3.5	6.81	Sidewall 3
C1	C1-06-110310	11/3/2010	3.5	6.73	Bottom
C1	FD-C1-06-110310	11/3/2010	3.5	6.71	FD-Bottom
C2	C2-01-082010	8/20/2010	2.0	6.82	Overburden
C2	C2-02-092910	9/29/2010	4.5	7.45	Bottom
C3	C3-01-082010	8/20/2010	3.0	5.20	Overburden
C3	C3-02-092910	9/29/2010	4.5	7.24	Bottom
C4	C4-01-082010	8/20/2010	3.0	5.23	Overburden
C4	C4-02-091410	9/14/2010	7.0	6.87	Bottom

Table 2
Summary of Soil Compliance Sampling Results
Slag Disposal Beckwith Property Site
Kent, Washington
Farallon PN: 831-022

Sample Grid	Sample ID	Date	Depth	pH	Type of Confirmation
C5	C5-01-082010	8/20/2010	3.0	5.01	Overburden
C5	C5-02-091410	9/14/2010	8.0	6.95	Bottom
C6	C6-01-082010	8/20/2010	2.5	4.72	Overburden
C6	C6-02-091410	9/14/2010	8.0	7.54	Bottom
C7	C7-01-082010	8/20/2010	3.0	5.24	Overburden
C7	C7-02-091410	9/14/2010	9.0	6.97	Bottom
C8	C8-01-082010	8/20/2010	3.0	7.82	Overburden
C8	C8-02-091510	9/15/2010	10.0	7.00	Bottom
C9	C9-01-082510	8/25/2010	3.0	6.89	Overburden
C9	C9-02-091510	9/15/2010	11.0	7.62	Bottom
C10	C10-01-082510	8/25/2010	2.5	6.15	Overburden
C10	C10-02-091510	9/15/2010	12.0	7.68	Bottom
C11	C11-01-082510	8/25/2010	2.5	5.41	Overburden
C11	C11-02-091510	9/15/2010	14.0	6.74	Bottom
C12	C12-01-082510	8/25/2010	2.5	6.45	Overburden
C12	C12-02-091510	9/15/2010	14.0	7.00	Bottom
C12	FD-C12-02-091510	9/15/2010	14.0	6.97	FD-Bottom
C13	C13-01-082510	8/25/2010	3.0	7.66	Overburden
C13	C13-02-092910	9/29/2010	14.0	7.14	Bottom
C14	C14-01-082510	8/25/2010	3.0	7.35	Overburden
C14	C14-02-092910	9/29/2010	14.0	6.98	Bottom
C15	C15-01-082610	8/26/2010	3.0	7.46	Overburden
C15	C15-02-092910	9/29/2010	13.0	7.00	Bottom
C16	C16-01-082510	8/25/2010	3.0	6.82	Overburden
C16	C16-02-092910	9/29/2010	12.0	7.01	Bottom
C17	C17-01-082510	8/25/2010	3.0	6.74	Overburden
C17	C17-02-100510	10/5/2010	9.0	7.10	Bottom
C18	C18-01-082510	8/25/2010	3.0	7.69	Overburden
C18	C18-02-100510	10/5/2010	9.0	7.24	Bottom
C19	C19-01-082510	8/25/2010	3.0	7.69	Overburden
C19	C19-02-100510	10/6/2010	13.0	6.83	Bottom
C20	C20-01-082510	8/25/2010	3.0	8.41	Overburden
C20	C20-02-100710	10/7/2010	13.0	7.42	Bottom
C21	C21-01-082510	8/25/2010	3.0	7.29	Overburden
C21	FD-C21-01-082510	8/25/2010	3.0	7.70	FD-Overburden
C21	C21-02-100710	10/7/2010	13.0	7.08	Bottom
C22	C22-01-082410	8/24/2010	2.5	7.65	Overburden
C22	C22-02-101210	10/12/2010	3.0	7.07	Bottom

Table 2
Summary of Soil Compliance Sampling Results
Slag Disposal Beckwith Property Site
Kent, Washington
Farallon PN: 831-022

Sample Grid	Sample ID	Date	Depth	pH	Type of Confirmation
C23	C23-01-082410	8/24/2010	2.5	7.92	Overburden
C23	C23-02-100910	10/9/2010	2.5	7.00	Sidewall 1
C23	C23-06-101210	10/12/2010	2.0	7.06	Sidewall 1
C23	C23-03-100910	10/9/2010	3.0	7.48	Sidewall 2
C23	C23-07-101210	10/12/2010	4.0	7.82	Sidewall 2
C23	C23-04-100910	10/9/2010	4.0	7.54	Sidewall 3
C23	C23-08-101210	10/12/2010	7.0	7.15	Sidewall 3
C23	C23-05-100910	10/9/2010	4.5	7.76	Bottom
D2	D2-01-080210	8/20/2010	2.5	4.92	Overburden
D2	D2-02-092910	9/29/2010	2.5	7.98	Sidewall 1
D2	D2-03-092910	9/29/2010	3.5	8.16	Sidewall 2
D2	D2-04-0929-10	9/29/2010	4.5	7.86	Sidewall 3
D2	D2-05-092910	9/29/2010	4.5	6.98	Bottom
D3	D3-01-082010	8/20/2010	3.0	6.33	Overburden
D3	D3-06-092810	9/28/2010	3.0	7.89	Sidewall 1
D3	D3-05-092810	9/28/2010	5.0	7.42	Sidewall 2
D3	D3-04-092810	9/28/2010	7.0	7.21	Sidewall 3
D3	D3-02-092810	9/28/2010	7.5	7.28	Bottom
D3	FD-D3-03-092810	9/28/2010	7.5	7.12	FD-Bottom
D4	D4-01-082010	8/20/2010	3.0	6.69	Overburden
D4	D4-02-090710	9/7/2010	3.0	7.14	Sidewall 1
D4	D4-03-090710	9/7/2010	7.0	7.01	Sidewall 2
D4	D4-04-090710	9/7/2010	9.0	6.96	Sidewall 3
D4	D4-05-090710	9/7/2010	9.5	6.94	Bottom
D5	D5-01-082010	8/20/2010	2.5	6.07	Overburden
D5	D5-05-090710	9/7/2010	9.5	6.87	Bottom
D6	D6-01-082010	8/20/2010	3.0	6.20	Overburden
D6	D6-03-090710	9/7/2010	9.0	7.21	Bottom
D7	D7-01-082010	8/20/2010	2.5	4.89	Overburden
D7	D7-03-090710	9/7/2010	9.0	7.88	Bottom
D8	D8-01-082010	8/20/2010	3.0	5.72	Overburden
D8	D8-02-090810	9/8/2010	9.0	7.80	Bottom
D9	D9-01-082010	8/20/2010	3.0	5.42	Overburden
D9	D9-02-090810	9/8/2010	10.0	7.95	Bottom
D10	D10-01-082510	8/25/2010	2.5	6.75	Overburden
D10	D10-02-091010	9/10/2010	15.0	6.32	Bottom
D11	D11-01-082510	8/25/2010	2.5	6.53	Overburden
D11	D11-02-091010	9/10/2010	15.0	6.39	Bottom
D12	D12-01-082510	8/25/2010	2.5	6.47	Overburden
D12	D12-02-091010	9/10/2010	15.0	7.14	Bottom

Table 2
Summary of Soil Compliance Sampling Results
Slag Disposal Beckwith Property Site
Kent, Washington
Farallon PN: 831-022

Sample Grid	Sample ID	Date	Depth	pH	Type of Confirmation
D13	D13-01-082510	8/25/2010	3.0	8.17	Overburden
D13	D13-02-091010	9/10/2010	14.0	6.32	Bottom
D14	D14-01-082610	8/26/2010	3.0	7.30	Overburden
D14	D14-02-091710	9/17/2010	18.0	6.93	Bottom
D15	D15-01-082610	8/26/2010	3.0	7.62	Overburden
D15	D15-02-091710	9/17/2010	17.0	8.23	Bottom
D16	D16-01-082510	8/25/2010	3.0	7.55	Overburden
D16	D16-02-092910	9/29/2010	11.0	7.40	Bottom
D17	D17-01-082510	8/25/2010	3.0	7.90	Overburden
D17	D17-02-100510	10/5/2010	9.0	6.95	Bottom
D18	D18-01-082510	8/25/2010	3.0	7.77	Overburden
D18	D18-02-100510	10/5/2010	9.0	7.02	Bottom
D19	D19-01-082510	8/25/2010	3.0	7.78	Overburden
D19	D19-04-100710	10/7/2010	3.0	7.81	Overburden
D19	D19-03-100710	10/7/2010	3.0	8.24	Sidewall 1
D19	D19-06-100710	10/7/2010	5.0	8.30	Sidewall 2
D19	FD-D19-06-100710	10/7/2010	5.0	7.19	FD-Sidewall 2
D19	D19-07-100710	10/7/2010	6.0	6.63	Sidewall 3
D19	D19-05-100710	10/7/2010	6.0	7.14	Bottom
D20	D20-01-082510	8/25/2010	3.0	8.12	Overburden
D20	D20-01-100710	10/7/2010	3.0	8.41	Overburden
D20	D20-02-100710	10/7/2010	3.0	6.71	Sidewall 1
D20	D20-03-100710	10/7/2010	5.0	7.90	Sidewall 2
D20	D20-04-100710	10/7/2010	6.0	8.26	Sidewall 3
D20	D20-05-100710	10/7/2010	6.5	7.45	Bottom
D20	FD-D20-05-100710	10/7/2010	6.5	7.48	FD-Bottom
D21	D21-01-100710	10/7/2010	3.0	7.48	Overburden
D21	D21-02-100710	10/7/2010	3.0	7.14	Sidewall 1
D21	D21-03-100710	10/7/2010	6.0	6.89	Sidewall 2
D21	D21-04-100710	10/7/2010	8.0	6.95	Sidewall 3
D21	D21-05-100710	10/7/2010	8.0	7.27	Bottom
D22	D22-01-100810	10/8/2010	5.0	7.13	Overburden
D22	D22-03-100810	10/8/2010	5.0	7.59	Sidewall 1
D22	D22-04-100810	10/8/2010	6.0	7.87	Sidewall 2
D22	D22-06-100810	10/8/2010	7.0	8.29	Sidewall 3
D22	D22-02-100810	10/8/2010	7.0	7.62	Bottom
D23	D23-01-101910	10/19/2010	2.0	6.40	Overburden
D23	D23-02-101910	10/19/2010	2.0	6.54	Sidewall 1
D23	D23-03-101910	10/19/2010	4.0	6.67	Sidewall 2
D23	D23-04-101910	10/19/2010	6.0	6.75	Sidewall 3
D23	D23-05-101910	10/19/2010	7.0	6.65	Bottom

Table 2
Summary of Soil Compliance Sampling Results
Slag Disposal Beckwith Property Site
Kent, Washington
Farallon PN: 831-022

Sample Grid	Sample ID	Date	Depth	pH	Type of Confirmation
E5	E5-01-082010	8/20/2010	3.0	5.34	Overburden
E5	E5-02-090710	9/7/2010	3.0	6.92	Sidewall 1
E5	E5-03-090710	9/7/2010	7.0	6.95	Sidewall 2
E5	E5-04-090710	9/7/2010	9.0	6.97	Sidewall 3
E5	E5-05-090710	9/7/2010	9.5	7.04	Bottom
E6	E6-01-082010	8/20/2010	3.0	4.77	Overburden
E6	E6-03--090710	9/7/2010	3.0	7.10	Sidewall 1
E6	FD-E6-03-090710	9/7/2010	3.0	6.45	FD-Sidewall 1
E6	E6-07-090710	9/7/2010	7.0	7.08	Sidewall 2
E6	E6-08-090710	9/7/2010	9.0	7.02	Sidewall 3
E6	E6-06-090710	9/7/2010	9.5	7.08	Bottom
E6	FD-E6-06-090710	9/7/2010	9.5	7.10	FD-Bottom
E7	E7-01-082010	8/20/2010	3.0	8.34	Overburden
E7	E7-02-090810	9/8/2010	9.0	7.10	Bottom
E8	E8-01-082010	8/20/2010	3.0	5.06	Overburden
E8	E8-02-090810	9/8/2010	10.0	6.90	Bottom
E9	E9-01-082010	8/20/2010	3.0	4.69	Overburden
E9	E9-02-090810	9/8/2010	10.5	7.27	Bottom
E10	E10-01-082510	8/25/2010	2.5	7.08	Overburden
E10	E10-02-090910	9/9/2010	10.5	7.73	Bottom
E11	E11-01-082510	8/25/2010	2.5	7.55	Overburden
E11	E11-02-090910	9/9/2010	10.5	7.58	Bottom
E12	E12-01-082510	8/25/2010	2.5	5.80	Overburden
E12	E12-02-090910	9/9/2010	12.0	7.42	Bottom
E13	E13-01-082510	8/25/2010	2.5	6.97	Overburden
E13	E13-02-091710	9/17/2010	13.0	8.06	Bottom
E14	E14-01-082510	8/25/2010	3.0	7.44	Overburden
E14	E14-02-091710	9/17/2010	16.0	6.84	Bottom
E15	E15-01-082510	8/25/2010	3.0	8.01	Overburden
E15	E15-02-091710	9/17/2010	17.0	6.95	Bottom
E16	E16-01-082510	8/25/2010	3.0	7.97	Overburden
E16	E16-02-092910	9/29/2010	16.0	7.47	Bottom
E17	E17-01-082510	8/25/2010	3.0	7.89	Overburden
E17	E17-02-100510	10/5/2010	9.0	7.07	Bottom
E18	E18-01-082510	8/25/2010	3.0	7.64	Overburden
E18	E18-02-100510	10/5/2010	9.0	7.40	Bottom
E18	FD-E18-02-100510	10/5/2010	9.0	7.47	FD-Bottom
E19	E19-01-100410	10/4/2010	3.0	7.83	Overburden
E19	E19-04-100410	10/4/2010	3.5	7.91	Sidewall 1
E19	E19-02-100410	10/4/2010	13.0	8.18	Sidewall 2
E19	E19-03-100410	10/4/2010	14.0	7.67	Sidewall 3
E19	E19-05-100610	10/6/2010	16.0	6.51	Bottom

Table 2
Summary of Soil Compliance Sampling Results
Slag Disposal Beckwith Property Site
Kent, Washington
Farallon PN: 831-022

Sample Grid	Sample ID	Date	Depth	pH	Type of Confirmation
F7	F7-01-082310	8/23/2010	3.0	6.20	Overburden
F7	F7-02-111810	11/18/2010	7.06	7.04	Sidewall 1
F7	F7-03-090710	9/7/2010	7.0	7.11	Sidewall 2
F7	F7-04-090710	9/7/2010	9.0	6.90	Sidewall 3
F7	FD-F7-04-090710	9/7/2010	9.0	6.89	FD-Sidewall 3
F7	F7-05-090710	9/7/2010	9.5	7.15	Bottom
F8	F8-01-082010	8/20/2010	3.0	5.74	Overburden
F8	F8-03-090810	9/8/2010	3.0	7.87	Sidewall 1
F8	F8-04-090810	9/8/2010	7.0	6.76	Sidewall 2
F8	F8-05-090810	9/8/2010	9.0	6.48	Sidewall 3
F8	F8-02-090810	9/8/2010	9.5	6.92	Bottom
F9	F9-01-082010	8/20/2010	3.0	5.67	Overburden
F9	F9-02-090810	9/8/2010	11.0	7.10	Bottom
F10	F10-01-082010	8/20/2010	2.5	5.41	Overburden
F10	F10-02-090810	9/8/2010	11.0	7.07	Bottom
F11	F11-01-082010	8/20/2010	3.0	8.24	Overburden
F11	F11-02-090810	9/8/2010	11.0	7.78	Bottom
F12	F12-01-082010	8/20/2010	3.0	6.73	Overburden
F12	F12-02-090810	9/8/2010	11.0	7.01	Bottom
F13	F13-01-082310	8/23/2010	2.5	7.13	Overburden
F13	F13-02-090810	9/8/2010	12.0	7.91	Bottom
F14	F14-01-082310	8/23/2010	2.5	8.08	Overburden
F14	F14-02-090810	9/8/2010	13.0	7.25	Bottom
F15	F15-01-082310	8/23/2010	2.5	7.95	Overburden
F15	F15-02-091710	9/17/2010	11.0	6.84	Bottom
F16	F16-01-082310	8/23/2010	2.5	7.64	Overburden
F16	F16-02-092910	9/29/2010	11.0	7.51	Bottom
F17	F17-01-082310	8/23/2010	2.5	5.76	Overburden
F17	F17-02-092910	9/29/2010	2.5	7.38	Sidewall 1
F17	F17-03-092910	9/29/2010	4.5	7.35	Sidewall 2
F17	F17-04-092910	9/29/2010	9.0	7.53	Sidewall 3
F17	F17-05-092910	9/29/2010	9.0	7.55	Bottom
F17	FD-F17-05-092910	9/29/2010	9.0	7.43	FD-Bottom
F18	F18-01-082310	8/23/2010	2.5	6.78	Overburden
F18	F18-03-100410	10/4/2010	3.5	7.61	Sidewall 1
F18	F18-04-100410	10/4/2010	6.0	7.56	Sidewall 2
F18	F18-05-100410	10/4/2010	8.0	7.54	Sidewall 3
F18	F18-02-100410	10/4/2010	8.0	7.46	Bottom
G8	G8-01-090910	9/9/2010	3.0	7.29	Overburden
G8	G8-03-090910	9/9/2010	3.0	7.38	Sidewall 1
G8	G8-04-090910	9/9/2010	5.0	7.77	Sidewall 2
G8	G8-05-090910	9/9/2010	7.0	7.38	Sidewall 3
G8	G8-02-090910	9/9/2010	7.0	7.43	Bottom

Table 2
Summary of Soil Compliance Sampling Results
Slag Disposal Beckwith Property Site
Kent, Washington
Farallon PN: 831-022

Sample Grid	Sample ID	Date	Depth	pH	Type of Confirmation
G9	G9-01-082010	8/20/2010	3.0	7.66	Overburden
G9	G9-03-090810	9/8/2010	3.0	7.42	Sidewall 1
G9	G9-04-090810	9/8/2010	7.0	7.62	Sidewall 2
G9	G9-05-090810	9/8/2010	10.0	7.96	Sidewall 3
G9	G9-02-090810	9/8/2010	10.0	7.62	Bottom
G10	G10-01-082010	8/20/2010	3.0	5.68	Overburden
G10	G10-03-090810	9/8/2010	3.0	7.60	Sidewall 1
G10	G10-04-090810	9/8/2010	7.0	7.53	Sidewall 2
G10	G10-05-090810	9/8/2010	10.0	8.06	Sidewall 3
G10	FD-G10-05-090810	9/8/2010	10.0	8.06	FD-Sidewall 3
G10	G10-02-090810	9/8/2010	10.0	7.40	Bottom
G11	G11-01-082010	8/20/2010	3.0	6.40	Overburden
G11	G11-02-090810	9/8/2010	10.0	8.41	Bottom
G12	G12-01-082010	8/20/2010	3.0	6.56	Overburden
G12	G12-02-090810	9/8/2010	9.5	7.41	Bottom
G12	FD-G12-02-090810	9/8/2010	9.5	7.43	FD-Bottom
G13	G13-01-082010	8/20/2010	3.0	6.81	Overburden
G13	G13-02-090910	9/9/2010	11.0	6.94	Bottom
G14	G14-01-082310	8/23/2010	2.5	6.81	Overburden
G14	G14-02-090910	9/9/2010	11.0	6.98	Bottom
G15	G15-01-082310	8/23/2010	2.5	6.48	Overburden
G15	G15-02-090910	9/9/2010	11.0	7.24	Bottom
G16	G16-01-082310	8/23/2010	2.5	7.14	Overburden
G16	G16-03-092810	9/28/2010	3.0	6.53	Sidewall 1
G16	G16-04-092810	9/28/2010	4.5	6.46	Sidewall 2
G16	G16-05-092810	9/28/2010	6.0	6.61	Sidewall 3
G16	G16-02-092810	9/28/2010	6.5	6.82	Bottom
H11	H11-01-082010	8/20/2010	2.5	5.24	Overburden
H11	H11-03-090810	9/8/2010	3.0	7.62	Sidewall 1
H11	H11-04-090810	9/8/2010	7.0	7.87	Sidewall 2
H11	H11-05-090810	9/8/2010	9.0	7.18	Sidewall 3
H11	H11-02-090810	9/8/2010	10.0	7.52	Bottom
H12	H12-01-082010	8/20/2010	2.5	5.63	Overburden
H12	H12-03-090910	9/9/2010	3.0	7.55	Sidewall 1
H12	H12-04-090910	9/9/2010	5.0	7.22	Sidewall 2
H12	H12-05-090910	9/9/2010	7.0	7.60	Sidewall 3
H12	H12-02-090910	9/9/2010	8.0	7.20	Bottom
H13	H13-01-082010	8/20/2010	2.5	5.80	Overburden
H13	H13-07-090810	9/8/2010	3.0	7.33	Sidewall 1
H13	H13-03-090810	9/8/2010	7.0	7.13	Sidewall 2
H13	H13-04-090810	9/8/2010	8.0	7.28	Sidewall 3
H13	H13-05-090810	9/8/2010	9.0	7.30	Bottom
H13	FD-H13-05-090810	9/8/2010	9.0	7.32	FD-Bottom

Table 2
Summary of Soil Compliance Sampling Results
Slag Disposal Beckwith Property Site
Kent, Washington
Farallon PN: 831-022

Sample Grid	Sample ID	Date	Depth	pH	Type of Confirmation
H14	H14-01-082310	8/23/2010	2.5	6.73	Overburden
H14	H14-03-090910	9/9/2010	3.0	6.01	Sidewall 1
H14	H14-04-090910	9/9/2010	5.0	7.22	Sidewall 2
H14	H14-05-090910	9/9/2010	6.5	6.39	Sidewall 3
H14	H14-02-090910	9/9/2010	7.0	7.94	Bottom
H15	H15-01-082310	8/23/2010	2.5	5.36	Overburden
H15	H15-03-090918	9/9/2010	2.5	7.66	Sidewall 1
H15	H15-04-090918	9/9/2010	4.0	7.48	Sidewall 2
H15	H15-05-090918	9/9/2010	6.0	7.41	Sidewall 3
H15	FD-H15-05-090910	9/9/2010	6.0	7.46	FD-Sidewall 3
H15	H15-02-090910	9/9/2010	6.0	7.90	Bottom
X26	X26-03-110410	11/4/2010	0.0	8.42	Overburden
X26	X26-05-110410	11/4/2010	0.0	8.43	Overburden
X26	X26-04-110410	11/4/2010	0.5	8.43	Sidewall 1
X26	X26-07-111210	11/12/2010	1.0	8.07	Sidewall 1
X26	X26-08-111210	11/12/2010	1.5	7.97	Sidewall 2
X26	X26-09-111210	11/12/2010	2.0	7.91	Sidewall 3
X26	X26-06-111210	11/12/2010	2.0	7.96	Bottom
X27	X27-04-111610	11/16/2010	0.5	8.19	Overburden
X27	X27-05-111610	11/16/2010	1.0	8.07	Sidewall 1
X27	X27-06-111610	11/16/2010	2.0	8.31	Sidewall 2
X27	X27-07-111610	11/16/2010	2.5	8.14	Sidewall 3
X27	X27-08-111610	11/16/2010	2.5	8.08	Bottom
X27	FD-X27-08-111610	11/16/2010	2.5	8.13	FD-Bottom
Y25	Y25-02-110410	11/4/2010	0.0	7.70	Overburden
Y25	Y25-03-110410	11/4/2010	0.0	8.46	Overburden
Y25	Y25-05-110410	11/4/2010	1.5	8.46	Sidewall 1
Y25	Y25-06-111210	11/12/2010	0.5	7.68	Overburden
Y25	Y25-07-111210	11/12/2010	1.5	8.20	Sidewall 1
Y25	Y25-08-111210	11/12/2010	2.0	8.34	Sidewall 2
Y25	Y25-09-111210	11/12/2010	2.5	8.35	Sidewall 3
Y25	Y25-10-111210	11/12/2010	2.5	8.28	Bottom
Y25	FD-Y25-10-111210	11/12/2010	2.5	8.33	FD-Bottom
Y26	Y26-02-102810	10/28/2010	1.0	8.06	Overburden
Y26	Y26-04-1028/10	10/28/2010	1.0	8.08	Sidewall 1
Y26	Y26-05-102810	10/28/2010	2.0	8.14	Sidewall 2
Y26	Y26-06-102810	10/28/2010	3.0	8.15	Sidewall 3
Y26	Y26-03-102810	10/28/2010	5.0	8.20	Bottom

Table 2
Summary of Soil Compliance Sampling Results
Slag Disposal Beckwith Property Site
Kent, Washington
Farallon PN: 831-022

Sample Grid	Sample ID	Date	Depth	pH	Type of Confirmation
Y27	Y27-03-102810	10/28/2010	1.0	8.22	Overburden
Y27	Y27-05-102810	10/28/2010	1.0	7.97	Sidewall 1
Y27	Y27-06-102810	10/28/2010	3.0	7.38	Sidewall 2
Y27	Y27-07-102810	10/28/2010	4.0	7.76	Sidewall 3
Y27	FD-Y27-07-102810	10/28/2010	4.0	7.76	FD-Sidewall 3
Y27	Y27-04-102810	10/28/2010	5.0	7.75	Bottom
Y28	Y28-01-111510	11/15/2010	0.0	7.12	Overburden
Y28	Y28-02-111510	11/15/2010	2.0	7.50	Sidewall 1
Y28	Y28-04-111510	11/15/2010	3.0	7.37	Sidewall 2
Y28	Y28-05-111510	11/15/2010	3.5	7.23	Sidewall 3
Y28	Y28-06-111510	11/15/2010	3.5	7.26	Bottom
Y28	FD-Y28-06-111510	11/15/2010	3.5	7.27	FD-Bottom
Z11	Z11-05-101910	10/19/2010	2.5	7.99	Overburden
Z11	Z11-01-101910	10/19/2010	2.5	8.15	Sidewall 1
Z11	Z11-02-101910	10/19/2010	4.0	6.89	Sidewall 2
Z11	Z11-03-101910	10/19/2010	6.5	7.16	Sidewall 3
Z11	Z11-04-101910	10/19/2010	6.5	7.28	Bottom
Z12	Z12-05-101910	10/19/2010	2.5	7.01	Overburden
Z12	Z12-01-101910	10/19/2010	2.5	7.03	Sidewall 1
Z12	Z12-02-101910	10/19/2010	4.0	7.20	Sidewall 2
Z12	Z12-03-101910	10/19/2010	6.0	7.29	Sidewall 3
Z12	Z12-04-101910	10/19/2010	6.0	6.85	Bottom
Z13	Z13-05-101910	10/19/2010	2.5	6.67	Overburden
Z13	Z13-01-101910	10/19/2010	2.5	6.68	Sidewall 1
Z13	Z13-02-101910	10/19/2010	4.0	6.39	Sidewall 2
Z13	Z13-03-101910	10/19/2010	6.0	6.48	Sidewall 3
Z13	Z13-04-101910	10/19/2010	6.0	6.60	Bottom
Z14	Z14-01-101910	10/19/2010	2.5	6.75	Overburden
Z14	Z14-02-101910	10/19/2010	2.5	6.73	Sidewall 1
Z14	Z14-03-101910	10/19/2010	4.0	6.83	Sidewall 2
Z14	Z14-04-101910	10/19/2010	6.0	6.64	Sidewall 3
Z14	Z14-05-101910	10/19/2010	6.0	6.85	Bottom
Z14	FD-Z14-05-101910	10/19/2010	6.0	6.67	FD-Bottom
Z15	Z15-01-101910	10/19/2010	2.5	6.64	Overburden
Z15	Z15-02-101910	10/19/2010	2.5	6.54	Sidewall 1
Z15	Z15-03-101910	10/19/2010	4.0	6.50	Sidewall 2
Z15	Z15-04-101910	10/19/2010	6.0	5.84	Sidewall 3
Z15	Z15-05-101910	10/19/2010	6.0	5.95	Bottom
Z15	FD-Z15-05-101910	10/19/2010	6.0	6.09	FD-Bottom
Z16	Z16-01-101910	10/19/2010	2.5	6.41	Overburden
Z16	Z16-02-101910	10/19/2010	2.5	6.36	Sidewall 1
Z16	Z16-03-101910	10/19/2010	4.0	6.42	Sidewall 2
Z16	Z16-04-101910	10/19/2010	6.0	6.97	Sidewall 3
Z16	Z16-05-101910	10/19/2010	6.0	7.07	Bottom

Table 2
Summary of Soil Compliance Sampling Results
Slag Disposal Beckwith Property Site
Kent, Washington
Farallon PN: 831-022

Sample Grid	Sample ID	Date	Depth	pH	Type of Confirmation
Z17	Z14-01-101910	10/19/2010	2.5	7.08	Overburden
Z17	Z17-02-101910	10/19/2010	2.5	7.15	Sidewall 1
Z17	Z17-03-101910	10/19/2010	4.0	6.94	Sidewall 2
Z17	Z17-04-101910	10/19/2010	6.0	6.82	Sidewall 3
Z17	Z17-05-101910	10/19/2010	6.0	6.57	Bottom
Z18	Z18-01-092110	9/21/2010	3.5	7.77	Overburden
Z18	Z18-02-102010	10/20/2010	2.5	6.67	Sidewall 1
Z18	Z18-03-102010	10/20/2010	3.5	6.88	Sidewall 2
Z18	Z18-04-102010	10/20/2010	6.0	5.47	Sidewall 3
Z18	Z18-05-102010	10/20/2010	6.0	6.05	Bottom
Z19	Z19-01-092110	9/21/2010	3.5	7.92	Overburden
Z19	Z19-02-102010	10/20/2010	2.5	6.37	Sidewall 1
Z19	Z19-03-102010	10/20/2010	4.0	6.56	Sidewall 2
Z19	Z19-04-102010	10/20/2010	6.0	6.23	Sidewall 3
Z19	Z19-05-102010	10/20/2010	6.0	6.15	Bottom
Z20	Z20-01-092110	9/21/2010	3.0	7.58	Overburden
Z20	FD-Z20-02-092110	9/21/2010	3.0	7.61	FD-Overburden
Z20	Z20-02-101810	10/18/2010	2.5	6.41	Sidewall 1
Z20	Z20-04-101810	10/18/2010	3.5	6.66	Sidewall 2
Z20	Z20-07-101910	10/19/2010	6.0	7.94	Sidewall 3
Z20	Z20-06-101910	10/18/2010	6.0	6.82	Bottom
Z24	Z24-01-110310	11/3/2010	0.5	8.23	Overburden
Z24	Z24-03-110310	11/3/2010	0.5	8.16	Sidewall 1
Z24	Z24-04-110310	11/3/2010	1.0	8.36	Sidewall 2
Z24	Z24-5-110310	11/3/2010	1.5	7.94	Sidewall 3
Z24	Z24-02-110310	11/3/2010	1.5	7.90	Bottom
Z25	Z25-03-102910	10/29/2010	1.0	8.20	Overburden
Z25	Z25-05-102910	10/29/2010	1.0	8.36	Sidewall 1
Z25	Z25-06-102910	10/29/2010	2.0	7.98	Sidewall 2
Z25	Z25-07-102910	10/29/2010	4.0	7.98	Sidewall 3
Z25	FD-Z25-07-102910	10/29/2010	4.0	7.97	FD-Sidewall 3
Z25	Z25-04-102910	10/29/2010	4.0	7.71	Bottom
Z26	Z26-02-102810	10/28/2010	1.0	7.16	Overburden
Z26	Z26-04-102810	10/28/2010	1.0	6.89	Sidewall 1
Z26	Z26-05-102810	10/28/2010	3.0	6.57	Sidewall 2
Z26	Z26-06-102810	10/28/2010	5.0	6.53	Sidewall 3
Z26	Z26-03-102810	10/28/2010	7.5	6.61	Bottom
Z27	Z27-02-102810	10/28/2010	1.0	8.15	Overburden
Z27	Z27-04-102810	10/28/2010	1.0	7.77	Sidewall 1
Z27	Z27-05-102810	10/28/2010	2.0	8.20	Sidewall 2
Z27	Z27-06-102810	10/28/2010	3.0	7.74	Sidewall 3
Z27	Z27-03-102810	10/28/2010	3.0	7.48	Bottom

Table 3
Summary of Air Monitoring Analytical Results
Slag Disposal Beckwith Property Site
Kent, Washington
Farallon PN: 831-022

Sample Identification	Date Collected	Calcium as $CaCO_3$ [1]			Total Particulates, N.O.R. [2]		
		(µg)	(mg/m^3)	ppm	(µg)	(mg/m^3)	ppm
EMJS-PA-082010-001	8/20/2010	<50.0	<0.0521	<0.0127	<100	<0.104	--
EMJS-PA-082310-02	8/23/2010	<50.0	<0.0521	<0.0127	<100	<0.104	--
EMJS-PA-082410-03	8/24/2010	<50.0	<0.0521	<0.0127	<100	<0.104	--
EMJS-PA-05-082510	8/25/2010	<50.0	<0.0521	<0.0127	<100	<0.104	--
EMJS-PA-05-082610	8/26/2010	<50.0	<0.0521	<0.0127	<100	<0.104	--
EMJS-PA-090310-06	9/3/2010	Missing Sample					
EMJS-PA-090910-007	9/9/2010	<50.0	<0.0694	<0.017	<100	<0.139	--
EMJS-PA-091610-8	9/16/2010	<50.0	<0.0694	<0.017	<100	<0.139	--
EMJS-PA-092310-09	9/23/2010	<50.0	<0.0694	<0.017	<100	<0.139	--
EMJS-PA-093010-10	9/30/2010	<50.0	<0.111	<0.0271	<100	<0.222	--
EMJS-PA-100710-11	10/7/2010	<50.0	<0.0397	<0.00969	<100	<0.0794	--
EMJS-PA-101410-12	10/14/2010	<50.0	<0.0717	<0.0175	<100	<0.143	--
EMJS-PA-102110-13	10/21/2010	<50.0	<0.0794	<0.0194	<100	<0.159	--
EMJS-PA-102810-14	10/28/2010	<50.0	<0.0833	<0.0204	<100	<0.167	--
PEL [3]			**5 [4]**			**5 [5]**	

NOTES:
[1] Analyzed for metals using ICP-AES by NIOSH 7300 (Modified).
[2] Analyzed for total particulates, N.O.R. by NIOSH 0500 (Modified).
[3] Permissible Exposure Limit for 8-hour work period.
[4] Hydrated lime dust PEL established by the NIOSH Pocket Guide to Chemical Hazards, DHHS (NIOSH) Publication No. 2005-149, August 2006.
[5] Nuisance Dust (respirable fraction) PEL established by 29 CFR Part 1910.1000

$CaCO_3$ = calcium carbonate
mg/m^3 = micrograms per meters cubed
µg = micrograms
N.O.R. = not otherwise regulated
ppm = parts per million

Table 4
Summary of Surface Water Performance Sampling Results
Slag Disposal Beckwith Property Site
Kent, Washington
Farallon PN: 831-022

Sample Location	Sample Date	Sample Identification	pH
SW-1	8/20/2010	SW1-01-082010	6.69
SW-1	8/23/2010	SW1-02-082310	7.10
SW-1	8/24/2010	SW1-03-082410	7.56
SW-1	8/25/2010	SW1-04-082510	6.84
SW-1	8/26/2010	SW1-05-082610	6.63
SW-1	8/27/2010	SW1-06-082710	6.45
SW-1	8/30/2010	SW1-07-083010	5.49
SW-1	8/31/2010	SW1-08-083110	6.60
SW-1	9/1/2010	SW1-09-090110	7.54
SW-1	9/2/2010	SW1-10-090210	Dry
SW-1	9/3/2010	SW1-11-090310	Dry
SW-1	9/7/2010	SW1-12-090710	Dry
SW-1	9/8/2010	SW1-13-090810	Dry
SW-1	9/9/2010	SW1-14-090910	Dry
SW-1	9/10/2010	SW1-15-091010	Dry
SW-1	9/11/2010	SW1-16-091110	Dry
SW-1	9/13/2010	SW1-17-091310	Dry
SW-1	9/14/2010	SW1-18-091410	Dry
SW-1	9/15/2010	SW1-19-091510	6.88
SW-1	9/16/2010	SW1-20-191610	7.16
SW-1	9/17/2010	SW1-21-091710	7.26
SW-1	9/18/2010	SW1-22-091810	6.64
SW-1	9/20/2010	SW1-23-092010	6.83
SW-1	9/21/2010	SW1-24-092110	6.70
SW-1	9/22/2010	SW1-25-092210	7.24
SW-1	9/23/2010	SW1-26-092310	7.18
SW-1	9/24/2010	SW1-27-092410	7.06
SW-1	9/25/2010	SW1-28-092510	7.13
SW-1	9/27/2010	SW1-29-092710	7.18
SW-1	9/28/2010	SW1-30-092810	7.42
SW-1	9/29/2010	SW1-31-092910	7.23
SW-1	9/30/2010	SW1-32-093010	7.88
SW-1	10/1/2010	SW1-33-100110	7.67
SW-1	10/4/2010	SW1-34-100410	7.64
SW-1	10/5/2010	SW1-35-100510	7.82
SW-1	10/6/2010	SW1-36-100610	7.80
SW-1	10/7/2010	SW1-37-100710	7.36
SW-1	10/8/2010	SW1-38-100810	7.14
SW-1	10/9/2010	SW1-39-100910	7.60
SW-1	10/11/2010	SW1-40-101110	7.20
SW-1	10/12/2010	SW1-41-101210	7.50
SW-1	10/13/2010	SW1-42-101310	7.35
SW-1	10/14/2010	SW1-43-101410	7.18
SW-1	10/15/2010	SW1-44-101510	7.19
SW-1	10/18/2010	SW1-45-101810	6.74
SW-1	10/19/2010	SW1-46-101910	6.99
SW-1	10/20/2010	SW1-47-102010	6.86
SW-1	10/21/2010	SW1-48-102110	6.57
SW-1	10/22/2010	SW1-49-102210	6.86
SW-1	10/25/2010	SW1-50-102510	7.06

Table 4
Summary of Surface Water Performance Sampling Results
Slag Disposal Beckwith Property Site
Kent, Washington
Farallon PN: 831-022

Sample Location	Sample Date	Sample Identification	pH
SW-1	10/26/2010	SW1-51-102610	6.94
SW-1	10/27/2010	SW1-52-102710	6.82
SW-1	10/28/2010	SW1-53-102810	6.87
SW-1	10/29/2010	SW1-54-102910	7.10
SW-1	11/3/2010	SW1-55-110310	6.86
SW-1	11/3/2010	FD-SW1-55-110310	6.85
SW-1	11/4/2010	SW1-56-110410	7.22
SW-1	11/8/2010	SW1-57-110810	7.17
SW-1	11/9/2010	SW1-58-110910	7.04
SW-1	11/9/2010	FD-SW1-58-110910	7.01
SW-1	11/10/2010	SW1-59-111010	7.15
SW-1	11/10/2010	FD-SW1-59-111010	7.11
SW-1	11/11/2010	SW1-60-111110	7.12
SW-1	11/11/2010	FD-SW1-60-111110	7.10
SW-1	11/12/2010	SW1-61-111210	6.93
SW-1	11/15/2010	SW1-60-111510	6.98
SW-1	11/16/2010	SW1-61-111610	6.92
SW-1	11/18/2010	SW1-63-111810	6.93
SW-1	11/18/2010	FD-SW1-63-111810	6.95
SW-2	8/20/2010	SW2-01-082010	7.15
SW-2	8/23/2010	SW2-02-082310	7.18
SW-2	8/24/2010	SW2-03-082410	7.29
SW-2	8/25/2010	SW2-04-082410	7.65
SW-2	8/26/2010	SW2-05-082610	6.88
SW-2	8/27/2010	SW2-06-082710	7.64
SW-2	8/30/2010	SW2-07-083010	7.51
SW-2	8/31/2010	SW2-08-083110	7.06
SW-2	9/1/2010	SW2-09-090110	7.49
SW-2	9/2/2010	SW2-10-090210	7.25
SW-2	9/3/2010	SW2-11-090310	7.35
SW-2	9/7/2010	SW2-12-090710	7.39
SW-2	9/8/2010	SW2-13-090810	6.88
SW-2	9/9/2010	SW2-14-090910	7.03
SW-2	9/10/2010	SW2-15-091010	6.92
SW-2	9/11/2010	SW2-16-091110	6.84
SW-2	9/13/2010	SW2-17-091310	6.85
SW-2	9/14/2010	SW2-18-091410	6.75
SW-2	9/15/2010	SW2-19-091510	6.72
SW-2	9/16/2010	SW2-20-091610	6.97
SW-2	9/17/2010	SW2-21-091710	6.87
SW-2	9/18/2010	SW2-22-091810	6.84
SW-2	9/20/2010	SW2-23-092010	6.87
SW-2	9/21/2010	SW2-24-092110	6.88
SW-2	9/22/2010	SW2-25-092210	6.78
SW-2	9/23/2010	SW2-26-092310	6.93
SW-2	9/24/2010	SW2-27-092410	6.84
SW-2	9/25/2010	SW2-28-092510	6.86
SW-2	9/27/2010	SW2-29-092710	7.13
SW-2	9/28/2010	SW2-30-092810	6.73
SW-2	9/29/2010	SW2-31-092910	6.88

Table 4
Summary of Surface Water Performance Sampling Results
Slag Disposal Beckwith Property Site
Kent, Washington
Farallon PN: 831-022

Sample Location	Sample Date	Sample Identification	pH
SW-2	9/30/2010	SW2-32-093010	7.17
SW-2	10/1/2010	SW2-33-100110	6.98
SW-2	10/4/2010	SW2-34-100410	6.97
SW-2	10/5/2010	SW2-35-100510	7.08
SW-2	10/6/2010	SW2-36-100610	7.02
SW-2	10/7/2010	SW2-37-100710	7.14
SW-2	10/8/2010	SW2-38-100810	6.86
SW-2	10/9/2010	SW2-39-100910	7.06
SW-2	10/11/2010	SW2-40-101110	7.25
SW-2	10/12/2010	SW2-41-101210	6.98
SW-2	10/13/2010	SW2-42-101310	7.09
SW-2	10/14/2010	SW2-43-101410	6.83
SW-2	10/15/2010	SW2-44-101510	7.06
SW-2	10/18/2010	SW2-45-101810	6.57
SW-2	10/19/2010	SW2-46-101910	6.24
SW-2	10/20/2010	SW2-47-102010	6.51
SW-2	10/21/2010	SW2-48-102110	6.65
SW-2	10/22/2010	SW2-49-102210	6.55
SW-2	10/25/2010	SW2-50-102510	7.02
SW-2	10/26/2010	SW2-51-102610	7.02
SW-2	10/27/2010	SW2-52-102710	7.00
SW-2	10/28/2010	SW2-53-102810	7.09
SW-2	10/29/2010	SW2-54-102910	7.04
SW-2	11/3/2010	SW2-55-110310	6.87
SW-2	11/4/2010	SW2-56-110410	7.00
SW-2	11/8/2010	SW2-57-1100810	6.97
SW-2	11/9/2010	SW2-58-110910	6.97
SW-2	11/10/2010	SW2-59-111010	6.95
SW-2	11/11/2010	SW2-60-111110	7.01
SW-2	11/12/2010	SW2-61-111210	6.67
SW-2	11/15/2010	SW2-60-111510	6.98
SW-2	11/16/2010	SW2-61-111610	6.98
SW-2	11/18/2010	SW2-63-111810	6.91
SW-3	8/20/2010	SW3-01-082010	Dry
SW-3	8/23/2010	SW3-02-082310	Dry
SW-3	8/24/2010	SW3-03-082410	Dry
SW-3	8/25/2010	SW3-04-082510	Dry
SW-3	8/26/2010	SW3-05-082610	Dry
SW-3	8/27/2010	SW3-06-082710	Dry
SW-3	8/30/2010	SW3-07-083010	Dry
SW-3	8/31/2010	SW3-08-083110	Dry
SW-3	9/1/2010	SW3-09-090110	Dry
SW-3	9/2/2010	SW3-10-090210	Dry
SW-3	9/3/2010	SW3-11-090310	Dry
SW-3	9/7/2010	SW3-12-090710	Dry
SW-3	9/8/2010	SW3-13-090810	Dry
SW-3	9/9/2010	SW3-14-090910	Dry
SW-3	9/10/2010	SW3-15-091010	Dry
SW-3	9/11/2010	SW3-16-091110	Dry
SW-3	9/13/2010	SW3-17-091210	Dry

Table 4
Summary of Surface Water Performance Sampling Results
Slag Disposal Beckwith Property Site
Kent, Washington
Farallon PN: 831-022

Sample Location	Sample Date	Sample Identification	pH
SW-3	9/14/2010	SW3-18-091410	Dry
SW-3	9/15/2010	SW3-19-091510	Dry
SW-3	9/16/2010	SW3-20-091610	Dry
SW-3	9/17/2010	SW3-21-091710	Dry
SW-3	9/18/2010	SW3-22-091810	Dry
SW-3	9/20/2010	SW3-23-092010	Dry
SW-3	9/21/2010	SW3-24-092110	Dry
SW-3	9/22/2010	SW3-25-092210	Dry
SW-3	9/23/2010	SW3-26-092310	Dry
SW-3	9/24/2010	SW3-27-092410	Dry
SW-3	9/25/2010	SW3-28-092510	Dry
SW-3	9/27/2010	SW3-29-092710	Dry
SW-3	9/28/2010	SW3-30-092810	Dry
SW-3	9/29/2010	SW3-31-092910	Dry
SW-3	9/30/2010	SW3-32-093010	Dry
SW-3	10/1/2010	SW3-33-100110	Dry
SW-3	10/4/2010	SW3-34-100410	Dry
SW-3	10/5/2010	SW3-35-100510	Dry
SW-3	10/6/2010	SW3-36-100610	Dry
SW-3	10/7/2010	SW3-37-100710	Dry
SW-3	10/8/2010	SW3-38-100810	Dry
SW-3	10/9/2010	SW3-39-100910	Dry
SW-3	10/11/2010	SW3-40-101110	Dry
SW-3	10/12/2010	SW3-41-101210	Dry
SW-3	10/13/2010	SW3-42-101310	Dry
SW-3	10/14/2010	SW3-43-101410	Dry
SW-3	10/15/2010	SW3-44-101510	Dry
SW-3	10/18/2010	SW3-45-101810	Dry
SW-3	10/19/2010	SW3-46-101910	Dry
SW-3	10/20/2010	SW3-47-102010	Dry
SW-3	10/21/2010	SW3-48-102110	Dry
SW-3	10/22/2010	SW3-49-102210	Dry
SW-3	10/25/2010	SW3-50-102510	Dry
SW-3	10/26/2010	SW3-51-102610	Dry
SW-3	10/27/2010	SW3-52-102710	Dry
SW-3	10/28/2010	SW3-53-102810	Dry
SW-3	10/29/2010	SW3-54-102910	Dry
SW-3	11/3/2010	SW3-55-110310	DRY
SW-3	11/4/2010	SW3-56-110410	DRY
SW-3	11/8/2010	SW3-57-110810	DRY
SW-3	11/9/2010	SW3-58-110910	DRY
SW-3	11/10/2010	SW3-59-111010	DRY
SW-3	11/11/2010	SW3-60-111110	DRY
SW-3	11/12/2010	SW3-61-111210	DRY
SW-3	11/15/2010	SW3-60-111510	DRY
SW-3	11/16/2010	SW3-61-111610	DRY
SW-3	11/18/2010	SW3-63-111810	DRY

Table 4
Summary of Surface Water Performance Sampling Results
Slag Disposal Beckwith Property Site
Kent, Washington
Farallon PN: 831-022

Sample Location	Sample Date	Sample Identification	pH
SW-4	8/20/2010	SW4-01-082010	7.09
SW-4	8/23/2010	SW4-02-082310	7.46
SW-4	8/24/2010	SW4-03-082410	7.62
SW-4	8/25/2010	SW4-04-082510	7.68
SW-4	8/26/2010	SW4-05-082610	6.97
SW-4	8/27/2010	SW4-06-082710	7.64
SW-4	8/30/2010	SW4-07-083010	7.63
SW-4	8/31/2010	SW4-08-083110	7.06
SW-4	9/1/2010	SW4-09-090110	7.89
SW-4	9/2/2010	SW4-10-090210	7.10
SW-4	9/3/2010	SW4-11-090310	6.77
SW-4	9/7/2010	SW4-12-090710	6.86
SW-4	9/8/2010	SW4-13-090810	6.80
SW-4	9/9/2010	SW4-14-090910	6.94
SW-4	9/10/2010	SW4-15-091010	6.82
SW-4	9/11/2010	SW4-16-091110	6.72
SW-4	9/13/2010	SW4-17-091310	7.26
SW-4	9/14/2010	SW4-18-091410	6.98
SW-4	9/15/2010	SW4-19-091510	7.12
SW-4	9/16/2010	SW4-20-091610	7.01
SW-4	9/17/2010	SW4-21-091710	7.12
SW-4	9/18/2010	SW4-22-091810	6.84
SW-4	9/20/2010	SW4-23-092010	7.01
SW-4	9/21/2010	SW4-24-092110	6.77
SW-4	9/22/2010	SW4-25-092210	6.81
SW-4	9/23/2010	SW4-26-092310	6.82
SW-4	9/24/2010	SW4-27-092410	6.72
SW-4	9/25/2010	SW4-28-092510	6.69
SW-4	9/27/2010	SW4-29-092710	7.35
SW-4	9/28/2010	SW4-30-092810	6.64
SW-4	9/29/2010	SW4-31-092910	6.70
SW-4	9/30/2010	SW4-32-093010	7.51
SW-4	10/1/2010	SW4-33-100110	6.77
SW-4	10/4/2010	SW4-34-100410	6.85
SW-4	10/5/2010	SW4-35-100510	6.83
SW-4	10/6/2010	SW4-36-100610	6.94
SW-4	10/7/2010	SW4-37-100710	7.22
SW-4	10/8/2010	SW4-38-100810	6.98
SW-4	10/9/2010	SW4-39-100910	7.23
SW-4	10/11/2010	SW4-40-101110	7.05
SW-4	10/12/2010	SW4-41-101210	7.03
SW-4	10/13/2010	SW4-42-101310	7.23
SW-4	10/14/2010	SW4-43-101410	6.84
SW-4	10/15/2010	SW4-44-101510	7.14
SW-4	10/18/2010	SW4-45-101810	6.55
SW-4	10/19/2010	SW4-46-101910	6.30
SW-4	10/20/2010	SW4-47-102010	6.60
SW-4	10/21/2010	SW4-48-102110	6.26
SW-4	10/22/2010	SW4-49-102210	6.49
SW-4	10/25/2010	SW4-50-102510	7.42

Table 4
Summary of Surface Water Performance Sampling Results
Slag Disposal Beckwith Property Site
Kent, Washington
Farallon PN: 831-022

Sample Location	Sample Date	Sample Identification	pH
SW-4	10/26/2010	SW4-51-102610	7.39
SW-4	10/27/2010	SW4-52-102710	7.21
SW-4	10/28/2010	SW4-53-102810	7.19
SW-4	10/29/2010	SW4-54-102910	7.24
SW-4	11/3/2010	SW4-55-110310	7.26
SW-4	11/4/2010	SW4-56-110410	7.42
SW-4	11/4/2010	FD-SW4-56-110410	7.40
SW-4	11/8/2010	SW4-57-110810	7.24
SW-4	11/9/2010	SW4-58-110910	6.94
SW-4	11/10/2010	SW4-59-111010	7.06
SW-4	11/11/2010	SW4-60-111110	7.14
SW-4	11/12/2010	SW4-61-111210	6.94
SW-4	11/12/2010	FD-SW4-61-111210	6.98
SW-4	11/15/2010	SW4-60-111510	7.30
SW-4	11/16/2010	SW4-61-111610	7.30
SW-4	11/16/2010	FD-SW4-61-111610	7.28
SW-4	11/18/2010	SW4-63-111810	6.93
SW-5	8/20/2010	SW5-01-082010	6.52
SW-5	8/23/2010	SW5-02-082310	7.11
SW-5	8/24/2010	SW5-03-082410	6.81
SW-5	8/25/2010	SW5-04-082510	6.72
SW-5	8/26/2010	SW5-05-082610	6.66
SW-5	8/27/2010	SW5-06-082710	5.50
SW-5	8/30/2010	SW5-07-083010	6.76
SW-5	8/31/2010	SW5-08-083110	6.64
SW-5	9/1/2010	SW5-09-090110	6.98
SW-5	9/2/2010	SW5-10-090210	8.29
SW-5	9/3/2010	SW5-11-090310	**9.31**
SW-5	9/7/2010	SW5-12-090710	7.46
SW-5	9/8/2010	SW5-13-090810	6.98
SW-5	9/9/2010	SW5-14-090910	6.91
SW-5	9/10/2010	SW5-15-091010	6.86
SW-5	9/11/2010	SW5-16-091110	6.68
SW-5	9/13/2010	SW5-17-091310	6.82
SW-5	9/14/2010	SW5-18-091410	6.87
SW-5	9/15/2010	SW5-19-091510	6.91
SW-5	9/16/2010	SW5-20-091610	6.42
SW-5	9/17/2010	SW5-21-091710	6.56
SW-5	9/18/2010	SW5-22-091810	6.63
SW-5	9/20/2010	SW5-23-092010	6.54
SW-5	9/21/2010	SW5-24-092110	6.48
SW-5	9/22/2010	SW5-25-092210	6.38
SW-5	9/23/2010	SW5-26-092310	6.48
SW-5	9/24/2010	SW5-27-092410	6.87
SW-5	9/25/2010	SW5-28-092510	6.96
SW-5	9/27/2010	SW5-29-092710	6.79
SW-5	9/28/2010	SW5-30-092810	6.54
SW-5	9/29/2010	SW5-31-092910	6.67
SW-5	9/30/2010	SW5-32-093010	7.30
SW-5	10/1/2010	SW5-33-100110	6.85

Table 4
Summary of Surface Water Performance Sampling Results
Slag Disposal Beckwith Property Site
Kent, Washington
Farallon PN: 831-022

Sample Location	Sample Date	Sample Identification	pH
SW-5	10/4/2010	SW5-34-100410	6.81
SW-5	10/5/2010	SW5-35-100510	7.05
SW-5	10/6/2010	SW5-36-100610	6.75
SW-5	10/7/2010	SW5-37-100710	7.10
SW-5	10/8/2010	SW5-38-100810	7.28
SW-5	10/9/2010	SW5-39-100910	6.60
SW-5	10/11/2010	SW5-40-101110	7.00
SW-5	10/12/2010	SW5-41-101210	7.00
SW-5	10/13/2010	SW5-42-101310	7.02
SW-5	10/14/2010	SW5-43-101410	6.86
SW-5	10/15/2010	SW5-44-101510	7.00
SW-5	10/18/2010	SW5-45-101810	6.47
SW-5	10/19/2010	SW5-46-101910	6.05
SW-5	10/20/2010	SW5-47-102010	6.45
SW-5	10/21/2010	SW5-48-102110	6.19
SW-5	10/22/2010	SW5-49-102210	6.57
SW-5	10/25/2010	SW5-50-102510	7.06
SW-5	10/26/2010	SW5-51-102610	7.03
SW-5	10/27/2010	SW5-52-102710	6.97
SW-5	10/28/2010	SW5-53-102810	6.92
SW-5	10/29/2010	SW5-54-102910	7.09
SW-5	11/3/2010	SW5-55-110310	6.98
SW-5	11/4/2010	SW5-56-110410	6.97
SW-5	11/8/2010	SW5-57-110810	7.09
SW-5	11/9/2010	SW5-58-110910	6.95
SW-5	11/10/2010	SW5-59-111010	7.01
SW-5	11/11/2010	SW5-60-111110	6.96
SW-5	11/12/2010	SW5-61-111110	6.57
SW-5	11/15/2010	SW5-60-111510	6.80
SW-5	11/16/2010	SW5-61-111610	6.60
SW-5	11/18/2010	SW5-63-111810	6.82

Table 5
Summary of Surface Water Compliance Sampling Results
Slag Disposal Beckwith Property Site
Kent, Washington
Farallon PN: 831-022

Sample Location	Sample Date	Sample Identification	pH
SW-1	11/17/2010	SW1-62-111710	7.08
SW-1	11/17/2010	FD-SW1-62-111710	7.10
SW-1	12/28/2010	SW1-64-122810	7.17
SW-1	2/8/2011	SW1-65-020811	6.82
SW-1	3/22/2011	SW1-66-032211	6.80
SW-2	11/17/2010	SW2-62-111710	6.97
SW-2	12/28/2010	SW2-64-122810	6.55
SW-2	2/8/2011	SW2-65-020811	6.71
SW-2	3/22/2011	SW2-66-032211	6.67
SW-3	11/17/2010	SW3-62-111710	DRY
SW-3	12/28/2010	SW3-64-122810	6.87
SW-3	2/8/2011	SW3-65-020811	6.95
SW-3	3/22/2011	SW3-66-032211	7.10
SW-4	11/17/2010	SW4-62-111710	7.15
SW-4	12/28/2010	SW4-64-122810	6.12
SW-4	2/8/2011	SW4-65-020811	6.73
SW-4	3/22/2011	SW4-66-032211	7.60
SW-5	11/17/2010	SW5-62-111710	6.88
SW-5	12/28/2010	SW5-64-122810	6.48
SW-5	2/8/2011	SW5-65-020811	6.60
SW-5	3/22/2011	SW5-66-032211	6.37

APPENDIX A
WETLAND BUFFER ENHANCEMENT/RESTORATION PLAN AND ADDENDUM LETTER

COMPLETION AND COMPLIANCE MONITORING REPORT
Slag Disposal, Beckwith Property Site
South 218th Street and 90th Avenue South
Kent, Washington

Farallon PN: 831-022

WETLAND BUFFER ENHANCEMENT/RESTORATION PLAN
SLAG DISPOSAL BECKWITH PROPERTY SITE

Prepared for

Farallon Consulting L.L.C.

Prepared by

Anchor QEA, LLC

1423 Third Avenue

Suite 300

Seattle, Washington 98101

June 2010

WETLAND BUFFER ENHANCEMENT/RESTORATION PLAN SLAG DISPOSAL BECKWITH PROPERTY SITE

Prepared for

Farallon Consulting L.L.C.

Prepared by

Anchor QEA, LLC
1423 Third Avenue
Suite 300
Seattle, Washington 98101

June 2010

TABLE OF CONTENTS

1 INTRODUCTION 1

2 PROJECT BACKGROUND AND DESCRIPTION 2

2.1 Review of Existing Information 2

2.2 Project Background 2

2.3 Project Description 4

3 WETLAND AND WETLAND BUFFER AREA DESCRIPTIONS 6

3.1 Wetland I 7

3.2 Wetland L 8

3.3 Wetland M 8

3.4 Wetland N 8

4 WETLAND BUFER IMPACT AREA AND ENHANCEMENT/RESTORATION DESCRIPTION 11

4.1 Wetland Buffer Impact Area 11

4.2 Wetland Buffer Enhancement/Restoration 13

5 CONCEPTUAL WETLAND BUFFER ENHANCEMENT/RESTORATION PLAN 14

5.1 Mitigation Sequencing 14

5.1.1 Avoidance and Minimization Measures 14

5.1.2 Enhancement/Restoration Measures 14

5.2 Wetland Buffer Enhancement/Restoration Mitigation 15

5.2.1 Wetland Buffer Mitigation Goals and Objectives 15

5.2.2 Monitoring Plan 16

5.2.3 Performance Measures, Standards of Success, and Contingency Plans 19

6 REFERENCES 21

List of Tables

Table 1 Sizes, Classifications, and Ratings of Wetlands Located in Close Proximity to Proposed Excavation 7

Table 2 Summary of Vegetation Species Present within the Project Site and Buffer Areas that Would be Temporarily Disturbed 10

List of Figures

Figure 1 Vicinity Map 3

Figure 2 Wetland Buffer Plan 5

Figure 3 Planting Plan 17

Figure 4 Planting Specifications 18

1 INTRODUCTION

This Wetland Buffer Enhancement/Restoration Report provides the results of a critical areas assessment on an approximately 4.7-acre parcel of land located in the City of Kent, King County, Washington (Township 22 North, Range 5 East, Section 7). The purpose of this report is to assess wetland buffer impacts associated with the Slag Disposal Beckwith Property Site (Project) and to describe proposed wetland buffer restoration measures. The City of Kent has jurisdiction over development in the wetland buffer pursuant to the City of Kent City Code (KCC) Critical Areas Ordinance (CAO), Chapter 11.06 (City of Kent 2010). The Project site is located on the east side of Highway 167 at the intersection of South 218th Street and 88th Avenue South. Site investigations for this report were performed by Anchor QEA ecologists on April 28, 2010.

This report was prepared in accordance with City of Kent criteria, as defined in the KCC CAO (City of Kent 2010). The following sections of this report describe the methods used in the investigation and Anchor QEA's findings. Descriptions of the Project and the Project background are included in Section 2. A description of wetlands and wetland buffers within the site is included in Section 3. Section 4 includes a description of the wetland buffer impact area and the wetland buffer restoration, and Section 5 details a conceptual wetland buffer enhancement/restoration plan. Buffer restoration and enhancement of existing disturbed buffer habitat is proposed. Appendix A includes a vicinity map of the Project site and restoration plan drawings.

2 PROJECT BACKGROUND AND DESCRIPTION

The approximately 4.7-acre site is located near the intersection of South 218th Street and 88th Avenue South in the City of Kent, King County, Washington (Township 22 North, Range 5 East, Section 7). The site is located at the base of a north-south-trending, west-facing steep slope. South 218th Street forms the northern boundary of the site. The west side of the site is bordered by 88th Avenue South. Chain link fences and gates are located along the perimeter of the site. Highway 167 is located west of the site, and residential property is located to the north, south, and east. A vicinity map of the Project site is shown on Figure 1.

2.1 Review of Existing Information

As part of the analysis to identify and assess impacts to critical areas at the Project site, Anchor QEA ecologists reviewed the following sources of information to support field observations:

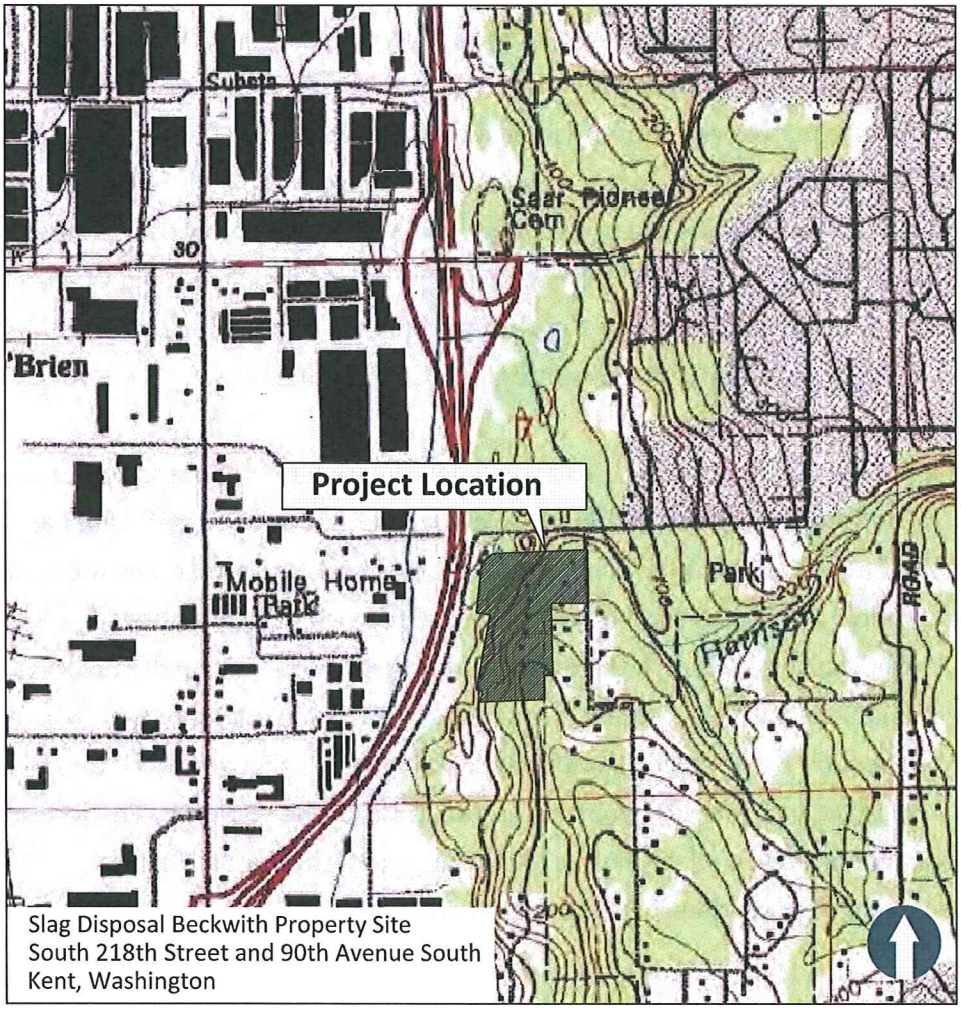
- KCC CAO (City of Kent 2010)
- *South 224th Street Extension Wetland Technical Report* (ESA Adolfson 2006)
- *Beckwith Property Slag Disposal Site Wetland Delineation Report* (Springwood Associates, Inc. 1995)
- *Slag Disposal Beckwith Property Site Excavation Project Design Plans* (Farallon Consulting L.L.C. 2010a)
- *Cleanup Action Work Plan* (Farallon Consulting L.L.C. 2010b)
- Aerial photographs

2.2 Project Background

Approximately 16,500 cubic yards of secondary steel slag containing lime ash were used as fill at the site between 1984 and 1990. Surface water reacted with the lime ash within the slag to increase pH to more than the regulatory limit of 8.5, as defined in Consent Decree No. 95-2-15301-1, entered into by the Washington State Department of Ecology (Ecology) and the land owner, Earle M. Jorgensen Company.

SOURCE: Base map prepared from Terrain Navigator Pro USGS 7.5 minute quadrangle map(s) of Kent, WA.

Not to Scale



Slag Disposal Beckwith Property Site
South 218th Street and 90th Avenue South
Kent, Washington

Jun 17, 2010 9:34am bberminghan K:\Jobs\100224-EMJ Slag\100224-01\100224-RP-001.dwg Layout1

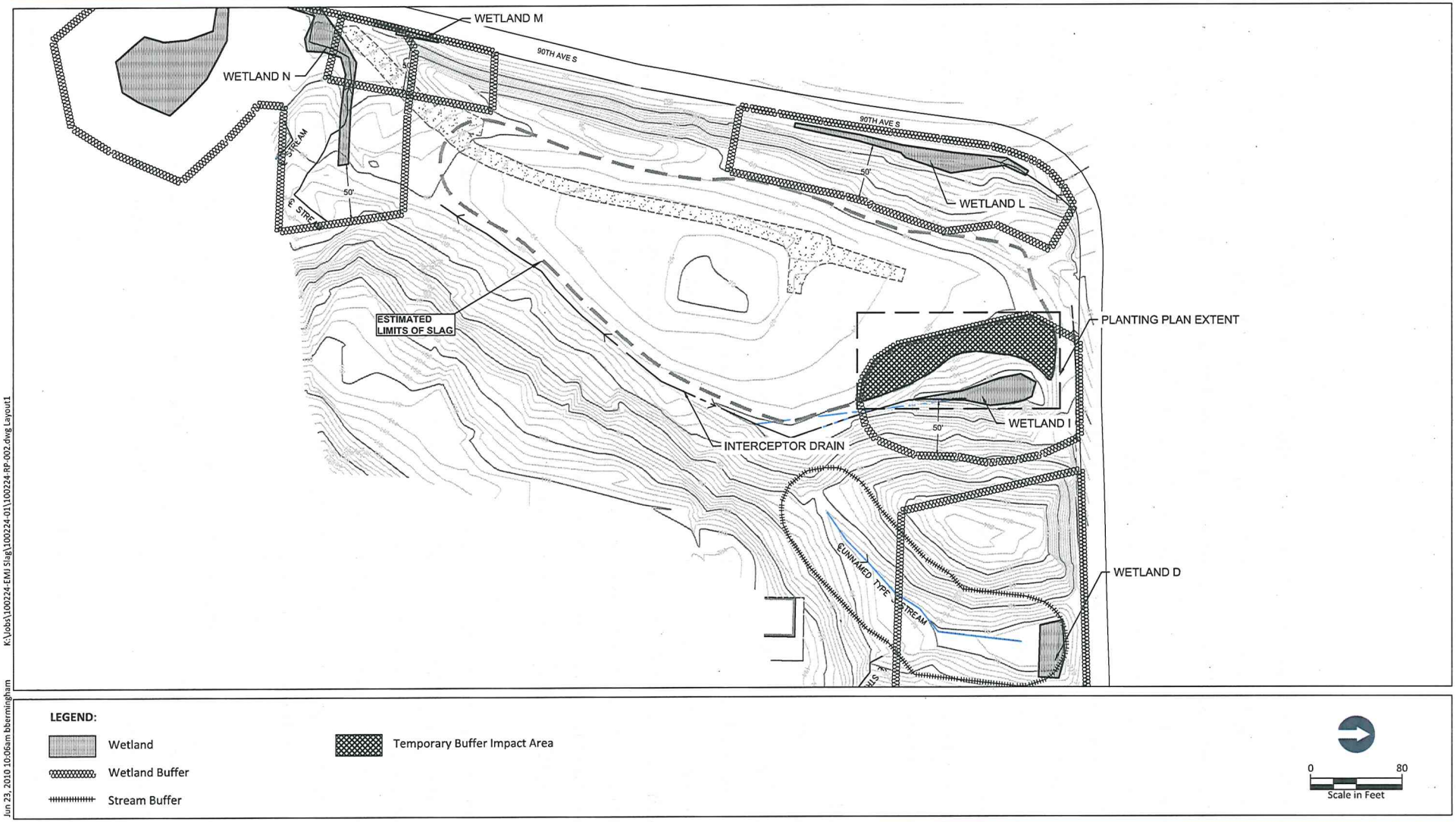
ANCHOR QEA

Figure 1
Vicinity Map
Wetland Buffer Enhancement/Restoration Plan
Slag Disposal Beckwith Property Site

2.3 Project Description

The selected cleanup action includes excavation and offsite disposal of the approximately 16,500 cubic yards of slag at the site to reduce the pH of surface water discharging from the site to less than 8.5. Following excavation, the site will be restored and graded to allow surface water to drain approximately as it did prior to slag removal activities. There are five wetlands located within the site (Wetlands D, I, L, M, and N) in the vicinity of the proposed excavation, as described in Section 3. Under the proposed cleanup action, excavation at the site will encroach into protective wetland buffers, as defined by the City of Kent (City of Kent 2010), but will not result in direct impacts to wetlands. The site restoration will include replanting native vegetation within disturbed wetland buffer areas and hydroseeding the remaining disturbed upland areas. The cleanup action will result in a permanent solution to protect human health and the environment and will meet Ecology requirements for closure and de-listing the site from the Ecology Confirmed and Suspected Contaminated Sites List. A more detailed description of the cleanup action is provided in the *Cleanup Action Work Plan* prepared by Farallon Consulting, L.L.C. (2010b).

Under the Project, approximately 0.13 acre (5,440 square feet [sf]) of temporary wetland buffer impacts would occur to the buffer of Wetland I. No wetland buffer impacts would occur to Wetlands D, L, M, or N. The Wetland I buffer impact would occur on the east side of the excavation activity, as shown on Figure 2. Proposed mitigation for the temporary wetland buffer impacts would be the enhancement/restoration of the disturbed wetland buffer by replanting native vegetation within the disturbed wetland buffer area. As described in Section 3, the existing buffer area of Wetland I that would be disturbed is currently degraded and provides poor buffer functions to the wetland. The locations of the existing wetland buffer, wetland buffer impact area, and the wetland buffer enhancement/restoration plantings are shown on Figure 2.



K:\Jobs\100224-EMJ Slag\100224-01\100224-RP-002.dwg Layout1

Jun 23, 2010 10:06am bbermingham

ANCHOR QEA

Figure 2
Wetland Buffer Plan
Wetland Buffer Enhancement/Restoration Plan
Slag Disposal Beckwith Property Site

3 WETLAND AND WETLAND BUFFER AREA DESCRIPTIONS

This section provides a description of the five wetlands within the Project site. Four of these wetlands are within close proximity to the proposed excavation and the existing conditions of wetland buffers are described. Wetlands within the Project site were delineated in 1995 and 2006, as identified in the *Beckwith Property Slag Disposal Site Wetland Delineation Report* (Springwood Associates, Inc. 1995) and the *South 224th Street Extension Wetland Technical Report* (ESA Adolfson 2006). Information on wetlands within the project site is based on the information in these documents. Information on wetland buffer conditions is based on these documents and information collected by Anchor QEA during an April 2010 site visit. The cleanup action will result in approximately 0.13 acre (5,440 sf) of temporary impacts to Wetland I buffer habitat.

Five wetlands were identified within the Project site, identified as Wetlands D, I, L, M, and N. Wetlands and the associated wetland buffers are shown on Figure 2. Wetland D, is a Category II wetland (ESA Adolfson 2006) located more than 200 feet east of the east boundary of Wetland I and over 300 feet from the proposed excavation area. In addition, Wetland D is located in a ravine on the east side of the steep sloped hillside/ridge that borders the east side of Wetland I. The ridge separates the drainage supporting Wetland D from the drainage supporting Wetland I. Due to the distance and topography between Wetland D and the proposed excavation and the landform between the wetland and the Project site, Wetland D is not addressed further in this report.

Of the four remaining wetlands in the Project site, proposed excavation will encroach into the wetland buffer of Wetland I and will avoid the buffers of Wetlands L, M, and N. Since the wetlands are depressional, it is important to note that the grading associated with the removal of the slag will not result in changes to the site drainage patterns that support the wetland hydrology. The existing and proposed drainage patterns, and the area draining to each wetland, will remain the same.

Complete descriptions of the four wetlands and associated wetland buffers identified in the Project site are provided in the following subsections. Wetlands in the Project site were rated using the most current version of Ecology guidance in Washington: *State Wetland*

Rating System for Western Washington: Revised (Ecology 2004) and *Wetland Rating Form – Western Washington, Version 2* (Ecology 2008), and according to City of Kent criteria, as defined in the KCC CAO Chapter 11.06 (City of Kent 2010). Table 1 presents a summary of the four wetlands in the Project site. For more specific information on wetlands within the Project site, including wetland data plots, please refer to the *South 224th Street Extension Wetland Technical Report* (ESA Adolfson 2006).

Table 1
Sizes, Classifications, and Ratings of Wetlands Located in Close Proximity to Proposed Excavation

Wetland	Wetland Size (acres)	USFWS (Cowardin) Classification	Hydrogeomorphic Classification	State Rating (Ecology)	City of Kent Rating	City of Kent Wetland Buffer (feet)
I	0.03	POW	Depressional	IV	IV	50
L	0.04	PEM	Depressional	IV	IV	50
M	0.004	PEM	Depressional	IV	IV	50
N	0.03	PEM	Depressional	IV	IV	50

POW = Palustrine Open Water
PEM = Palustrine Emergent

3.1 Wetland I

Wetland I is a small (0.03 acre) palustrine open water (POW) wetland dominated by common duckweed (*Lemna minor*). Second-growth forested habitat is located to the east, south, and north. Dominant vegetation in the forested habitat includes western red cedar (*Thuja plicata*), big-leaf maple (*Acer macrophylum*), red alder (*Alnus rubra*), vine maple (*Acer circinatum*), Indian plum (*Oemleria cerasiformis*), salmonberry (*Rubus spectabilis*), and red elderberry (*Sambucus racemosa*). To the west there is a narrow, approximately 25-foot-wide band of young (about 6 to 10 feet tall) western red cedar trees and shrubs such as Indian plum and red elderberry. Most of these plants appear to have been planted following installation of a clay barrier in about 2004. Wetland buffer habitat within this approximately 25-foot area of Wetland I provides good quality buffer habitat for the wetland. The area further than about 25 feet from the wetland boundary is the footprint of the original excavation area. This area is currently dominated by nonnative shrubs such as Himalayan

blackberry (*Rubus armeniacus*) and Scot's broom (*Cytisus scoparius*), and grass and herbaceous species such as tall fescue (*Festuca arundinacea*), reed canarygrass (*Phalaris arundinacea*), common velvet grass (*Holcus lanatus*), colonial bentgrass (*Agrostis capillaris*), common dandelion (*Taraxacum officinale*), American vetch (*Vicia americana*), and red clover (*Trifolium pratense*). Patches of bare ground are also common in the area of the slag fill.

3.2 Wetland L

Wetland L is a small (0.04 acre) palustrine emergent (PEM) wetland associated with a ditch located along the east side of 88th Avenue South. The dominant vegetation in Wetland L is reed canarygrass. Second-growth forested habitat similar to what is described for Wetland I is located to the east, south, and north. The original slag fill area, dominated by grass and herbaceous species and nonnative shrubs as described for Wetland I, is located about 40 to 50 feet east of Wetland L.

3.3 Wetland M

Wetland M is a small (0.004 acre) PEM wetland associated with a ditch located along the east side of 88th Avenue South, south of Wetland L. The dominant vegetation in Wetland M is reed canarygrass and giant horsetail (*Equisetum telmateia*). Second-growth forested habitat similar to what is described for Wetland I is located to the east and north. The original slag fill area, dominated by grass and herbaceous species and nonnative shrubs as described for Wetland I, is located about 40 to 50 feet east of Wetland M. An unpaved access road associated with the site is also located to the south and east.

3.4 Wetland N

Wetland N is a small (0.03 acre) PEM wetland associated with a ditch located along the east side of 88th Avenue South, south of Wetland M, and two small seasonal streams. The dominant vegetation in Wetland N is reed canarygrass, American speedwell (*Veronica americana*), giant horsetail, and some patches of salmonberry. Second-growth forested habitat similar to what is described for Wetland I is located to the east and south. The original slag fill area, dominated by grass and herbaceous species and nonnative shrubs as

described for Wetland I, is located about 50 feet north of Wetland N, and the unpaved access road associated with the site is located to the west and north.

A list of vegetation species observed at the site and the presence of plant species within the buffer areas that would be temporarily disturbed during excavation is identified in Table 2.

Table 2

Summary of Vegetation Species Present within the Project Site and Buffer Areas that Would be Temporarily Disturbed

Scientific Name	Common Name	Vegetation Present within Buffer Areas to be Temporarily Disturbed	Vegetation Present within Project Site
Trees			
Acer macrophylum	Big-leaf maple	No	Yes
Alnus rubra	Red alder	No	Yes
Populus trichocarpa	Black cottonwood	No	Yes
Salix hookeriana	Hooker willow	No	Yes
Thuja plicata	Western red cedar	No	Yes
Shrubs			
Acer circinatum	Vine maple	No	Yes
Corylus cornuta	Beaked hazelnut	No	Yes
Cytisus scoparius	Scot's broom	Yes	Yes
Lonicera involucrata	Black Twinberry	No	Yes
Oemleria cerasiformis	Indian plum	No	Yes
Rhamnus purshiana	Cascara	No	Yes
Rosa nutkana	Nootka rose	No	Yes
Rubus armeniacus	Himalayan blackberry	Yes	Yes
Rubus parviflorus	Western thimbleberry	No	Yes
Rubus spectabilis	Salmonberry	No	Yes
Symphoricarpos albus	Snowberry	No	Yes
Herbaceous & Ferns			
Agrostis capillaris	Colonial bentgrass	Yes	Yes
Equisetum telmateia	Giant horsetail	Yes	Yes
Festuca arundinacea	Tall fescue	Yes	Yes
Geranium robertianum	Stinky bob	Yes	Yes
Holcus lanatus	Common velvet grass	Yes	Yes
Juncus effusus	Soft rush	Yes	Yes
Phalaris arundinacea	Reed canarygrass	Yes	Yes
Taraxacum officinale	Common dandelion	Yes	Yes
Trifolium pratense	Red clover	Yes	Yes
Veronica americana	American speedwell	No	Yes
Vicia americana	American vetch	Yes	Yes

4 WETLAND BUFER IMPACT AREA AND ENHANCEMENT/RESTORATION DESCRIPTION

This section provides a description of the proposed wetland buffer impact area and wetland buffer enhancement and restoration. Wetlands and the associated wetland buffers are shown on Figure 2.

As shown on Table 1, Wetlands I, L, M, and N have 50-foot protective buffers per KCC CAO Chapter 11.06 (City of Kent 2010). According to the KCC CAO, buffer enhancement/ restoration is required when impacts to wetland buffers occur (KCC Chapter 11.06.600E). Buffer enhancement/restoration report requirements are identified in KCC Chapter 11.06.600F and mitigation and monitoring standards are identified in KCC Chapter 11.06.550.

4.1 Wetland Buffer Impact Area

The wetland buffer habitat within the western portion of the existing 50-foot buffer of Wetland I (where wetland buffer impacts will occur) provides poor quality habitat functions. The wetland buffer within the proposed area of excavation is dominated by a mosaic of native and nonnative grass and herbaceous species with no trees, and shrubs are limited to the nonnative species Scot's broom and Himalayan blackberry (see Section 3). Wetland buffer habitat conditions within or near the proposed buffer impact areas are shown on Photograph 1 and 2.

Photograph 1: Wetland I Buffer on Right Side of Photograph, Facing North

Photograph 2: Wetland I Buffer Proposed to be Impacted on Right Side of Photograph, Facing South

Proposed mitigation for temporary impacts to approximately 0.13 acre (5,440 sf) of the wetland buffer of Wetland I include replanting native trees and shrubs within the 50-foot buffer on the west side of the wetland. The location of the wetland buffer impact area and the buffer mitigation planting plan are shown on Figures 2 and 3, respectively.

Habitat features including snags, downed wood, and brush piles that provide foraging and cover habitat for wildlife such as insects, amphibians, birds, and small mammals are not located within the area of temporary wetland buffer impacts.

4.2 Wetland Buffer Enhancement/Restoration

Wetland buffers are vegetated areas surrounding a wetland boundary that protect wetlands from the effects of adjacent land use. Buffers help wetlands function by filtering storm runoff from surrounding developed land uses, trapping sediment, absorbing nutrients, attenuating high flows, and providing wildlife habitat. Buffers also physically separate wetlands from developed areas in order to lessen noise, light, chemical pollution, and other associated human-related disturbances. Due to the interconnectivity between a wetland and the surrounding uplands, impacts to the buffer can damage the ecological functions of the wetland.

As described previously, the areas in which temporary wetland buffer impacts are proposed include disturbed areas with limited plant variety and no tree cover. Wetland buffer habitats under these conditions are generally poor. Proposed enhancement/restoration includes planting native tree and shrub species not currently present within the buffer area of Wetland I that would be disturbed (see Table 2). Overall, replanting native vegetation within the temporarily disturbed buffer area will provide higher quality wetland buffer habitat than existing conditions.

5 CONCEPTUAL WETLAND BUFFER ENHANCEMENT/RESTORATION PLAN

This report was prepared to address the proposed slag excavation, which will encroach into the 50-foot protective wetland buffer of Wetland I, and near, but not within, the 50-foot protective wetland buffers of Wetlands L and M. This section, addressing a wetland buffer enhancement/restoration plan, was prepared based on the KCC CAO criteria for wetland buffer restoration (Chapters 11.06.600E, 11.06.600F, and Chapter 11.06.550(City of Kent 2010). The plan proposes to avoid impacts to Wetlands L, M, and N and mitigate all unavoidable temporary wetland buffer impacts to Wetland I associated with proposed construction with enhancement and restoration.

5.1 Mitigation Sequencing

5.1.1 Avoidance and Minimization Measures

Buffer impacts to the Wetland I buffer from slag excavation are unavoidable. Impacts to wetland buffers will be temporary and mitigated by enhancing and restoring disturbed existing degraded wetland buffers.

5.1.2 Enhancement/Restoration Measures

Mitigation enhancement and restoration measures also include wetland buffer replanting as described in the following section. Establishing native tree and shrub vegetation will enhance the existing wetland buffer functions by replacing habitat dominated by nonnative shrubs and grass and herbaceous vegetation with native plants adjacent to existing higher quality wetland buffer habitat. Overall, establishing native vegetation in the area of the proposed temporary impacts will provide higher quality wetland buffer functions than the existing wetland buffer conditions and add to the higher quality buffer habitat that currently exists within about 25 feet of the west side of Wetland I. As mentioned above, this portion of the buffer appears to have been enhanced/restored with native vegetation when the clay barrier was installed. Buffer species include red alder, big-leaf maple, Douglas fir (*Pseudotsuga menziesii*), *western red cedar (Thuja plicata),* Indian plum, salmonberry, nootka rose (*Rosa nutkana*), snowberry (*Symphoricarpos albus*), and sword fern (*Polystichum munitum*).

5.2 Wetland Buffer Enhancement/Restoration Mitigation

The mitigation action provides compensatory mitigation for unavoidable temporary impacts to 0.13 acre (5,440 sf) of wetland buffer associated with Project construction. Compensation for these unavoidable temporary impacts to wetland buffer will be accomplished through replanting approximately 0.13 acre (5,440 sf) of wetland buffer within the disturbed wetland buffer area.

As described in Section 4, the wetland buffer of Wetland I that would be temporarily disturbed is generally of poor quality due to the dominance of native and non-native grass and herbaceous vegetation and the general lack of native trees and shrubs. No trees are present in the area of proposed impacts. Vegetation removal as part of the Project is not expected to degrade existing baseline conditions. Replanted native wetland buffer vegetation in the disturbed wetland buffer area will be improved in both quantity and species composition over that found at the area of buffer impacts. Topsoils in the restored area of the buffer will include an 8-inch base layer of on-site stockpiled topsoil, and a 4-inch surface layer of imported topsoil, plus a 6-inch mulch layer. The latter two layers will both help retain moisture and suppress weed growth.

In addition, any non-native invasive species in the portion of Wetland I buffer on east of the impacted area, and west of Wetland I (previously restored/enhanced portion of Wetland I buffer) will be removed as part of the mitigation action.

5.2.1 Wetland Buffer Mitigation Goals and Objectives

The overarching goal of the wetland buffer restoration described in this report is to address replacement of wetland buffer functions impacted by the Project and to increase these functions at the Project site. To achieve this goal, proposed wetland buffer enhancement/restoration will include planting native vegetation to replace wetland buffer vegetation removed during construction. This impact area is currently dominated by grassland habitat with nonnative shrub vegetation. Overall, impacted grassland habitat will be replaced with native shrub and forested vegetation communities.

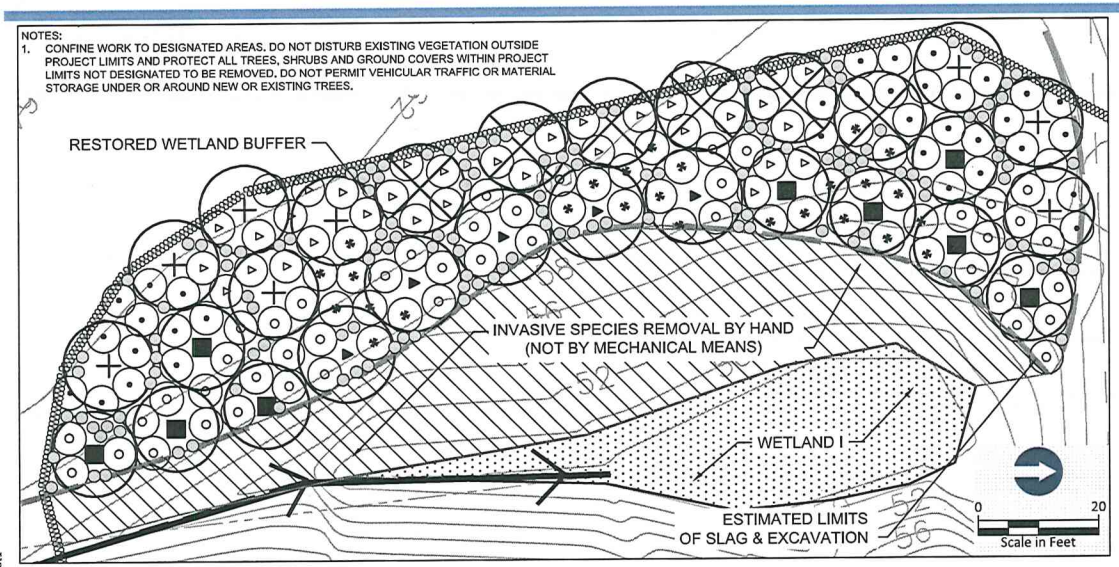
To meet these goals, the following objectives have been used to develop the conceptual planting plan to compensate for loss and damage to the wetland buffer area:

- Provide demonstrable and qualitative replacement of functional elements of the natural system on the site
- Establish native wetland buffer plant communities by planting native species and removing invasive species (completed fall 2010)
- Use native and naturalized plant species commonly found in wetland buffer habitats of the Pacific Northwest (see Figures 3 and 4)
- Simulate, with the plantings, Pacific Northwest native plant communities in terms of composition, cover, and structure
- Replace, at a ratio of at least 1:1, wetland buffer habitat lost due to Project impacts
- Remove any non-native, invasive species (such as Scot's Broom and Himalayan Blackberry) from the portion Wetland I buffer bordering portion to be restored/enhanced (completed fall 2010).

5.2.2 Monitoring Plan

To ensure success of the restoration, per the KCC, a 3-year monitoring and management program will be implemented (City of Kent 2010, Chapter 11.06.600E). The objective of this plan is to ensure the achievement of the prescribed standards of success.

Installed vegetation communities will be monitored annually to assess the performance of the wetland buffer restoration. Prior to the first monitoring visit, an as-built (or Year 0) plan will be prepared to document the implementation of the restoration design. Any minor changes to the approved designs that are required by field conditions present during plan implementation must be documented on the as-built plans. The monitoring period will begin once the as-built plans have been approved. Due to the relatively small size of the wetland buffer restoration area, sample plots will likely not be established and monitoring will include the entire approximately 0.13-acre (5,440-sf) wetland buffer restoration area. Based on as-built plans or record drawings, monitoring will take place near the end of the growing season (summer or early fall) prior to leaf drop.



PLANTING PLAN

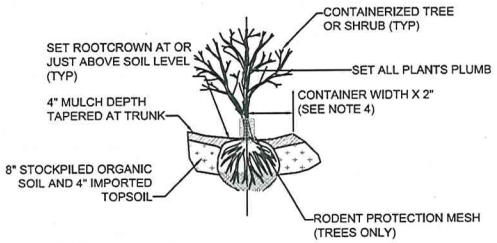
PLANTING SEQUENCE / NOTES:

1. STRIP ORGANIC SOIL AND STOCKPILE SEPARATELY FROM SLAG AND OVERBURDEN.
2. RIP, DISC, OR SCARIFY SUBGRADE SOILS TO A MINIMUM DEPTH OF 12 INCHES. DO NOT SCARIFY WITHIN DRIP LINE OF EXISTING TREES TO BE RETAINED.
3. PLACE 8" OF STOCKPILED SOILS AND 4" OF IMPORTED TOPSOIL WTIHIN WETLAND BUFFER PLANTING AREA.
4. DIG PLANTING PIT THAT IS AT LEAST TWICE THE DIAMETER OF CONTAINER. REMOVE ALL ROCKS, ROOTS, STICKS AND OTHER DEBRIS LARGER THAN 1" DIAMETER. SCARIFY THE PLANTING PIT BOTTOM AND SIDES TO A DEPTH OF 4 INCHES.
5. SET PLANT MATERIAL IN THE PLANTING PIT TO PROPER GRADE AND ALIGNMENT. SET PLANTS UPRIGHT, PLUMB, AND FACED TO GIVE THE BEST APPEARANCE OR RELATIONSHIP TO EACH OTHER. SET CROWN OF PLANT MATERIAL AT THE FINISH GRADE. NO FILLING WILL BE PERMITTED AROUND TRUNKS OR STEMS. BACKFILL THE PLANTING PIT WITH SOIL, DO NOT USE MUDDY MIXTURES FOR BACKFILLING.
6. SPACE PLANTS USING TRIANGULAR SPACING IN ACCORDANCE WITH PLANT SCHEDULE DIMENSIONS. PLANT GROUND COVERS TO WITHIN 18" OF THE TRUNKS OF TREES AND SHRUBS WITHIN PLANTING AREA AND TO WITHIN 12" OF THE EDGE OF PLANTING AREA. PLANT SHRUBS WITHIN 5' OF THE TRUNKS OF TREES WITHIN PLANTING AREA AND TO WITHIN 3' OF THE EDGE OF PLANTING AREA.
7. SHAPE SOIL TO PROVIDE WATERING RING WITH A DIAMETER EQUAL TO 2X THE CONTAINER WIDTH.
8. MULCH PLANTING BEDS IMMEDIATELY AFTER PLANTING. THOROUGHLY WATER MULCHED AREA. AFTER WATERING, RAKE MULCH TO PROVIDE A UNIFORM FINISHED SURFACE.

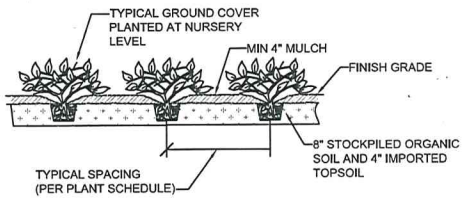
PLANTING SCHEDULE / LEGEND

Common Name	Scientific Name	Size	Spacing	Quantity
TREES				
Red Alder	*Alnus rubra*	5 gal.	15' O.C.	9
Big leaf Maple	*Acer macrophyllum*	5 gal.	15' O.C.	6
Douglas Fir	*Pseudotsuga menziesii*	5 gal.	15' O.C.	8
Western Red Cedar	*Thuja plicata*	5 gal.	15' O.C.	5
SHRUBS				
Indian Plum	*Oemleria corasiformis*	1 gal.	6' O.C.	36
Salmonberry	*Rubus spectabilis*	1 gal.	6' O.C.	45
Nootka Rose	*Rosa nutkana*	1 gal.	6' O.C.	28
Snowberry	*Symphoricarpos albus*	1 gal.	6' O.C.	35
GROUNDCOVER				
Western Sword Fern	*Polystichum munitum*	1 gal.	As Shown	147

EXISTING WETLAND PREVIOUSLY RESTORED WITH NATIVE PLANTS



1 - SCALE:NTS TYPICAL TREE AND SHRUB PLANTING DETAIL



2 - SCALE:NTS GROUNDCOVER PLANTING

K:\Jobs\100224-EMJ Slag\100224-01\100224-RP-003.dwg Layout1
Jun 23, 2010 4:18pm bberningham

ANCHOR QEA

Figure 3
Planting Plan
Wetland Buffer Enhancement/Restoration Plan
Slag Disposal Beckwith Property Site

PLANTING SPECIFICATIONS

Submittals:

1. Topsoil analysis results of a 5 pound bag from soils testing laboratory, indicate source and obtain Owner's approval before hauling topsoil to site.
2. Source of the mulch supply and a 1 gallon sample for approval before installation.
3. List of nurseries supplying all plant species with Name and phone number of contact person. Submit representative color, dated photographs of each plant species.

Notifications:

Notify the Owner at least five working days prior to the installation of plant material.

Products:

Topsoil:

The Topsoil shall consist of 60 percent Sand Component and 40 percent Composted Organic Amendment by volume and shall meet or exceed the following specifications:

The Sand Component shall meet the following specifications within reasonable variations:

Screen Size	Percent Passing
6.35 mm	95
#10	85
#30	50
#60	40
#100	20
#200	10

The Composted Organic Soil Amendment shall consist of 100 percent decomposed organic mulch material, and shall consist of yard waste debris or other organic waste materials that have been sorted, ground up, aerated, and aged, and shall be fully composted, stable, and mature (non-aerobic). The composting process shall be for at least 6 months' time and the organic amendment shall have a uniform dark, soil-like appearance and consist of 100 percent recycled content. In addition, the organic amendment shall have the following physical characteristics:

1. Shall be certified by the Process to Further Reduce Pathogens (PFRP) guideline for hot composting as established by EPA. Shall be fully mature and stable before usage.
2. Shall be screened using a sieve no finer than 1/4-inch and no greater than 1/2-inch. Based on dry weight of total organic amendment sample, it must comply with the following percent by weight passing:

Sieve Size	Maximum %	Minimum %
12.7 mm (1/2 inch)	0	100
6.35 mm (1/4 inch)	100	95
4.76 mm	100	90
2.38 mm	100	75
1.00 mm	45	70
500 micron	30	0

3. Meets "composted materials" definition in WAC 173-350 Section 220, available at: http://www.ecy.wa.gov/programs/swfa/compost/
4. Has Organic Matter Content 35 to 65 percent and Carbon to Nitrogen ratio of 25:1.
5. Shall have heavy metal concentrations below the Washington State Department of Agriculture (WSDA) per year load limits as follows:

Metal	WSDA-Maxium pounds per acre per year
Arsenic	0.297
Cadmium	0.079
Cobalt	0.594
Lead	1.981
Mercury	0.019
Molybdenum	0.079
Nickel	0.713
Selenium	0.055
Zinc	7.329

6. Shall be certified by PFRP guidelines for composting as established by the U.S. Environmental Protection Agency (EPA).

PLANTING SPECIFICATIONS CONTINUED

The topsoil mix shall also have the following characteristics:

1. The pH range shall be from 5.5 to 7.5.
2. The Sodium Adsorption Ratio shall be less than 6.0.
3. The Saturation Extract Concentration of Boron shall be less than 1.0 part per million (ppm).
4. The Water Percolation/Infiltration Rate of the disturbed soil sample shall be a minimum of 0.4 inches per hour.
5. The Soil Structure shall be loose, friable, and not subject to consolidation or compaction.
6. The soil mix shall contain less than 100 plant parasitic nematodes per 100 cubic centimeters (cc) of soil.
7. The soil mix shall be relatively free of soil-borne plant pathogens.
8. Minimal weed seed shall be present, based on germination testing of a representative sample.
9. Non-soil components shall be less than 1 percent by volume (i.e., plastic, sticks, glass, etc.).
10. The Final Topsoil Mix shall contain sufficient quantities of available nitrogen, phosphorus, potassium, calcium, magnesium, sulfate, copper, zinc, manganese, iron, and boron to support normal plant growth. In the event of nutrient inadequacies, provisions shall be made to add required materials prior to planting.

Mulch:

Bark or wood chip mulch shall be derived from Douglas fir, pine, or hemlock species. It shall be ground so that a minimum of 95% of the material will pass through a 2-inch sieve and no more than 25%, by loose volume, will pass through a No. 4 sieve. The mulch shall not contain resin, tannin, or other compounds in quantities that would be detrimental to plant life. Arborist woodchips, sawdust or wood shavings shall not be used as mulch.

Plants:

Comply with sizing and grading standards of th latest edition of "American Standards for Nursery Stock."

Protect existing native vegetation from damage caused by landscaping operations.

All plants shall by nursery grown and from a nursery with similar climatic conditions to the locality of the project. Stock furnished shall be at least the minimum size indicated.

Provide only sound, healthy, vigorous plants free from weeds, defects, sunscald injuries, and abrasions of the bark, plant diseases, insect eggs, borers, and all forms of infestation. All plants shall have a fully developed form without voids, open spaces, broken branches, bruised bark, flush cuts or stubs. No plants shall be loose in the container or pot bound.

Plants shall be packed, transported and handled with care. Cover plants transported on open vehicles with a protective covering to prevent wind burn. No plant material will be bound with rope or wire in a manner that would damage or break the branches. If plants cannot be planted immediately upon delivery, properly protect them with soil, wet peat moss, or in a manner acceptable to the Owner. Water heeled in plantings daily. Do not handle plants by trunks, stems or tops.

Plant material shall be inspected and approved by the Consultant and the Owner on site prior to installation. Remove unsatisfactory material from the site immediately.

Planting vegetation shall be performed during the period between October 1 and April 1.

Stock shall not be installed when ambient temperatures are below 35 degrees F or above 80 degrees, or when wind velocity exceeds 30 miles per hour.

Warrant plant material to remain alive and be in healthy, vigorous condition for a period of one year after the date of Physical Completion.

Rodent Protection Mesh:

Encircle woody trunks of planted trees with thin plastic mesh to protect against cambian damage by rodents. Extend mesh cylinder 3" below and 12" above the finished grade line. Assure that the guage of protective wrap is such that tree growth will split the material if it is not physically removed.

Maintenance:

Maintain planting until acceptance by Owner. Maintenance shall include cultivating, weeding, watering, pruning (only as directed), and application of appropriate insecticides and fungicides necessary to maintain plants free of insects and disease.

Reset settled plants to proper grade and position. Restore planting watering ring and adjacent material and remove dead material.

Water trees, shrub, and ground cover beds within the first 24 hours of initial planting, and not less than twice per week (including rain) until Physical Completion.

Physical Completion:

Inspection to determine Physical Completion of planted areas will be made by the Owner, upon the Contractor's request. Provide notification at least 10 working days before requested inspection date.

Planted areas will be accepted provided all requirements, including the maintenance period have been complied with and plant materials are alive and in a healthy vigorous condition.

Upon Physical Completion, the Owner will assume plant maintenance.

ANCHOR QEA

Figure 4
Planting Specifications
Wetland Buffer Enhancement/Restoration Plan
Kent Slag Site Excavation Project

Monitoring activities will focus on the collection of vegetation and wildlife data to evaluate, describe, and quantify (to the extent possible) wetland buffer functions and compliance with the performance measures. Monitoring will also include photographic documentation of site features and the development of habitat on the site. General monitoring methods are:

- Survival of planted trees and shrubs will be assessed
- Aerial cover for native trees and shrubs, both planted and colonizing, will be estimated
- Aerial cover for state-listed noxious weeds will be estimated
- Photographic documentation from photo points will be identified on the as-built plans
- Incidental wildlife sightings or signs will be documented
- Intrusions, vandalism, or other actions that impair the intended functions of the mitigation areas will be reported
- Recommendations will be made for maintenance or repair of the restoration areas

Following each year's monitoring visit, a report will be prepared detailing the findings of the visit. A total of four reports (Years 0, 1, 2, and 3) will be prepared as part of ongoing monitoring reporting.

5.2.3 Performance Measures, Standards of Success, and Contingency Plans

Performance measures and success standards describe specific on-site characteristics that indicate a function is being provided. Performance measures are used to guide management of the mitigation area. Success standards are thresholds to be measured during the monitoring period that demonstrate the mitigation has complied with regulatory requirements and is providing intended functions. The proposed restoration will be monitored for 3 years to demonstrate that intended wetland buffer functions have been achieved. Specific performance measures and success standards will be the following:

- 20 percent cover of native trees, shrubs, groundcover, and emergent species after 1 year
- 50 percent cover of native trees, shrubs, groundcover, and emergent species after 2 years
- 80 percent cover of native trees, shrubs, groundcover, and emergent species after 3

years

- 80 percent survival of native planted and colonizing native trees and shrubs after 3 years
- Less than 20 percent cover of invasive species

Contingency plans describe what actions can be taken to correct site deficiencies. If there is a significant problem with the restoration area meeting its performance standards, a contingency plan will be developed. Contingency plans may include, but are not limited to, the following:

- Plant substitutions of type, species, quantity, and/or location
- Additional plant installation to address survival or cover problems
- Weeding and additional plant installation to address invasive weed cover
- Providing fencing or plant guards around plants to prevent animal damage

Contingency plans will be developed for review and approval by the City of Kent as appropriate. In addition, implemented contingency plans will be described in the monitoring report following each year's visit. Success of the wetland buffer restoration will be based on the mitigation goals, performance standards, and contingency measures.

6 REFERENCES

City of Kent, 2010. City of Kent City Code. Kent, Washington. Accessed online at http://www.codepublishing.com/wa/kent/ on April 20, 2010.

ESA Adolfson, 2006. *South 224th Street Extension Wetland Technical Report.* Prepared for City of Kent, Washington.

Farallon Consulting, 2010a. *Slag Disposal Beckwith Property Site Excavation Project Design Plans.* Prepared for Earle M. Jorgensen Company, Lynwood, California.

Farallon Consulting, 2010b. *Cleanup Action Work Plan.* Prepared for Earle M. Jorgensen Company, Lynwood, California.

Springwood Associates, Inc., 1995. *Beckwith Property Slag Disposal Site Wetland Delineation Report.* Prepared for SECOR International, Inc. Bellevue, Washington.

Washington State Department of Ecology (Ecology), 2004. *Washington State Wetlands Rating System – Western Washington: Revised.* Publication #04-06-25. Olympia, Washington.

Ecology, 2008. *Washington State Wetland Rating Form – Western Washington, version 2.* Olympia, Washington.

ANCHOR QEA

1423 Third Avenue, Suite 300
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

November 14, 2010

Ms. Heidi Fischer
Farallon Consulting, LLC
975 5th Avenue NW
Issaquah, Washington 98027

Re: Beckwith Property Slag Site Remediation
Wetland M and N Buffer Work

Dear Ms. Fischer:

We have prepared this letter, per our previous discussion, to describe the slag removal work occurring beyond the limits of the Wetland Buffer Mitigation Plan that we prepared. This letter is intended as an addendum to the Wetland Buffer Mitigation Plan.

Additional slag was identified and removed beyond the original estimated excavation limits and extended within the Wetland M and N buffer. More specifically, slag was found along the edge (within a strip approximately 2 feet wide) of the gravel driveway accessing the south end of the property and in a small area (approximately 5x2 feet) near 90th Ave. South. This latter slag area was located adjacent to a 1.5 foot diameter black cottonwood tree that is leaning toward the road. There is also an understory of native salmon berry and snowberry shrubs around the tree.

To remove the slag in these two areas hand tools (shovels, etc.) were used. During this process the black cottonwood tree's roots were disturbed. Anchor QEA recommends that this tree be removed as a safety precaution so it does not fall onto the public roadway at 90th Ave. South. It is also recommended that the small disturbed area at the tree be restored with native shrubs, specifically, salmonberry and/or snow berry. The disturbed areas next to the tree and adjacent to the driveway will be seeded for stabilization. Due to the close proximity of the tree to the driveway and roadway, Anchor QEA does not recommend replanting the tree.

Please let me know if you have any questions about this issue.

Sincerely,

Peter Hummel, Project Manager
Anchor QEA, LLC

Cc: Alicia Toney, Anchor QEA, LLC

APPENDIX B
STORMWATER POLLUTION PREVENTION PLAN FOR EMJ-KENT SLAG SITE CLEANUP ACTION

COMPLETION AND COMPLIANCE MONITORING REPORT
Slag Disposal, Beckwith Property Site
South 218th Street and 90th Avenue South
Kent, Washington

Farallon PN: 831-022

Stormwater Pollution Prevention Plan for:

EMJ – Kent Slag Site Cleanup Action
South 218th Street & 88th Avenue South
Kent, Washington 98031

Operator(s):

Farallon Consulting
975 5th Ave NW
Issaquah, WA 98027
P: 425-427-0061
F: 425-427-0067
Consultant

Clearcreek Contractors, Inc.
3203 15th St.
Everett, Washington 98201
P: 425-252-5800
F: 425-252-1093
Contractor

SWPPP Contact(s):

Clearcreek Contractors, Inc.
3203 15th St.
Everett, Washington 98201
P: 425-252-5800
F: 425-252-1093

SWPPP Preparation Date:

07/28/2010

Estimated Project Dates:

Project Start Date: **08/02/2010**
Project Completion Date: **11/22/2010**

Contents

SECTION 1: SITE EVALUATION, ASSESSMENT, AND PLANNING **1**
1.1 Project/Site Information 1
1.2 Contact Information/Responsible Parties 2
1.3 Nature and Sequence of Construction Activity 3
1.4 Soils, Slopes, Vegetation, and Current Drainage Patterns 4
1.5 Construction Site Estimates 5
1.6 Receiving Waters 6
1.7 Site Features and Sensitive Areas to be Protected 6
1.8 Potential Sources of Pollution 7
1.9 Endangered Species Certification 8
1.10 Historic Preservation 8
1.11 Applicable Federal, Tribal, State or Local Programs 9
1.12 Maps 9
SECTION 2: EROSION AND SEDIMENT CONTROL BMPS **10**
2.1 Minimize Disturbed Area and Protect Natural Features and Soil 11
2.2 Phase Construction Activity 11
2.3 Control Stormwater Flowing onto and through the Project 14
2.4 Stabilize Soils 14
2.5 Protect Slopes 15
2.6 Protect Storm Drain Inlets 15
2.7 Establish Perimeter Controls and Sediment Barriers 16
2.8 Retain Sediment On-Site 16
2.9 Establish Stabilized Construction Exits 17
2.10 Additional BMPs 18
SECTION 3: GOOD HOUSEKEEPING BMPS **19**
3.1 Material Handling and Waste Management 19
3.2 Establish Proper Building Material Staging Areas 20
3.3 Designate Washout Areas 20
3.4 Establish Proper Equipment/Vehicle Fueling and Maintenance Practices 20
3.5 Control Equipment/Vehicle Washing 21
3.6 Spill Prevention and Control Plan 21
3.7 Any Additional BMPs 22
3.8 Allowable Non-Stormwater Discharge Management 22
SECTION 4: SELECTING POST-CONSTRUCTION BMPs **23**
SECTION 5: INSPECTIONS **24**
5.1 Inspections 24
SECTION 6: RECORDKEEPING AND TRAINING 25
6.1 Recordkeeping 25
6.2 Training 25
SECTION 7: FINAL STABILIZATION **25**
SECTION 8: CERTIFICATION AND NOTIFICATION **27**
SWPPP APPENDICES **28**
Appendix A – Plans

Appendix B – Inspection Forms
Appendix C – Record Keeping
Appendix D – Permits

SECTION 1: SITE EVALUATION, ASSESSMENT, AND PLANNING

1.1 Project/Site Information

Instructions:

- In this section, you can gather some basic site information that will be helpful to you later when you file for permit coverage.
- For more information, see *Developing Your Stormwater Pollution Prevention Plan: A SWPPP Guide for Construction Sites* (also known as the *SWPPP Guide*), Chapter 2
- Detailed information on determining your site's latitude and longitude can be found at www.epa.gov/npdes/stormwater/latlong

Project/Site Name: EMJ – Kent Slag Site Cleanup Action

Project Street/Location: South 218th Street & 88th Avenue South

City: Kent State: WA ZIP Code: 98031

County or Similar Subdivision: King

Latitude/Longitude (Use **one** of three possible formats, and specify method)

Latitude:	Longitude:
1. _ _ º _ _ ' _ _" N (degrees, minutes, seconds)	1. _ _ º _ _ ' _ _" W (degrees, minutes, seconds)
2. _ _ º _ _ . _ _' N (degrees, minutes, decimal)	2. _ _ º _ _ . _ _' W (degrees, minutes, decimal)
3. 47.4059 º N (decimal)	3. 122.2196 º W (decimal)

Method for determining latitude/longitude:

☐ USGS topographic map (specify scale: _____) ☐ EPA Web site ☐ GPS

☒ Other (please specify): Google Earth

Is the project located in Indian country? ☐ Yes ☒ No

If yes, name of Reservation, or if not part of a Reservation, indicate "not applicable." _____

Is this project considered a federal facility? ☐ Yes ☒ No

NPDES project or permit tracking number*: _____

**(This is the unique identifying number assigned to your project by your permitting authority after you have applied for coverage under the appropriate National Pollutant Discharge Elimination System (NPDES) construction general permit.)*

1.2 Contact Information/Responsible Parties

Instructions:

- List the operator(s), project managers, stormwater contact(s), and person or organization that prepared the SWPPP. Indicate respective responsibilities, where appropriate.
- Also, list subcontractors expected to work on-site. Notify subcontractors of stormwater requirements applicable to their work.
- See *SWPPP Guide*, Chapter 2.B.

Operator(s):

Farallon Consulting
Richard McManus
975 5th Ave NW
Issaquah, WA 98027
P: 425-427-0061
F: 425-427-0067
Consultant

Clearcreek Contractors, Inc.
Mark McCullough
3203 15th St
Everett, WA 98201
P: 425-252-5800
F: 425-252-1093
Contractor

Project Manager(s) or Site Supervisor(s):

Clearcreek Contractors, Inc.
Jim Burke
3203 15th St
Everett, WA 98201
P: 425-252-5800
F: 425-252-1093
Contractor

SWPPP Contact(s):

Clearcreek Contractors, Inc.
Mark McCullough
3203 15th St
Everett, WA 98201
P: 425-252-5800

F: 425-252-1093
Contractor
Clearcreek Contractors, Inc.

This SWPPP was Prepared by:
Clearcreek Contractors, Inc.
Ben McCartt
3203 15th St
Everett, WA 98201
P: 425-252-5800
F: 425-252-1093

Subcontractor(s):
SHJ Electric
Dale Harper
PO Box 99713
Seattle, WA 98199-0713
P: 206-789-0580
Electric

Emergency 24-Hour Contact:
Clearcreek Contractors, Inc.
Mark McCullough/Paul Curnett
206-423-8120/206-423-9967

1.3 Nature and Sequence of Construction Activity

Instructions:
- Briefly describe the nature of the construction activity and approximate time frames (one or more paragraphs, depending on the nature and complexity of the project).
- For more information, see *SWPPP Guide*, Chapter 3.A.

Describe the general scope of the work for the project, major phases of construction, etc:
The cleanup action will involve excavation and off-Site disposal of approximately 16,500 cubic yards of slag and restoration of the Site. Following excavation, the Site will be restored and graded to allow surface water to drain approximately as it did prior to slag removal activities. Site restoration would include hydroseeding areas impacted by construction, wetland buffer area restoration, and construction of drainage features to manage stormwater runoff. Operation of the existing water treatment system will be required throughout the cleanup action and until monitoring demonstrates seep water pH is below 8.5.

The overall scope for removing the slag and restoring the Site involves:

- Mobilizing, establishing site controls, and performing pre-construction survey.
- Establishing erosion controls around site perimeter.
- Establishing decontamination facilities, wheel wash facilities, and construction entrance.
- Excavating and stockpiling cap soils containing a pH less than 8.5.
- Excavating, loading, transporting, and disposing of slag.
- Placing, grading, and compacting stockpiled cap soils.
- Operating existing water treatment system as required to capture and treat surface water with a pH above the regulatory limit for the duration of project.
- Hydroseeding disturbed areas.
- Restoring wetland buffer area.
- Reconstructing drainage ditches and interceptor drain.
- Removing construction facilities and demobilizing.
- Decommissioning the water treatment system.

What is the function of the construction activity?

☐ Residential ☐ Commercial ☐ Industrial ☐ Road Construction ☐ Linear Utility

☒ Other (please specify): Environmental Remediation

Estimated Project Start Date: 08/02/2010

Estimated Project Completion Date: 11/22/2010

1.4 Soils, Slopes, Vegetation, and Current Drainage Patterns

Instructions:

- Describe the existing soil conditions at the construction site including soil types, slopes and slope lengths, drainage patterns, and other topographic features that might affect erosion and sediment control.
- Also, note any historic site contamination evident from existing site features and known past usage of the site.
- This information should also be included on your site maps (See *SWPPP Guide*, Chapter 3.C.).
- For more information, see *SWPPP Guide*, Chapter 3.A.

Soil type(s):

Historic documentation indicates the cap consisted of Class B pit-run gravel and Class A 3-way mix top soil.

Slopes (describe current slopes and note any changes due to grading or fill activities):

Site contains significant slopes along the west and south sides of the property and drainage ditches along the eastside of the property.

Drainage Patterns (describe current drainage patterns and note any changes dues to grading or fill activities):

Preconstruction stormwater runoff flows along drainage ditch on eastside of property into

detention pond. Stormwater is also collected and treated on site and discharged into the City of Kent sanitary sewer system.

Vegetation:

The site supports unvegetated soil areas of shrubs, grass, and other undergrowth.

Other:

1.5 Construction Site Estimates

Instructions:

- Estimate the area to be disturbed by excavation, grading, or other construction activities, including dedicated off-site borrow and fill areas.
- Calculate the percentage of impervious surface area before and after construction
- Calculate the runoff coefficients before and after construction.
- For more information, see *SWPPP Guide*, Chapter 3.A and Appendix C.

The following are estimates of the construction site.

Total project area:	4.7 acres
Construction site area to be disturbed:	4.7 acres
Percentage impervious area before construction:	<5%
Runoff coefficient before construction:	0.10-0.30
Percentage impervious area after construction:	<5%
Runoff coefficient after construction	0.10-0.30

1.6 Receiving Waters

Instructions:

- List the waterbody(s) that would receive stormwater from your site, including streams, rivers, lakes, coastal waters, and wetlands. Describe each as clearly as possible, such as *Mill Creek, a tributary to the Potomac River*, and so on.
- Indicate the location of all waters, including wetlands, on the site map.
- Note any stream crossings, if applicable.
- List the storm sewer system or drainage system that stormwater from your site could discharge to and the waterbody(s) that it ultimately discharges to.
- If any of the waterbodies above are impaired and/or subject to Total Maximum Daily Loads (TMDLs), please list the pollutants causing the impairment and any specific requirements in the TMDL(s) that are applicable to construction sites. Your SWPPP should specifically include measures to prevent the discharge of these pollutants.
- For more information, see *SWPPP Guide*, Chapter 3.A and 3.B.
- Also, for more information and a list of TMDL contacts and links by state, visit www.epa.gov/npdes/stormwater/tmdl.

Description of receiving waters:

Garrison Creek

Description of storm sewer systems:

N/A

Description of impaired waters or waters subject to TMDLs:

N/A

Other:

1.7 Site Features and Sensitive Areas to be Protected

Instructions:

- Describe unique site features including streams, stream buffers, wetlands, specimen trees, natural vegetation, steep slopes, or highly erodible soils that are to be preserved.
- Describe measures to protect these features.
- Include these features and areas on your site maps.
- For more information, see *SWPPP Guide*, Chapter 3.A and 3.B.

Wetlands and steep slopes surrounding the site will have construction staking and flagging to denote 10-foot buffer zone. Will not impact existing vegetation within the buffer zone or steep slope areas. If slag is determined to extend into buffer zone at any location, engineer will be notified.

Description of unique features that are to be preserved:

N/A

Describe measures to protect these features:

N/A

1.8 Potential Sources of Pollution

Instructions:

- Identify and list all potential sources of sediment, which may reasonably be expected to affect the quality of stormwater discharges from the construction site.
- Identify and list all potential sources of pollution, other than sediment, which may reasonably be expected to affect the quality of stormwater discharges from the construction site.
- For more information, see *SWPPP Guide*, Chapter 3.A.

Potential sources of sediment to stormwater runoff:

- Clearing and grubbing operations
- Grading and site excavation operations
- Vehicle tracking
- Topsoil stripping and stockpiling
- Slag excavation and stockpiling
- Landscaping operations

Potential pollutants and sources, other than sediment, to stormwater runoff:

- Combined Staging Area – Small fueling activities, minor equipment maintenance, sanitary facilities,

Material/Chemical	Stormwater Pollutants	Location
Hydraulic Oil/Fluids	Mineral Oil	Leaks or broken hoses from equipment
Gasoline	Benzene, ethyl benzene, toluene, xylene, MTBE	Secondary containment/staging area
Diesel Fuel	Petroleum distillate, oil & grease, naphthalene, xylenes	Secondary containment/staging area
Antifreeze/Coolant	Ethylene Glycol, Propylene glycol, heavy metals (copper, lead, zinc)	Leaks or broken hoses from equipment
Sanitary Toilets	Bacteria, parasites, and viruses	Staging Area
Secondary Steel Slag	Lime ash (reacts with water)	Excavated Slag

1.9 Endangered Species Certification

Instructions:

- Before beginning construction, determine whether endangered or threatened species or their critical habitats are on or near your site.
- Adapt this section as needed for state or tribal endangered species requirements and, if applicable, document any measures deemed necessary to protect endangered or threatened species or their critical habitats.
- For more information on this topic, see *SWPPP Guide*, Chapter 3.B.
- Additional information on Endangered Species Act (ESA) provisions is at www.epa.gov/npdes/stormwater/esa

Are endangered or threatened species and critical habitats on or near the project area?

☐ Yes ☒ No

Describe how this determination was made:

Washington Department of Fish and Wildlife

If yes, describe the species and/or critical habitat:

If yes, describe or refer to documentation that determines the likelihood of an impact on identified species and/or habitat and the steps taken to address that impact. (Note, if species are on or near your project site, EPA strongly recommends that the site operator work closely with the appropriate field office of the U.S. Fish and Wildlife Service or National Marine Fisheries Service. For concerns related to state or tribal listing of species, please contact a state or tribal official.)

1.10 Historic Preservation

Instructions:

- Before you begin construction, you should review federal and any applicable state, local, or tribal historic preservation laws and determine if there are historic sites on or near your project. If so, you might need to make adjustments to your construction plans or to your stormwater controls to ensure that these historic sites are not damaged.
- For more information, see *SWPPP Guide*, Chapter 3.B or contact your state or tribal historic preservation officer.

Are there any historic sites on or near the construction site?

☐ Yes ☒ No

Describe how this determination was made:

National Register of Historic Places listings in King County, Washington

If yes, describe or refer to documentation that determines the likelihood of an impact on this historic site and the steps taken to address that impact.

1.11 Applicable Federal, Tribal, State or Local Programs

Instructions:

- Note other applicable federal, tribal, state or local soil and erosion control and stormwater management requirements that apply to your construction site.

N/A

1.12 Maps

Instructions:

- Attach site maps. For most projects, a series of site maps is recommended. The first should show the undeveloped site and its current features. An additional map or maps should be created to show the developed site or for more complicated sites show the major phases of development.

These maps should include the following:

- Direction(s) of stormwater flow and approximate slopes before and after major grading activities;
- Areas and timing of soil disturbance;
- Areas that will not be disturbed;
- Natural features to be preserved;
- Locations of major structural and non-structural BMPs identified in the SWPPP;
- Locations and timing of stabilization measures;
- Locations of off-site material, waste, borrow, or equipment storage areas;
- Locations of all waters of the United States, including wetlands;
- Locations where stormwater discharges to a surface water;
- Locations of storm drain inlets; and
- Areas where final stabilization has been accomplished.
- For more information, see *SWPPP Guide*, Chapter 3.C.

See Appendix A – Plans

SECTION 2: EROSION AND SEDIMENT CONTROL BMPS

Instructions:

- Describe the BMPs that will be implemented to control pollutants in stormwater discharges. For each major activity identified, do the following
  - ✓ Clearly describe appropriate control measures.
  - ✓ Describe the general sequence during the construction process in which the measures will be implemented.
  - ✓ Describe the maintenance and inspection procedures that will be used for that specific BMP.
  - ✓ Include protocols, thresholds, and schedules for cleaning, repairing, or replacing damaged or failing BMPs.
  - ✓ Identify staff responsible for maintaining BMPs.
  - ✓ (If your SWPPP is shared by multiple operators, indicate the operator responsible for each BMP.)
- Categorize each BMP under one of the following 10 areas of BMP activity as described below:
  - *2.1 Minimize disturbed area and protect natural features and soil*
  - *2.2 Phase Construction Activity*
  - *2.3 Control Stormwater flowing onto and through the project*
  - *2.4 Stabilize Soils*
  - *2.5 Protect Slopes*
  - *2.6 Protect Storm Drain Inlets*
  - *2.7 Establish Perimeter Controls and Sediment Barriers*
  - *2.8 Retain Sediment On-Site and Control Dewatering Practices*
  - *2.9 Establish Stabilized Construction Exits*
  - *2.10 Any Additional BMPs*
- Note the location of each BMP on your site map(s).
- For any structural BMPs, you should provide design specifications and details and refer to them. Attach them as appendices to the SWPPP or within the text of the SWPPP.
- For more information, see *SWPPP Guide*, Chapter 4.
- Consult your state's design manual or one of those listed in Appendix D of the *SWPPP Guide*.
- For more information or ideas on BMPs, see EPA's National Menu of BMPs http://www.epa.gov/npdes/stormwater/menuofbmps

2.1 Minimize Disturbed Area and Protect Natural Features and Soil

Instructions:

- Describe the areas that will be disturbed with each phase of construction and the methods (e.g., signs, fences) that you will use to protect those areas that should not be disturbed. Describe natural features identified earlier and how each will be protected during construction activity. Also describe how topsoil will be preserved. Include these areas and associated BMPs on your site map(s) also. (For more information, see *SWPPP Guide*, Chapter 4, ESC Principle 1.)
- Also, see EPA's *Preserving Natural Vegetation BMP Fact Sheet* at www.epa.gov/npdes/stormwater/menuofbmps/construction/perserve_veg

BMP C101: Preserving Natural Vegetation
BMP C102: Buffer Zones
BMP C104: Stake and Wire Fence

2.2 Phase Construction Activity

Instructions:

- Describe the intended construction sequencing and timing of major activities, including any opportunities for phasing grading and stabilization activities to minimize the overall amount of disturbed soil that will be subject to potential erosion at one time. Also, describe opportunities for timing grading and stabilization so that all or a majority of the soil disturbance occurs during a time of year with less erosion potential (i.e., during the dry or less windy season). (For more information, see *SWPPP Guide*, Chapter 4, ESC Principle 2.) It might be useful to develop a separate, detailed site map for each phase of construction.
- Also, see EPA's *Construction Sequencing BMP Fact Sheet* at http://www.epa.gov/npdes/stormwater/menuofbmps/construction/cons_seq)

- Phase I
  - Strip & Stockpile Topsoil
  - Estimated Start: 08/02/2010 Estimated End: 08/06/2010
    - BMP C101: Preserving Natural Vegetation
    - BMP C102: Buffer Zones
    - BMP C104: Stake and Wire Fence
    - BMP C105: Stabilized Construction Entrance
    - BMP C107: Construction Road/Parking Area Stabilization
    - BMP C123: Plastic Covering
    - BMP C140: Dust Control
    - BMP C150: Materials On Hand
    - BMP C153: Material Delivery, Storage, and Containment
    - BMP C160: Certified Erosion and Sediment Control Lead
    - BMP C162: Scheduling
    - BMP C202: Channel Lining
    - BMP C220: Storm Drain Inlet Protection
    - BMP C230: Straw Bale Barrier

    - BMP C233: Silt Fence
    - BMP C235: Straw Wattles

- Phase II
  - Excavate Out Slag to Create Clean Road Bed
  - Estimated Start: 08/09/2010 Estimated End: 08/13/2010
    - BMP C101: Preserving Natural Vegetation
    - BMP C102: Buffer Zones
    - BMP C104: Stake and Wire Fence
    - BMP C105: Stabilized Construction Entrance
    - BMP C106: Wheel Wash
    - BMP C107: Construction Road/Parking Area Stabilization
    - BMP C123: Plastic Covering
    - BMP C140: Dust Control
    - BMP C150: Materials On Hand
    - BMP C153: Material Delivery, Storage, and Containment
    - BMP C160: Certified Erosion and Sediment Control Lead
    - BMP C162: Scheduling
    - BMP C202: Channel Lining
    - BMP C220: Storm Drain Inlet Protection
    - BMP C230: Straw Bale Barrier
    - BMP C233: Silt Fence
    - BMP C235: Straw Wattles

  - Phase III
  - Load/Haul Slag From East Side
  - Estimated Start: 08/16/2010 Estimated End: 08/20/2010
    - BMP C101: Preserving Natural Vegetation
    - BMP C102: Buffer Zones
    - BMP C104: Stake and Wire Fence
    - BMP C105: Stabilized Construction Entrance
    - BMP C106: Wheel Wash
    - BMP C107: Construction Road/Parking Area Stabilization
    - BMP C123: Plastic Covering
    - BMP C140: Dust Control
    - BMP C150: Materials On Hand
    - BMP C153: Material Delivery, Storage, and Containment
    - BMP C160: Certified Erosion and Sediment Control Lead
    - BMP C162: Scheduling
    - BMP C202: Channel Lining
    - BMP C220: Storm Drain Inlet Protection
    - BMP C230: Straw Bale Barrier
    - BMP C233: Silt Fence
    - BMP C235: Straw Wattles

  - Phase IV
  - Move Clean From West to East Build Road On West Edge of Clean Stock Pile
  - Estimated Start: 08/23/2010 Estimated End: 08/27/2010
    - BMP C101: Preserving Natural Vegetation
    - BMP C102: Buffer Zones

- BMP C104: Stake and Wire Fence
- BMP C105: Stabilized Construction Entrance
- BMP C106: Wheel Wash
- BMP C107: Construction Road/Parking Area Stabilization
- BMP C123: Plastic Covering
- BMP C140: Dust Control
- BMP C150: Materials On Hand
- BMP C153: Material Delivery, Storage, and Containment
- BMP C160: Certified Erosion and Sediment Control Lead
- BMP C162: Scheduling
- BMP C202: Channel Lining
- BMP C220: Storm Drain Inlet Protection
- BMP C230: Straw Bale Barrier
- BMP C233: Silt Fence
- BMP C235: Straw Wattles

- Phase V
  - Load Haul Slag From West Side
  - Estimated Start: 08/30/2010 Estimated End: 09/03/2010
    - BMP C101: Preserving Natural Vegetation
    - BMP C102: Buffer Zones
    - BMP C104: Stake and Wire Fence
    - BMP C105: Stabilized Construction Entrance
    - BMP C106: Wheel Wash
    - BMP C107: Construction Road/Parking Area Stabilization
    - BMP C123: Plastic Covering
    - BMP C140: Dust Control
    - BMP C150: Materials On Hand
    - BMP C153: Material Delivery, Storage, and Containment
    - BMP C160: Certified Erosion and Sediment Control Lead
    - BMP C162: Scheduling
    - BMP C202: Channel Lining
    - BMP C220: Storm Drain Inlet Protection
    - BMP C230: Straw Bale Barrier
    - BMP C233: Silt Fence
    - BMP C235: Straw Wattles

- Phase VI
  - Final Grading
  - Estimated Start: 09/06/2010 Estimated End: 09/10/2010
    - BMP C101: Preserving Natural Vegetation
    - BMP C102: Buffer Zones
    - BMP C104: Stake and Wire Fence
    - BMP C105: Stabilized Construction Entrance
    - BMP C120: Temporary and Permanent Seeding
    - BMP C125: Topsoiling
    - BMP C140: Dust Control
    - BMP C150: Materials On Hand
    - BMP C153: Material Delivery, Storage, and Containment
    - BMP C160: Certified Erosion and Sediment Control Lead

- BMP C162: Scheduling
- BMP C220: Storm Drain Inlet Protection
- BMP C233: Silt Fence
- BMP C235: Straw Wattles

2.3 Control Stormwater Flowing onto and through the Project

Instructions:

- Describe structural practices (e.g., diversions, berms, ditches, storage basins) including design specifications and details used to divert flows from exposed soils, retain or detain flows, or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. (For more information, see *SWPPP Guide*, Chapter 4, ESC Principle 3.)

BMP Description: Temporary Re-Aligned Drainage Ditch	
Installation Schedule:	Prior to excavating
Maintenance and Inspection:	See Attached Plans
Responsible Staff:	Mark McCullough

2.4 Stabilize Soils

Instructions:

- Describe controls (e.g., interim seeding with native vegetation, hydroseeding) to stabilize exposed soils where construction activities have temporarily or permanently ceased. Also describe measures to control dust generation. Avoid using impervious surfaces for stabilization whenever possible. (For more information, see *SWPPP Guide*, Chapter 4, ESC Principle 4.)
- Also, see EPA's *Seeding BMP Fact Sheet* at www.epa.gov/npdes/stormwater/menuofbmps/construction/seeding

BMP Description: Permanent stabilization will be done immediately after the final design grades are achieved. Native species of plants will be used to establish vegetative cover on exposed soils.

☒ ***Permanent***	☐ ***Temporary***
Installation Schedule:	Portions of the site where construction activities have permanently ceased will be stabilized, as soon as possible
Maintenance and Inspection:	After construction is completed at the site, permanently stabilized areas will be monitored until final stabilization is reached.
Responsible Staff:	Mark McCullough

2.5 Protect Slopes

Instructions:

- Describe controls (e.g., erosion control blankets, tackifiers) including design specifications and details that will be implemented to protect all slopes. (For more information, see *SWPPP Guide*, Chapter 4, ESC Principle 5.)
- Also, see EPA's *Geotextiles BMP Fact Sheet* at www.epa.gov/npdes/stormwater/menuofbmps/construction/geotextiles

BMP Description: Permanent stabilization will be done immediately after the final design grades are achieved. Native species of plants will be used to establish vegetative cover on exposed soils

Installation Schedule:	Portions of the site where construction activities have permanently ceased will be stabilized, as soon as possible
Maintenance and Inspection:	After construction is completed at the site, permanently stabilized areas will be monitored until final stabilization is reached.
Responsible Staff:	Mark McCullough

2.6 Protect Storm Drain Inlets

Instructions:

- Describe controls (e.g., inserts, rock-filled bags, or block and gravel) including design specifications and details that will be implemented to protect all inlets receiving stormwater from the project during the entire project. (For more information, see *SWPPP Guide*, Chapter 4, ESC Principle 6.)
- Also, see EPA's *Storm Drain Inlet Protection BMP Fact Sheet* at www.epa.gov/npdes/stormwater/menuofbmps/construction/storm_drain

BMP Description: Catchbasin Filters

Installation Schedule:	Catchbasin Filters - Inserts should be designed by the manufacturer for use at construction sites. The limited sediment storage capacity increases the amount of inspection and maintenance required, which may be daily for heavy sediment loads. The maintenance requirements can be reduced by combining a catchbasin filter with another type of inlet protection. This type of inlet protection provides flow bypass without overflow and therefore may be a better method for inlets located along active rights-of way.
Maintenance and Inspection:	Catch basin filters should be inspected frequently, especially after storm events. If the insert becomes clogged, it should be cleaned or replaced.
Responsible Staff:	Mark McCullough

2.7 Establish Perimeter Controls and Sediment Barriers

Instructions:

- Describe structural practices (e.g., silt fences or fiber rolls) including design specifications and details to filter and trap sediment before it leaves the construction site. (For more information, see *SWPPP Guide*, Chapter 4, ESC Principle 7.)
- Also see, EPA's *Silt Fence BMP Fact Sheet* at www.epa.gov/npdes/stormwater/menuofbmps/construction/silt_fences, or *Fiber Rolls BMP Fact Sheet* at www.epa.gov/npdes/stormwater/menuofbmps/construction/fiber_rolls

BMP Description: Buffer Zones	
Installation Schedule:	Catch basin filters should be inspected frequently, especially after storm events. If the insert becomes clogged, it should be cleaned or replaced.
Maintenance and Inspection:	Inspect the area frequently to make sure flagging remains in place and the area remains undisturbed.
Responsible Staff:	Mark McCullough

BMP Description: Silt Fence	
Installation Schedule:	The contractor shall install and maintain temporary silt fences at the locations shown in the Plans. The silt fences shall be constructed in the areas of clearing, grading, or drainage prior to starting those activities. A silt fence shall not be considered temporary if the silt fence must function beyond the life of the contract. The silt fence shall prevent soil carried by runoff water from going beneath, through, or over the top of the silt fence, but shall allow the water to pass through the fence. See Plans
Maintenance and Inspection:	Any damage shall be repaired immediately.
Responsible Staff:	Mark McCullough

2.8 Retain Sediment On-Site

Instructions:

- Describe sediment control practices (e.g., sediment trap or sediment basin), including design specifications and details (volume, dimensions, outlet structure) that will be implemented at the construction site to retain sediments on-site. (For more information, see *SWPPP Guide*, Chapter 4, ESC Principle 8.)
- Also, see EPA's *Sediment Basin BMP Fact Sheet* at www.epa.gov/npdes/stormwater/menuofbmps/construction/sediment_basins

BMP Description: Wheel Wash	
Installation Schedule:	See Plans
Maintenance and Inspection:	The wheel wash should start out the day with fresh water. The wash water should be changed a minimum of once per day. On large earthwork jobs where more than 10-20 trucks per hour are expected, the wash water will need to be changed more often. Wheel wash or tire bath wastewater shall be discharged to a separate onsite treatment system, such as closed-loop recirculation or land application, or to the sanitary sewer with proper local sewer district approval.
Responsible Staff:	Mark McCullough

BMP Description: Silt Fence	
Installation Schedule:	The contractor shall install and maintain temporary silt fences at the locations shown in the Plans. The silt fences shall be constructed in the areas of clearing, grading, or drainage prior to starting those activities. A silt fence shall not be considered temporary if the silt fence must function beyond the life of the contract. The silt fence shall prevent soil carried by runoff water from going beneath, through, or over the top of the silt fence, but shall allow the water to pass through the fence. See Plans
Maintenance and Inspection:	Any damage shall be repaired immediately.
Responsible Staff:	Mark McCullough

2.9 Establish Stabilized Construction Exits

Instructions:

- Describe location(s) of vehicle entrance(s) and exit(s), procedures to remove accumulated sediment off-site (e.g., vehicle tracking), and stabilization practices (e.g., stone pads or wash racks or both) to minimize off-site vehicle tracking of sediments and discharges to stormwater. (For more information, see *SWPPP Guide*, Chapter 4, ESC Principle 9.)
- Also, see EPA's *Construction Entrances BMP Fact Sheet* at www.epa.gov/npdes/stormwater/menuofbmps/construction/cons_entrance

BMP Description: Stabilized Construction Entrance	
Installation Schedule:	See Plans for details
Maintenance and Inspection:	• Quarry spalls (or hog fuel) shall be added if the pad is no longer in accordance with the specifications. • If the entrance is not preventing sediment from being tracked onto pavement, then alternative measures to keep the streets free of sediment shall be used. This may include street sweeping, an

	increase in the dimensions of the entrance, or the installation of a wheel wash. • Any sediment that is tracked onto pavement shall be removed by shoveling or street sweeping. The sediment collected by sweeping shall be removed or stabilized on site. The pavement shall not be cleaned by washing down the street, except when sweeping is ineffective and there is a threat to public safety. If it is necessary to wash the streets, the construction of a small sump shall be considered. The sediment would then be washed into the sump where it can be controlled. • Any quarry spalls that are loosened from the pad, which end up on the roadway shall be removed immediately. • If vehicles are entering or exiting the site at points other than the construction entrance(s), fencing (see BMPs C103 and C104) shall be installed to control traffic. • Upon project completion and site stabilization, all construction accesses intended as permanent access for maintenance shall be permanently stabilized.
Responsible Staff:	Mark McCullough

BMP Description: Wheel Wash	
Installation Schedule:	See Plans
Maintenance and Inspection:	The wheel wash should start out the day with fresh water. The wash water should be changed a minimum of once per day. On large earthwork jobs where more than 10-20 trucks per hour are expected, the wash water will need to be changed more often. Wheel wash or tire bath wastewater shall be discharged to a separate onsite treatment system, such as closed-loop recirculation or land application, or to the sanitary sewer with proper local sewer district approval.
Responsible Staff:	Mark McCullough

2.10 Additional BMPs

Instructions:

– Describe additional BMPs that do not fit into the above categories.

N/A

SECTION 3: GOOD HOUSEKEEPING BMPS

Instructions:

- Describe the key good housekeeping and pollution prevention (P2) BMPs that will be implemented to control pollutants in stormwater.
- Categorize each good housekeeping and pollution prevention (P2) BMP under one of the following seven categories:
  - *3.1 Material Handling and Waste Management*
  - *3.2 Establish Proper Building Material Staging Areas*
  - *3.3 Designate Washout Areas*
  - *3.4 Establish Proper Equipment/Vehicle Fueling and Maintenance Practices*
  - *3.5 Allowable Non-Stormwater Discharges and Control Equipment/Vehicle Washing*
  - *3.6 Spill Prevention and Control Plan*
  - *3.7 Any Additional BMPs*
- For more information, see *SWPPP Guide*, Chapter 5.
- Consult your state's design manual or resources in Appendix D of the *SWPPP Guide*.
- For more information or ideas on BMPs, see EPA's National Menu of BMPs http://www.epa.gov/npdes/stormwater/menuofbmps

3.1 Material Handling and Waste Management

Instructions:

- Describe measures (e.g., trash disposal, sanitary wastes, recycling, and proper material handling) to prevent the discharge of solid materials to receiving waters, except as authorized by a permit issued under section 404 of the CWA (For more information, see *SWPPP Guide*, Chapter 5, P2 Principle 1.)
- Also, see EPA's *General Construction Site Waste Management BMP Fact Sheet* at www.epa.gov/npdes/stormwater/menuofbmps/construction/cons_wasteman

BMP Description: All waste material will be collected and disposed of offsite	
Installation Schedule:	Trash bags will be onsite for collection of small construction waste. All other waste will be disposed of at the proper facilities.
Maintenance and Inspection:	Inspecting and maintaining site will be an ongoing process
Responsible Staff:	Mark McCullough

BMP Description: Sanitary facilities will be provided at the site throughout the project.	
Installation Schedule:	Portable toilet will be brought to site once crew has mobilized.
Maintenance and Inspection:	Sanitary waste will be collected weekly throughout the project by a sanitary services provider
Responsible Staff:	Mark McCullough

3.2 Establish Proper Building Material Staging Areas

Instructions:

- Describe construction materials expected to be stored on-site and procedures for storage of materials to minimize exposure of the materials to stormwater. (For more information, see *SWPPP Guide*, Chapter 5, P2 Principle 2.)

N/A

3.3 Designate Washout Areas

Instructions:

- Describe location(s) and controls to eliminate the potential for discharges from washout areas for concrete mixers, paint, stucco, and so on. (For more information, see *SWPPP Guide*, Chapter 5, P2 Principle 3.)
- Also, see EPA's *Concrete Washout BMP Fact Sheet* at www.epa.gov/npdes/stormwater/menuofbmps/construction/concrete_wash

N/A

3.4 Establish Proper Equipment/Vehicle Fueling and Maintenance Practices

Instructions:

- Describe equipment/vehicle fueling and maintenance practices that will be implemented to control pollutants to stormwater (e.g., secondary containment, drip pans, and spill kits) (For more information, see *SWPPP Guide*, Chapter 5, P2 Principle 4.)
- Also, see EPA's *Vehicle Maintenance and Washing Areas BMP Fact Sheet* at www.epa.gov/npdes/stormwater/menuofbmps/construction/vehicile_maintain

BMP Description: Several types of vehicles and equipment will be used on-site throughout the project, including excavators, dump trucks and small equipment vehicles. All major equipment/vehicle maintenance will occur on-site.

Installation Schedule:	BMPs implemented for equipment and vehicle maintenance and fueling activities will begin at the start of the project.
Maintenance and Inspection:	Inspect equipment/vehicle storage areas and fuel tank weekly and after storm events. Vehicles and equipment will be inspected on each day of use. Leaks will be repaired immediately, or the problem vehicle(s) or equipment will be removed from the project site.
Responsible Staff:	Mark McCullough

3.5 Control Equipment/Vehicle Washing

Instructions:

- Describe equipment/vehicle washing practices that will be implemented to control pollutants to stormwater. (For more information, see *SWPPP Guide*, Chapter 5, P2 Principle 5.)
- Also, see EPA's *Vehicle Maintenance and Washing Areas BMP Fact Sheet* at www.epa.gov/npdes/stormwater/menuofbmps/construction/vehicile_maintain

N/A

3.6 Spill Prevention and Control Plan

Instructions:

- Describe the spill prevention and control plan to include ways to reduce the chance of spills, stop the source of spills, contain and clean up spills, dispose of materials contaminated by spills, and train personnel responsible for spill prevention and control. (For more information, see *SWPPP Guide*, Chapter 5, P2 Principle 6.)
- Also, see EPA's *Spill Prevention and Control Plan BMP Fact sheet* at www.epa.gov/npdes/stormwater/menuofbmps/construction/spill_control

BMP Description:

- Vehicle Maintenance: Vehicles and equipment will be maintained off-site. All vehicles and equipment including subcontractor vehicles will be checked for leaking oil and fluids. Vehicles leaking fluids will not be allowed on-site.
- Spills: All spills will be cleaned up immediately upon discovery. Spent absorbent materials and rags will be hauled off-site immediately after the spill is cleaned up for disposal at Middletown Landfill. Spills large enough to discharge to surface water will be reported to the National Response Center at 1-800-424-8802.

Installation Schedule:	The spill prevention and control procedures will be implemented once construction begins on-site.
Maintenance and Inspection:	All personnel will be instructed, during tailgate training sessions, regarding the correct procedures for spill prevention and control. The individual who manages day-to-day site operations will be responsible for seeing that these procedures

	are followed.
Responsible Staff:	Mark McCullough

3.7 Any Additional BMPs

Instructions:

- Describe any additional BMPs that do not fit into the above categories. Indicate the problem they are intended to address.

N/A

3.8 Allowable Non-Stormwater Discharge Management

Instructions:

- Identify all allowable sources of non-stormwater discharges that are not identified. The allowable non-stormwater discharges identified might include the following (see your permit for an exact list):
  - ✓ Waters used to wash vehicles where detergents are not used
  - ✓ Water used to control dust
  - ✓ Potable water including uncontaminated water line flushings
  - ✓ Routine external building wash down that does not use detergents
  - ✓ Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used
  - ✓ Uncontaminated air conditioning or compressor condensate
  - ✓ Uncontaminated ground water or spring water
  - ✓ Foundation or footing drains where flows are not contaminated with process materials such as solvents
  - ✓ Uncontaminated excavation dewatering
  - ✓ Landscape irrigation
- Identify measures used to eliminate or reduce these discharges and the BMPs used to prevent them from becoming contaminated.
- For more information, see *SWPPP Guide*, Chapter 3.A.

List allowable non-stormwater discharges and the measures used to eliminate or reduce them and to prevent them from becoming contaminated:

BMP Description: Dust control will be implemented as needed once site grading has begun and during windy conditions (forecasted or actual wind conditions of 20 mph or greater) while site grading is occurring.

Installation Schedule:	When necessary
Responsible Staff:	Mark McCullough

SECTION 4: SELECTING POST-CONSTRUCTION BMPs

Instructions:

- Describe all post-construction stormwater management measures that will be installed during the construction process to control pollutants in stormwater discharges after construction operations have been completed. Examples of post-construction BMPs include the following:
  - ✓ Biofilters
  - ✓ Detention/retention devices
  - ✓ Earth dikes, drainage swales, and lined ditches
  - ✓ Infiltration basins
  - ✓ Porous pavement
  - ✓ Other proprietary permanent structural BMPs
  - ✓ Outlet protection/velocity dissipation devices
  - ✓ Slope protection
  - ✓ Vegetated strips and/or swales
- Identify any applicable federal, state, local, or tribal requirements for design or installation.
- Describe how low-impact designs or smart growth considerations have been incorporated into the design.
- For any structural BMPs, you should have design specifications and details and refer to them. Attach them as appendices to the SWPPP or within the text of the SWPPP.
- For more information on this topic, see your state's stormwater manual.
- You might also want to consult one of the references listed in Appendix D of the *SWPPP Guide*.
- Visit the post-construction section of EPA's Menu of BMPs at: www.epa.gov/npes/menuofbmps

N/A

SECTION 5: INSPECTIONS

5.1 Inspections

Instructions:

- Identify the individual(s) responsible for conducting inspections and describe their qualifications. Reference or attach the inspection form that will be used.
- Describe the frequency that inspections will occur at your site including any correlations to storm frequency and intensity.
- Note that inspection details for particular BMPs should be included in Sections 2 and 3.
- You should also document the repairs and maintenance that you undertake as a result of your inspections. These actions can be documented in the corrective action log described in Part 5.3 below.
- For more on this topic, see *SWPPP Guide*, Chapters 6 and 8.
- Also, see suggested inspection form in Appendix B of the *SWPPP Guide*.

1. ***Inspection Personnel:*** Identify the person(s) who will be responsible for conducting inspections and describe their qualifications:

   Jim Ausburn, City of Kent

2. ***Inspection Schedule and Procedures:***

   Describe the inspection schedules and procedures you have developed for your site (include frequency of inspections for each BMP or group of BMPs, indicate when you will inspect, e.g., before/during/and after rain events, spot inspections):

   Inspections will be scheduled as per the NPDES general construction permit.

   Describe the general procedures for correcting problems when they are identified. Include responsible staff and time frames for making corrections:

   Steps for correcting problems will follow procedures agreed to in the contract.

See Appendix B for inspection forms.

SECTION 6: RECORDKEEPING AND TRAINING

6.1 Recordkeeping

Instructions:

- The following is a list of records you should keep at your project site available for inspectors to review:
- Dates of grading, construction activity, and stabilization (which is covered in Sections 2 and 3)
- A copy of the construction general permit (attach)
- The signed and certified NOI form or permit application form (attach)
- A copy of the letter from EPA or/the state notifying you of their receipt of your complete NOI/application (attach)
- Inspection reports (attach)
- Records relating to endangered species and historic preservation (attach)
- Check your permit for additional details
- For more on this subject, see *SWPPP Guide*, Chapter 6.C.

Records will be retained for a minimum period of at least 3 years after the permit is terminated.

Date(s) when major grading activities occur:
All construction activities are recorded daily on the companies Daily Field Report form.

See Appendix C for recordkeeping forms.

6.2 Training

Instructions:

- Training your staff and subcontractors is an effective BMP. As with the other steps you take to prevent stormwater problems at your site, you should document the training that you conduct for your staff, for those with specific stormwater responsibilities (e.g. installing, inspecting, and maintaining BMPs), and for subcontractors.
- Include dates, number of attendees, subjects covered, and length of training.
- For more on this subject, see *SWPPP Guide*, Chapter 8.

Individual(s) Responsible for Training:
Jennifer Brown

SECTION 7: FINAL STABILIZATION

Instructions:

- Describe procedures for final stabilization. If you complete major construction activities on part of your site, you can document your final stabilization efforts for that portion of the site. Many permits will allow you to then discontinue inspection activities in these areas (be sure to check your permit for exact requirements). You can amend or add to this section as areas of your project are finally stabilized.
- Update your site plans to indicate areas that have achieved final stabilization.
- Note that dates for areas that have achieved final stabilization should be included in Section 6, Part 6.1 of this SWPPP.
- For more on this topic, see *SWPPP Guide*, Chapter 9.

BMP Description: Hydroseeding & Landscaping

Installation Schedule:	Once excavation and final grading activities have been completed site will be restored to conditions that meet or exceed the conditions of the site prior to the project's work activities.
Responsible Staff:	Mark McCullough

SECTION 8: CERTIFICATION AND NOTIFICATION

Instructions:

- The SWPPP should be signed and certified by the construction operator(s). Attach a copy of the NOI and permit authorization letter received from EPA or the state in Appendix D.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: _____ Title: _____

Signature: _____ Date: _____

Repeat as needed for multiple construction operators at the site

SWPPP APPENDICES

Attach the following documentation to the SWPPP:

Appendix A – Plans

Appendix B – Inspection Forms

Appendix C – Recordkeeping

Appendix D – Permits

APPENDIX C
PERMITS

COMPLETION AND COMPLIANCE MONITORING REPORT
Slag Disposal, Beckwith Property Site
South 218th Street and 90th Avenue South
Kent, Washington

Farallon PN: 831-022

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
PO Box 47600 • Olympia, WA 98504-7600 • 360-407-6000
711 for Washington Relay Service • Persons with a speech disability can call 877-833-6341

July 21, 2010

Gilbert Leon
Earle M. Jorgensen
10650 Alameda Street
Lynnwood, CA 90262-1754

Dear Mr. Leon:

RE: Construction Stormwater General Permit
Permit Number: **WAR-012518**

Site Name:	Kent Slag Pile
Location:	South 218th St and 88th Ave South
	Kent, WA King County
Disturbed Acres	1.7
Receiving Water:	Garrison Creek

The Washington Department of Ecology (Ecology) has reviewed your application for coverage under the Construction Stormwater General Permit, and has decided to issue permit coverage effective July 21, 2010. **Please retain this permit coverage letter with your permit (enclosed), stormwater pollution prevention plan (SWPPP), and site log book. It is the official record of permit coverage for your site.**

This letter explains some of the new requirements in the new general permit for construction sites that disturb from one to less than five acres. Please take time to read the new permit, and contact Ecology if you have any questions.

Inspections (Special Condition S4, pages 10-12 for additional information)

- You must conduct weekly visual inspections of your site to ensure your best management practices (BMPs) are functioning properly.
- A Certified Erosion and Sediment Control Lead (CESCL) must inspect your site. Ecology maintains a list of training classes to obtain CESCL certification on its website: http://www.ecy.wa.gov/programs/wq/stormwater/cescl.htm.
- You must keep the inspection results in your site log book and make them available for Ecology or the local jurisdiction to review. You may use the enclosed inspection report template. You must keep these results in your site log book.

Sampling and Analysis (Special Condition S4, pages 10-12 for additional information)

- Operators of sites from one to less than five acres must sample stormwater discharges for turbidity using a turbidity meter or transparency tube, unless the discharge goes to an impaired waterbody

- Permittees must sample stormwater discharges for pH if the project involves any amount of engineered soils (cement treated base, cement kiln dust, fly ash, etc.) or over 1,000 cubic yards of poured or recycled concrete.
- Permittees must sample stormwater discharges for pH if the project involves any amount of engineered soils (cement treated base, cement kiln dust, fly ash, etc.) or more than 1,000 cubic yards of poured and/or recycled concrete.
- The permit sets benchmark (target) levels for turbidity, transparency, and pH. When discharge samples exceed a benchmark, you must follow additional permit requirements.
- Submit all sampling data to Ecology each month on the enclosed discharge monitoring report (DMR). The DMR includes instructions on how to perform sampling and reporting. You must submit a DMR to Ecology even if you do not collect any samples.

High Turbidity Phone Reporting (Special Condition S5.A, page 15 for more information)

- If your site discharges stormwater with a turbidity result greater than or equal to 250 NTUs, you must notify Ecology by phone within 24 hours. Call the Ecology regional office and state, "I'm reporting a high turbidity construction stormwater discharge of (your sample result) NTUs." Include all of the following information in your phone message:

1. Your Name / Phone Number
2. Permit Number
3. City / County of Project
4. Date / Time of Call
5. Date / Time of Sample
6. Project Name

Ecology Regional Office & Phone Number

Northwest Region (Kitsap, Snohomish, Island, King, San Juan, Skagit, Whatcom): (425) 649-7000

Discharge Monitoring Reports (Special Condition S5.B, page for additional information)

- Permittees must submit DMRs to Ecology each month, even if there is no discharge to report.
- You must ensure that the DMRs arrive at Ecology by the 15th of each month. Please plan accordingly to meet this requirement.

Discharges to Impaired Waterbodies (Special Condition S9, pages 18-21 for additional information)

- If your site discharges into a water body that is on the impaired waterbodies list (i.e., the "303(d)" list) for turbidity, fine sediment, high pH, or phosphorus, you must sample for more parameters. Ecology will notify you if any additional sampling requirements apply.

Stormwater Pollution Prevention Plan (Special Condition S9, pages 21-29 for additional information)

- Each site must have a complete Stormwater Pollution Prevention Plan (SWPPP) on the site prior to the start of construction. This plan describes the erosion and sediment control measures used on the site to protect water quality.
- Remember to keep your SWPPP updated. The permit contains specific timelines for SWPPP updates based on inspection results by the CECSL or Ecology inspector.

Permit Transfer

- When you sell or transfer operational control of all, or a portion, of your site to one or more new operator(s), you must also transfer permit coverage.
- To transfer permit coverage, submit a Transfer of Coverage form to Ecology. You can download the form off our website listed at the end of this letter.

Notice of Termination (Special Condition S10, page 29 for additional information)

- You may request termination (cancel) when the site has undergone final stabilization with permanent vegetation or equivalent measures that prevent erosion or when all unstabilized portions of the site have been sold.
- To request termination of permit coverage, submit a Notice of Termination (NOT) to Ecology. If you do not submit an NOT, you will remain responsible for permit compliance and permit fees.

Appeal of Permit Coverage

You may appeal the terms and conditions of a general permit, as they apply to an individual discharger, within 30 days of the effective date of coverage of that discharger (see Chapter 43.21B RCW). This appeal is limited to the general permit's applicability or non-applicability to a specific discharger.

The Revised Code of Washington (RCW) 43.21.B310, contains the procedures and requirements for the appeal process. Appeals should be directed to:

Pollution Control Hearings Board
PO Box 40903
Olympia, Washington 98504-0903

Department of Ecology
Appeals Coordinator
P.O. Box 47608
Olympia, Washington 98504-7608

Additional Information
Ecology is committed to providing assistance to you. Please review our web page at http://www.ecy.wa.gov/programs/wq/stormwater/construction/. Now available — a stormwater sampling video that demonstrates appropriate sampling methods!

Questions
For questions about transfers, terminations, and other administrative issues, please contact Clay Keown at 360-407-6048 or Ckeo461@ecy.wa.gov.

Ecology Regional Assistance
If you have questions regarding stormwater management issues at your construction site, please contact Megan Darrow at 425-649-4485 of Ecology's Northwest Regional Office.

If you have questions regarding this letter, please call Clay Keown at 360-407-6048.

Sincerely,

Bill Moore, P.E., Manager
Program Development Services Section
Water Quality Program

Enclosure: Construction Stormwater General Permit

cc: Ecology Permit Fee Unit, HQ
Stormwater File, HQ

PERMIT NUMBER: WAR-012518

CONSTRUCTION STORMWATER GENERAL PERMIT
DISCHARGE MONITORING REPORT (DMR)
DO NOT ALTER THIS FORM

PROJECT INFORMATION

Site Name: Kent Slag Pile
Disturbed Acreage: 1.7
Location: South 218th St and 88th Ave South
County: King

Company: Earle M. Jorgensen
Permittee/Operator: Gilbert Leon
Mailing Address: 10650 Alameda Street
Lynnwood, CA 90262-1754

MONITORING DOCUMENTATION

Unique Discharge/Monitoring Point: _____
Use same description each month
Use one DMR for each monitoring point

Monitoring Period: _____
Month/Year

Please send your Discharge Monitoring Report (DMR) to Ecology every month, **even if there is no discharge**. Also, read the attached instructions before completing the DMR. If a section does not apply, please annotate "N/A", leaving no blanks.

Weekly Monitoring	Sampling Date Month/Day/Year	Turbidity NTU	Transparency Centimeters Sites less than 5 acres only	pH If applicable	Treatment BMPs Used Prior to Discharge from Site (List all that apply) P = Sediment Pond/Trap/Tank/Vault C = Chemical Treatment/Sand Filter S = Silt Fence W = Straw Wattles/Coir Wattles D = Check Dam/Triangular Silt Dike O = Other	No Discharge This Week Check if applicable
Example	10/06/06	32	N/A	N/A	P, S, W	
Week 1						
Week 2						
Week 3						
Week 4						
Week 5						

☐ No soil disturbing construction activities have taken place on the site yet. Construction is expected to begin on _____

☐ There was no discharge during normal working hours this month (provide comments or explanation below)

COMMENTS / EXPLANATIONS (ATTACH EXTRA SHEET IF NECESSARY):

NAME / PHONE NUMBER OF ON-SITE CONTACT PERSON WHO CAN ANSWER QUESTIONS RELATED TO THIS REPORT:

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY JUDGEMENT OR MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION; I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. *(PENALTIES UNDER THESE STATUES MAY INCLUDE FINES UP TO $10,000.00 AND/ OR MAXIMUM IMPRISONMENT OF BETWEEN SIX MONTHS AND FIVE YEARS.)*

NAME/TITLE OF PERSON WITH SIGNATORTY AUTHORITY (SEE INSTRUCTIONS)	DATE: MONTH DAY YEAR
SIGNATURE OF PERSON WITH SIGNATORY AUTHORITY	PHONE NUMBER OF PERSON WITH SIGNATORY AUTHORITY

MAIL YOUR DMR (WITHOUT INSTRUCTIONS PAGE) TO:
DEPARTMENT OF ECOLOGY, WATER QUALITY PROGRAM – CONSTRUCTION STORMWATER,
P.O. BOX 47696, OLYMPIA, WA 98504-7696

PERMIT NUMBER: WAR-012518

DAILY TURBIDITY/TRANSPARENCY SAMPLING LOG

Note: Daily sampling is triggered by turbidity sampling results over 250 NTU's, or transparency results less than 6 cm.

S	M	T	W	T	F	S

MAIL YOUR DMR (WITHOUT INSTRUCTIONS PAGE) TO:
DEPARTMENT OF ECOLOGY, WATER QUALITY PROGRAM – CONSTRUCTION STORMWATER,
P.O. BOX 47696, OLYMPIA, WA 98504-7696

INSTRUCTIONS AND FREQUENTLY ASKED QUESTIONS FOR COMPLETING THE DMR FORM

PROJECT INFORMATION

1. How can I update contact information and/or mailing addresses? You may update any project information by submitting a Notice of Intent (NOI) Application Form and checking the box in the upper right hand corner next to "Change/Update Permit Information". Complete only the boxes that are being updated and submit the signed form to the same address as the DMR.

MONITORING DOCUMENTATION

1. How often do I sample? Once you disturb the soil, you must conduct sampling at least once every calendar week when stormwater (or authorized non-stormwater) flows off of the site.

2. Where do I sample? You must take samples from all discharge points where stormwater (or authorized non-stormwater such as de-watering water) flows off-site.

3. When stormwater leaves my site from more than one location, what do I need to do?
   a. Use a separate DMR sheet for each location where stormwater is discharged from the site.
   b. Enter a unique name or description of the monitoring location (for example: Pond 1; or West Ditch). You must use the **same** monitoring location name each month.
   c. Identify all sampling point(s) on the map in your Storm Water Pollution Prevention Plan (SWPPP). You must also clearly mark each sample point in the field with a flag, tape, stake or other visible marker.

4. What if I don't have a discharge off site for an entire week? If there was no discharge during **a calendar week**, you need not take a sample. Mark an X in the "No Discharge" column for that week on the DMR form. If there was no discharge **during a calendar month**, mark the "No Discharge" box at the bottom of the table.

5. If it rains at 3 AM on my site, do I have to get up and sample at that hour? You need not sample outside of normal working hours or during unsafe conditions. If you are unable to sample during a monitoring period, you must include a brief explanation in the "Comment/Explanation" box of the DMR.

6. What kind of stormwater turbidity/transparency sampling do I have to do? If construction activity disturbs 5 acres or more, the permit requires you to conduct turbidity sampling, using a turbidity meter. If construction activity disturbs greater than or equal to 1 acre, but less than 5 acres, you may use either a transparency tube **or** a turbidity meter. You must enter turbidity or transparency values collected each week on the DMR.

7. What if my turbidity result is greater than 250 NTU or my transparency is less than 6 centimeters (cm)? If any discharge is greater than 250 NTU or less than 6 centimeters (cm) transparency, you must begin daily sampling. You must also record the values in the attached sampling log (on page 2). Write the date, sampling result (value), and unit (NTU or cm). Continue to sample daily until:
   a. Turbidity is 25 NTU (or lower); or
   b. Transparency is 31 cm (or greater); or
   c. The CESCL has determined compliance with the water quality standard for turbidity:
      1. No more than 5 NTU over background turbidity, if background is less than 50 NTU, or
      2. No more than 10% over background turbidity, if background is 50 NTU or greater; or
   d. The discharge stops or is eliminated.

8. When do I have to sample for pH? If construction activity will result in the disturbance of 1 acre or more, **and** involves *significant concrete work* or the use of *engineered soils*, **and** stormwater from the affected area drains to surface waters of the state or to a storm sewer system, the Permittee must conduct *pH* monitoring:
   a. Definitions:
      - *Significant Concrete Work* means greater than 1,000 cubic yards poured or recycled concrete.
        - For poured concrete, the 1,000 cubic yard threshold is met if a single or multiple concrete pours on the site results in greater than 1,000 cubic yards of concrete curing at the same time. Typical curing time is less than 30 days. If individual concrete pours smaller than 1,000 cubic yards occur more than 30 days apart, pH sampling is not required unless required by Ecology order.
        - For recycled concrete, the 1,000 cubic yard threshold is met if greater than 1,000 cubic yards of concrete is recycled or crushed on-site.
      - *Engineered Soils* means the use of soil amendments including, but not limited to, Portland cement treated base (CTB), cement kiln dust (CKD), or fly ash to achieve certain desirable soil characteristics.

b. For *significant concrete work*, pH monitoring begins when the concrete is first exposed to precipitation and continues weekly until stormwater pH is 8.5 or less prior to discharge.
c. For sites with engineered soils, the pH monitoring period commences when the soil amendments are first exposed to precipitation and continues until the area of engineered soils is fully stabilized.
d. During the pH monitoring period, the Permittee must obtain a representative sample of stormwater and conduct pH analysis at least once per week.
e. The Permittee must monitor pH in the sediment trap/pond(s) or other locations prior to discharge from the site.
f. The benchmark value for pH is 8.5 standard units. Any time sampling indicates that pH is 8.5 or greater, the Permittee must:
   1. Prevent the high pH water (8.5 or above) from entering the storm sewer systems or surface waters; and
   2. If necessary, adjust or neutralize the high pH water using an appropriate treatment BMP such as carbon dioxide (CO_2) sparging or dry ice. The permittee must obtain written approval from Ecology prior to using any form of chemical treatment other than CO_2 sparging or dry ice. Information on CO_2 sparging / dry ice BMP can be found on Ecology's web site at: www.ecy.wa.gov/programs/wq/stormwater.
g. The Permittee shall perform pH analysis on-site with a calibrated pH meter, pH test kit, or wide range pH indicator paper. The Permittee must record pH monitoring results in the site log book.

9. What do the treatment BMP letter codes on the form mean? For any discharge, report the type of treatment Best Management Practice(s) (BMPs) applied to the stormwater (or non-stormwater) prior to discharge from the site. Use the letter code (e.g., P for Pond) that corresponds to the type of BMP used for the specific discharge. BMP codes are listed on the DMR. If multiple treatment BMPs are used, list the letter code for each type of BMP.

9. What if I haven't started clearing or grading my site? If you have not began initial soil disturbing activity yet, mark an X in the applicable box. Indicate estimated construction start date, and continue to submit the DMR each month.

10. Who should sign the report?
   A. This report must be signed as follows:
      1. Corporations, by a responsible corporate officer of at least the level of vice president of a corporation or a duly authorized representative;
      2. Partnerships, by a general partner of a partnership or a duly authorized representative;
      3. Sole proprietorships, by the proprietor or a duly authorized representative; or
      4. Municipal, state, or other public facility, by either a principal executive officer, ranking elected official or a duly authorized representative.
   B. A person is a duly authorized representative only if:
      1. The authorization is made in writing by a person described above and submitted to the Ecology.
      2. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or having overall responsibility for environmental matters.
   C. Changes to authorization:
      If an authorization is no longer accurate, submit a new authorization to Ecology prior to (or together with) any reports, information, or applications to be signed by an authorized representative.

ADDITIONAL SAMPLING

1. What if I take additional samples or have more information to submit than will fit on the provided forms? You can submit any additional information on separate sheets of paper. You may also attach lab sheets, if you use a lab for analysis. Please sign, date, and document the site information on those sheets so that they can be included in your file.

ADDITIONAL INFORMATION

1. Mail the DMR to: **Department of Ecology, Water Quality Program- Construction Stormwater, P.O. Box 47696, Olympia, WA 98504-7696**

2. Who can I call for assistance? If you have questions or concerns, please contact Ecology's Water Quality Reception Desk at (360) 407-6600. Please have your site name, location, and permit number available when calling.

For more information, additional forms and/or additional copies of the permit; please visit our web site:
http://www.ecy.wa.gov/programs/wq/stormwater/construction

Instructions for correctly filling out your Construction Stormwater General Permit Discharge Monitoring Report (DMR)

This is an example of the monitoring portion of the DMR that is filled out correctly. The information is typical of data provided by most DMR submitters.

Weekly Monitoring One sample per week unless over 250 NTUs, or under 6cm	Date Sampled Month/Day/Year	Turbidity NTU	Transparency Centimeters Sites less than 5 acres only	pH If applicable	BMPs - List all that apply P = Sediment Pond/Trap/Tank/Vault C = Chemical Treatment/Sand Filter S = Silt Fence W = Straw Wattles/Coir Wattles D = Check Dam/Triangular Silt Dike O = Other	No Discharge This Week Check if applicable
Week 1	11/01/07	13			P, S, W, D	
Week 2	11/08/07					X
Week 3	11/15/07	5.3			P, S, W, D	
Week 4	11/21/07	39			P, S, W, D	
Week 5	11/29/07	6.5			P, S, W, D	

Information you must include in your DMR:

1) You are required to sample only **once** a week when an offsite discharge occurs – see Week 1, 3, 4 and 5. This sample must be representative of the site discharge. Add installed BMP's for that week.
2) If no offsite discharge occurs for a particular week, just place a mark at far right column – see example for Week 2.
3) If your project disturbs less than 5 acres, you may sample with a transparency tube – place this result in the column titled Transparency.
4) If your project has more than 1,000 cubic yards of concrete curing at the same time, or has engineered soils, you must also sample for pH in addition to turbidity or transparency.
5) If your turbidity is greater than 250 NTUs you must sample every day until the reading falls below 25 NTUs. Use the daily turbidity/transparency sampling log on the back of the DMR form.

When to send DMRs /When to stop submitting DMRs:

1) Photocopy the blank DMR (that was included in your permit package) for future monthly submittals (projects can last for years).
2) You must fill out and submit a DMR **each** and every month regardless if a discharge occurred. Submit your DMR by the 10th of the following month.
3) You must submit a DMR for the first month of permit coverage even if you haven't broken ground. This is a permit requirement.
4) You are required to submit DMRs until your permit coverage is officially canceled or terminated. If you do not cancel your permit, you are still required to submit DMRs even if the project is complete and permanently stabilized. Make sure you submit a Notice of Termination (NOT) form and receive an official termination notice from Ecology. After you receive the notice cancelling your coverage, you may stop submitting DMRs. You may find a copy of a blank NOT form at: http://www.ecy.wa.gov/pubs/ecy02087.pdf

Construction Stormwater
SITE INSPECTION CHECKLIST

Project_____ Permit No._____ Inspector_____ Date_____ Time_____

Site BMPs	Overall Condition	Need Repair?	Comments/Observations
Clearing Limits			
• *Buffer Zones around sensitive areas*	G F P	Y N	
•	G F P	Y N	
•	G F P	Y N	
Construction Access/Roads			
• *Stabilized site entrance*	G F P	Y N	
• *Stabilized roads/parking area*	G F P	Y N	
•	G F P	Y N	
Control Flow Rates			
• *Swale*	G F P	Y N	
• *Dike*	G F P	Y N	
• *Sediment pond*	G F P	Y N	
• *Sediment trap*	G F P	Y N	
•	G F P	Y N	
•	G F P	Y N	
Install Sediment Controls			
• *Sediment pond/trap*	G F P	Y N	
• *Silt fence*	G F P	Y N	
• *Straw bale barriers*	G F P	Y N	
•	G F P	Y N	
•	G F P	Y N	
•	G F P	Y N	
Preserve Vegetation/Stabilize Soils			
• *Nets and blankets*	G F P	Y N	
• *Mulch*	G F P	Y N	
• *Seeding*	G F P	Y N	
•	G F P	Y N	
•	G F P	Y N	
Protect Slopes			
• *Terrace*	G F P	Y N	
• *Pipe slope drains*	G F P	Y N	
•	G F P	Y N	
•	G F P	Y N	
Protect Drain Inlets			
• *Inserts*	G F P	Y N	
•	G F P	Y N	
•	G F P	Y N	
Stabilize Channels and Outlets			
• *Conveyance channels*	G F P	Y N	
• *Energy dissipators*	G F P	Y N	
•	G F P	Y N	
Control Pollutants			
• *Chemical Storage Area covered*	G F P	Y N	
• *Concrete handling*	G F P	Y N	
•	G F P	Y N	
Control De-watering			
•	G F P	Y N	

G=Good F=Fair P=Poor Y=Yes N=No

Construction Stormwater
SITE INSPECTION CHECKLIST

Project_____ Permit No._____ Inspector_____ Date_____ Time_____

Will existing BMPs need to be modified or removed, or other BMPs installed? YES NO
IF YES, list the action items to be completed on the following table:

Actions to be Completed	Date Completed/ Initials
1.	
2.	
3.	
4.	
5.	
6.	

Describe current weather conditions

Approximate amount of precipitation since last inspection: _____ inches
and precipitation in the past 24 hours*: _____ inches
**based on an on-site rain gauge or local weather data.*

Describe discharging stormwater, if present. Note the presence of suspended sediment, "cloudiness", discoloration, or oil sheen.

Was water quality sampling part of this inspection? YES NO
If yes, record results below (attach separate sheet, if necessary):

Parameter	Method (circle one)	Result	Units
Turbidity	tube, meter, laboratory		NTU (cm, if tube used)
pH	paper, kit, meter		pH standard units

Is the site in compliance with the SWPPP and the permit requirements? YES NO
If no, indicate tasks necessary to bring site into compliance on the "Actions to be Completed" table above, and include dates each job WILL BE COMPLETED.
If no, has the non-compliance been reported to Dept. of Ecology? YES NO
If no, should the SWPPP be modified: YES NO

Sign the following certification:
"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief."

Inspection completed on:_____ by: (print+signature)_____

Title/Qualification of Inspector:_____

King County
Wastewater Treatment Division
Industrial Waste Program
Department of Natural Resources and Parks
130 Nickerson Street, Suite 200
Seattle, WA 98109-1658
206-263-3000 Fax 206-263-3001
TTY Relay: 711

September 14, 2010

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Gilbert Leon
Earle M. Jorgenson Company
10650 Alameda Street
Lynwood, CA 90262

Issuance of Wastewater Discharge Authorization No. 4170-04 to Earle M. Jorgenson Company

Dear Mr. Leon:

The King County Industrial Waste Program has reviewed the request submitted by Heidi Fischer of Farallon Consulting to revise and extend the King County Discharge Authorization issued for the Earle M. Jorgenson Company - Kent Slag Site located at the intersection of South 218th Street and 88th Avenue South, Kent, Washington and has issued the enclosed revised Major Discharge Authorization.

The following revisions were made to this authorization:

1. Expiration date was revised from December 31, 2010, to July 31, 2011.
2. Maximum daily discharge volume was increased from 15,000 gallons per day (gpd) to 60,000 gpd to accommodate additional construction dewatering expected to be generated during the slag extraction and site remediation phase of the project.
3. A new requirement was added to self-monitor for settleable solids (Imhoff Cone) during the construction phase of the project.

The enclosed Discharge Authorization No. 4170-04 supersedes and cancels Discharge Authorization 4170-03 effective September 14, 2010. Because this is the third revision made to this Discharge Authorization you will be assessed a fee for issuance of this revised authorization. The fee for issuance of a Major Discharge Authorization in 2010 is $1,100. You will be sent an invoice for this amount.

This authorization permits you to discharge limited amounts of industrial wastewater into King County's sewer system in accordance with the effluent limitations and other requirements and

conditions set forth in the document and the regulations outlined in King County Code 28.84.060. The formal requirements and fees of a full wastewater permit will not be required as long as you maintain good compliance and do not change the nature and volume of your discharge.

If you propose to increase the volume of your discharge or change the type or quantities of substances discharged, you must contact King County at least 60 days before making these changes.

If at any time you have questions about this discharge authorization, or other questions about your discharge, please feel free to call me at 206-263-3012 or e-mail me at arnaud.girard@kingcounty.gov.

Sincerely,

Arnaud Girard
Compliance Investigator

Enclosure

cc: Amy Essig Desai, Farallon Consulting
Heidi Fischer, Farallon Consulting
Shawn Gilbertson, City of Kent
Doug Hilderbrand, King County

King County

MAJOR DISCHARGE AUTHORIZATION
King County Industrial Waste Program
130 Nickerson Street, Suite 200
Seattle, Washington 98109-1658

NUMBER 4170-04
for

Earle M. Jorgenson Company - Kent Slag Site

Plant Address: S. 218th Street and 88th Avenue S.
Kent, Washington

Mailing Address: 10650 Alameda Street
Lynwood, CA 90262

Phone: 323-923-6120

Industry Type: Groundwater Remediation – Other (pH)

SIC Code: NA **EPA Id. #:** NA

Sample Site No.: A90871 - Sample tap on discharge pipe from tank

Discharge To: South Treatment Plant

*Note: This authorization is valid only for the specific discharges shown below:

Discharge Process: Wastewater generated by contaminated groundwater seepage

Pre-treatment Process: pH neutralization and gravity separation

Maximum Industrial Volume: 60,000 gallons per day

Effective Date: April 29, 2009
Revision Date: September 14, 2010
Expiration Date: July 31, 2011

Permission is hereby granted to discharge industrial wastewater from the above-identified facility into the King County sewer system in accordance with the effluent limitations and monitoring requirements set forth in this authorization.

If the industrial user wishes to continue to discharge after the expiration date, an application must be filed for re-issuance of this discharge authorization at least 180 days prior to the expiration date. For information concerning this King County Discharge Authorization please call Industrial Waste Compliance Investigator Arnaud Girard at 206-263-3012.

24-HOUR EMERGENCY NOTIFICATION

South Treatment Plant: 206-684-2404

Department of Ecology: 425-649-7000

SPECIAL CONDITIONS

1. Within five (5) business days from issuance of this discharge approval, the permittee must contact Sean Wells of the City of Kent at 253-856-5570 to establish a sewer account for assessment of sewer charges.

2. Permitted wastewater may be treated and discharged manually in batches. Once power is made available at the site, the permittee may choose to automate the wastewater treatment, monitoring, and discharge systems. Before discharge to the sanitary sewer begins from the proposed automated system, the permittee shall submit an updated *Wastewater Treatment, Monitoring, and Discharge Plan* for King County review and approval. The plan will need to provide details on the following aspects of pretreatment:

   a. Wastewater sources, quantity, and chemical characteristics to be treated by the pretreatment system.
   b. Provide the maximum discharge rate of the pump(s) that discharge to the influent pipe of the pretreatment system. Provide pump(s) specifications, including maximum discharge rate in units of gallons per minute (gpm). Please note that the maximum discharge rate of the piping-pump system must be compatible with the instantaneous maximum flow rate for the pretreatment system.
   c. Site diagram indicating the final location of processes generating wastewater, sump pumps, piping, wastewater treatment systems, sample site, and discharge point.
   d. Sound engineering justification that indicates that the effluent from the proposed facility will meet applicable permit effluent limitations and/or pretreatment standards.
   e. Basic design data and sizing calculations of the pretreatment system components (for example pumps, tanks, mixers).
   f. Description of your treatment process including set points of all control features and the amount and kind of chemicals used in the treatment process.
   g. Description of your pH and discharge volume monitoring and recording equipment.
   h. A process flow diagram of the treatment process, illustrating treatment units, piping, pumps, mixers, control features, valves, and sampling location.

3. This waste discharge permit grants the discharge of limited amounts of contaminated groundwater and/or surface water seepages from the Earle M. Jorgenson Company - Kent Slag Site into the sanitary sewer system. Wastes or contaminants from sources other than permitted herein shall not be discharged to the sanitary sewer without prior approval from King County's Industrial Waste Program.

4. The discharge shall not cause hydraulic overloading conditions of the sewerage conveyance system. During periods of peak hydraulic loading King County and City of Kent representatives reserve the authority to request that discharge to the sewer be stopped.

5. All wastewater shall be collected and treated in accordance with treatment methods approved by King County. Wastewater shall not bypass treatment systems. Modifications to wastewater treatment systems shall not occur without prior approval from King County.

6. An accessible sampling spigot must be installed on the discharge pipe from the last treatment unit of the wastewater treatment system. The sample site shall be representative of all industrial waste streams discharged to the sewer from this site. This sample site shall be accessible to King County representatives when discharge to the sewer is occurring.

7. A totalizer, non-resettable water meter must be installed on the discharge pipe to the sewer. The meter shall account for all industrial waste streams discharged to the sewer from this site.

8. Wastewater monitoring logs containing the results of the required field monitoring specified in the *Self-Monitoring Requirements* section of this Discharge Authorization must be maintained on-site and must be available for review at reasonable times by authorized representatives of King County.

9. All persons responsible for monitoring the discharge to the sanitary sewer shall review a copy of this waste discharge authorization.

10. A copy of this waste discharge authorization shall be on site at all times for review and reference.

SELF-MONITORING REQUIREMENTS

1. The following self-monitoring requirements shall be met for this discharge authorization:

Parameter	Frequency	Sample Type
pH	Batch Discharge Mode (manual) = Each Batch Flow-through Mode (automated) = Continuous Monitoring and Recording	Grab / Meter In-line pH meter
Discharge Volume	Daily	In-line Meter
Settleable Solids *(a)*	Each batch (during construction phase only)	Grab / Imhoff Cone
Hydrogen Sulfide	Only if operating criteria are exceeded.	Meter reading
Settleable Solids	Only if operating criteria are exceeded.	Grab
Explosivity	Only if operating criteria are exceeded.	Meter reading

(a) The settleable solids field test by Imhoff cone must be performed as follows:
   1. *Fill cone to one-liter mark with well-mixed sample.*
   2. *Allow 45 minutes to settle.*
   3. *Gently stir sides of cone with a rod or by spinning. Settle 15 minutes longer.*
   4. *Record volume of settleable matter in the cone as ml/L.*

2. If a violation of any discharge limits or operating criteria is detected in monitoring, you shall notify the Industrial Waste Program immediately upon receipt of analytical data.

3. A self-monitoring report shall be filed with Industrial Waste no later than the 15th day of the time period following the sample collection (i.e., the 15th day of the following month for monthly, weekly, daily samples). If no discharge takes place during any monitoring period, it shall be noted on the report.

4. Self-monitoring reports shall be signed by an authorized representative of the industrial user. The authorized representative of the industrial user is defined as:

   a. A principal executive officer of at least the level of vice president, if the industrial user is a corporation;
   b. A general partner or proprietor if the industrial user is a partnership or proprietorship, respectively;
   c. A director or highest official appointed or designated to oversee the operation and performance of the industry if the industrial user is a government agency; or
   d. A duly authorized representative of the individual designated above if such representative is responsible for the overall operation of the facilities from which the indirect discharge originates.

5. All self-monitoring data submitted to Industrial Waste, which required a laboratory analysis, must have been performed by a laboratory accredited by the Washington State Department of Ecology for each parameter tested, using procedures approved by 40 CFR 136. This does not apply to field measurements performed by the industrial user such as pH, temperature, flow, atmospheric hydrogen sulfide, total dissolved sulfides, total settleable solids by Imhoff cone, or process control information.

6. All sampling data collected by the Permittee and analyzed using procedures approved by 40 CFR 136 or approved alternatives shall be submitted to King County whether required as part of this permit or done voluntarily by the Permittee.

GENERAL DISCHARGE LIMITATIONS

Operating Criteria

There shall be no odor of solvent, gasoline, or hydrogen sulfide (rotten egg odor), oil sheen, unusual color, or visible turbidity. The discharge must remain translucent. If any of the discharge limits are exceeded, you must stop discharging and notify the King County Industrial Waste Program at 206-263-3000.

Corrosive Substances

Limits	
Maximum:	pH 12.0 (s.u.)
Instantaneous Minimum:	pH 5.0 (s.u.)
Daily Minimum:	pH 5.5 (s.u.)

The instantaneous minimum pH limit is violated whenever any single grab sample or any instantaneous recording is less than pH 5.0. The daily minimum pH limit is violated whenever any continuous recording of 15 minutes or longer remains below pH 5.5 or when each pH value of four consecutive grab samples collected at 15-minute intervals or longer within a 24-hour period remains below pH 5.5.

Discharges of more than 50 gallons per day of caustic solutions equivalent to more than five percent (5%) NaOH by weight or greater than pH 12.0 are prohibited unless authorized by King County and subject to special conditions to protect worker safety, the collection system, and treatment works.

Fats, Oils, and Grease (FOG)

Discharge of FOG shall not result in significant accumulations that either alone or in combination with other wastes are capable of obstructing flow or interfere with the operation or performance of sewer works or treatment facilities.

Non-polar FOG (oil and grease from petroleum sources): The industrial user shall not discharge wastes that contain in excess of 100 milligrams per liter (mg/L) of non-polar FOG.

Polar FOG (oil and grease from animal and/or vegetable origin): Dischargers of polar FOG shall minimize free-floating polar FOG. Dischargers may not add emulsifying agents exclusively for the purpose of emulsifying free floating FOG.

Flammable or Explosive Materials

No person shall discharge any pollutant, as defined in 40 CFR 403.5, that creates a fire or explosion hazard in any sewer or treatment works, including, but not limited to, waste streams with a closed cup flashpoint of less than 140° Fahrenheit or 60° Centigrade using the test methods specified in 40 CFR 261.21.

At no time shall two successive readings on an explosion hazard meter, at the point of discharge into the system (or at any point in the system), be more than five percent (5%) nor any single reading be more than ten percent (10%) of the Lower Explosive Limit (LEL) of the meter.

Pollutants subject to this prohibition include, but are not limited to, gasoline, kerosene, naphtha, benzene, toluene, xylene, ethers, alcohols, ketones, aldehydes, peroxides, chlorates, perchlorates, bromates, carbides, hydrides, and sulfides, and any other substances that King County, a fire department, the State, or EPA has notified the user are a fire hazard or a hazard to the system.

Heavy Metals/Cyanide

The industrial user shall not discharge waste, which exceed the following limitations:

Heavy Metals & Cyanide	Instantaneous Maximum ppm (mg/L)*	Daily Average ppm (mg/L)**
Arsenic	4.0	1.0
Cadmium	0.6	0.5
Chromium	5.0	2.75
Copper	8.0	3.0
Lead	4.0	2.0
Mercury	0.2	0.1
Nickel	5.0	2.5
Silver	3.0	1.0
Zinc	10.0	5.0
Cyanide	3.0	2.0

*The instantaneous maximum is violated whenever the concentration of any sample, including a grab within a series used to calculate daily average concentrations, exceeds the limitation.

**The daily average limit is violated: a) for a continuous flow system when a composite sample consisting of four or more consecutive samples collected during a 24-hour period over intervals of 15 minutes or greater exceeds the limitation, or b) for a batch system when any sample exceeds the limitation. A composite sample is defined as at least four grab samples of equal volume taken throughout the processing day from a well-mixed final effluent chamber, and analyzed as a single sample.

High Temperature

The industrial user shall not discharge material with a temperature in excess of 65 °C (150 °F).

Hydrogen Sulfide

Atmospheric hydrogen sulfide: 10.0 ppm
(As measured at a monitoring manhole designated by King County)

Soluble sulfide limits may be established on a case-by-case basis depending upon volume of discharge and conditions in the receiving sewer, including oxygen content and existing sulfide concentrations.

Organic Compounds

No person shall discharge any organic pollutants that result in the presence of toxic gases, vapors, or fumes within a public or private sewer or treatment works in a quantity that may cause worker health and safety problems.

Organic pollutants subject to this restriction include, but are not limited to: Any organic pollutants compound listed in 40 CFR Section 433.11 (e) (Total Toxic Organics (TTO) definition), Acetone, 2-butanone (MEK), 4-methyl-2-pentanone (MIBK), and xylenes.

Settleable Solids

Settleable solids concentrations: 7.0 ml/L

GENERAL CONDITIONS

1. All requirements of King County Code pertaining to the discharge of wastes into the municipal sewer system are hereby made a condition of this Discharge Authorization.

2. The industrial discharger shall implement measures to prevent accidental spills or discharges of prohibited substances to the metropolitan sewer system. Such measures include, but are not limited to, secondary containment of chemicals and wastes, elimination of connections to the metropolitan sewer system, and spill response equipment.

3. Any facility changes, which will result in a change in the character or volume of the pollutants discharged to the municipal sewer system, must be reported to your Industrial Waste representative. Any facility changes that will cause the violation of the effluent limitations specified herein will not be allowed.

4. In the event the industrial user is unable to comply with any of the conditions of this Discharge Authorization because of breakdown of equipment or facilities, an accident caused by human error, negligence, or any other cause, such as an act of nature the company shall:

   a. Take immediate action to stop, contain, and clean up the unauthorized discharges and correct the problem.

   b. Immediately notify the King County Industrial Waste Program, 206-263-3000, so steps can be taken to prevent damage to the sewerage system.

   c. Submit a written report within 14 days describing the breakdown, the actual quantity and quality of resulting waste discharged, corrective action taken, and the steps taken to prevent recurrence.

5. Compliance with these requirements does not relieve the industrial user from responsibility to maintain continuous compliance with the conditions of the Discharge Authorization or the resulting liability for failure to comply.

6. The industrial user shall, at all reasonable times, allow authorized representatives of King County to enter that portion of the premises where an effluent source or disposal system is located or in which any records are required to be kept under the terms and conditions of this Discharge Authorization.

7. Nothing in the Discharge Authorization shall be construed as excusing the industrial user from compliance with any applicable federal, state, or local statutes, ordinances, or regulations including discharge into waters of the state. Any such discharge is subject to regulation and enforcement action by the Department of Ecology.

8. This authorization does not authorize discharge after its expiration date. If the industrial user wishes to continue to discharge after the expiration date, an application must be filed for reissuance of this discharge authorization at least 180 days prior to the expiration date. If the industrial user submits its reapplication in the time specified herein, the industrial user shall be deemed to have an effective waste discharge authorization until Industrial Waste issues or denies the new waste discharge authorization. If the industrial user fails to file its reapplication in the time period specified herein, the industrial user will be deemed to be discharging without a discharge authorization.

Investigator: _____ Date: 9/14/10
Arnaud Girard

King County

Industrial Waste Monthly Self-Monitoring Report

Mail or FAX to: King County Industrial Waste
130 Nickerson Street, Suite 200
Seattle, WA 98109-1658
Phone 206-263-3000 / FAX 206-263-3001

Company Name: Earle M. Jorgenson Company (EMJ) - Kent Slag Site **Sample Site No.** A90871 **Permit/DA No.:** 4170-04

Please Specify Month & Year: **Month:** _____ **20**____

This form is available at www.kingcounty.gov/industrialwaste.

All units are mg/l unless otherwise noted. Note: For cyanide, circle test performed - amenable or total ▼

Sample Date (circle)	Sample Type C (Composite) G (grab) BC (batch)	pH Min	pH Max	Cadmium, Cd	Chromium, Cr	Copper, Cu	Lead, Pb	Mercury, Hg	Nickel, Ni	Silver, Ag	Zinc, Zn		Settleable Solids, Vol - by Imhoff Cone (ml/L)	Daily Flow (GPD) Industrial	Notes (Indicate Batch Discharges)
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
31															

Monthly Min pH _____ & Date _____

Monthly Max pH _____ & Date _____

Total Monthly Flow (gallons) _____

Maximum Daily Flow _____ & Date _____

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

Signature of Principal Executive or Authorized Agent _____ Date _____

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th of each month.

PERMIT

Check permit status "online" at
www.ci.kent.wa.us/permitcenter

Permit #: CNST-2101696GF **IVR #:** 136139

Project:

Permit Name: EMJ SLAG DISPOSAL SITE - GRADE & FILL **APN:** 7757800265

Site Address: KENT, WA 98031

Location: SE CORNER OF S 218 ST AND 90 AVE S

OWNER ON APPLICATION

Name: EARLE M JORGENSEN COMPANY
Phone: 323-923-6120

Address: 10650 ALAMEDA ST
LYNNWOOD, CA 90262
E-mail: gleon@emjmetals.com

TYPE OF CONSTRUCTION	Stories		Bedrooms		Units	
	Square Feet		Valuation			
	Zone District	SR-4.5				
	Code Edition	2003				

Scope of Work

GRADE & FILL

Conditions

EASEMENTS
It is the owner/applicant's responsibility to check for any public or private easements of record for the property on which this permit is issued. It is the owner/applicant's responsibility to verify that the proposed work to be constructed under this permit is not over or upon the Public Right-of-way or any easement of record.

SIGHT DISTANCE
Maintain all sight distances for access.

DEBRIS
Applicant shall keep all streets and sidewalk areas free from debris and other materials which may curtail access by emergency apparatus and/or personnel.

ADJACENT PROPERTY ACCESS POINTS
Applicant shall coordinate with adjacent property owners to ensure their access points are kept open and maintained at all times

DAMAGE REPAIR TIME LIMITS
Any cuts or damages to the roads shall be fully repaired to the satisfaction of the Public Works Inspector within 30 days from job completion.

STREET CLEANING REQUIREMENT (E001)
Applicant shall continuously keep the streets and storm drain system free from all debris attributed to the work performed under the respective building, civil construction, street use, utility or grading and/or fill permit. Tracking mud, dirt or any other substance onto the streets is specifically prohibited.

WORK SUSPENSION
1. The Director of Public Works or designate may without advance notice and by posting the work site suspend or revoke a permit issued hereunder.

2. NO NEW PERMIT WILL BE ISSUED OR THE SUSPENSION LIFTED UNTIL THE ABOVE "STREET CLEANING REQUIREMENT" (E001) IS MET.

3. Where the Director of Public Works or designate determines that no immediate action has been taken to comply with street cleaning requirement condition No. E001 above, and in his

Permit #: CNST-2101696GF **IVR #:** 136139

Project:

Permit Name: EMJ SLAG DISPOSAL SITE - GRADE & FILL **APN:** 7757800265

Site Address: KENT, WA 98031

Location: SE CORNER OF S 218 ST AND 90 AVE S

Conditions (Continued)

sole judgement determines that in the best interest of the City that immediate action should be taken, the City shall order the work done and cost thereof shall be charged to the permit holder.

The Director of Public Works or designate may in writing suspend or revoke a permit issued hereunder whenever the permit was issued in error or on the basis of incorrect information supplied or in violation of any other ordinance or regulation of the City.

CLEANUP

All cleanup and performance shall be verified by and to the satisfaction of City of Kent Inspectors.

TIME LIMIT

This permit is valid for SIX (6) MONTHS from date of issuance. APPLICANT MUST RE-APPLY FOR EXTENSION PRIOR TO EXPIRATION OF FIRST PERMIT. Traffic Control Plans are valid for 30 days unless otherwise specified on the plans.

GRADING INSPECTION

APPROVAL IS CONTINGENT UPON NOTIFYING YOUR INSPECTOR 24 HOURS PRIOR TO STARTING THE ACTUAL WORK AT (253) 856-5500. PERMITEE SHALL ALSO NOTIFY INSPECTOR AT COMPLETION OF PROJECT FOR A FINAL INSPECTION.

INDEMNIFICATION AND HOLD HARMLESS

The Grantee, its successors and assigns, agrees to protect the City of Kent, its officers and employees and to save them harmless from all claims, actions or damages of every kind and description which may accrue to or be suffered by any person, persons, or property by reason of the acts or omissions of the Grantee, its assigns, agents, contractors, licensees, employees or any person whomsoever, in connection with Grantee's, its assigns', agents', contractors', licensees', or employees' construction, installation, maintenance, operation, use or occupancy of the right of way or in the exercise of this permit. In case any suit or action is brought against the City of Kent, its officers and employees, arising out of or by reason of any of the above causes, the Grantee, its successors or assigns will, upon notice of such action, defend the same at its sole cost and expense and satisfy any judgment against the City of Kent, its officers, or employees: PROVIDED, that if the claims or damages are caused by or result from the concurrent negligence of (a) the City of Kent's agents or employees and (b) the Grantee or Grantee's agents or employees, this indemnity provision shall be valid and enforceable only to the extent of the negligence of the Grantee or the Grantee's agents or employees.

AND

The Grantee, and on behalf of its assigns, agents, licensees, contractors and employees agrees to waive any claims for losses, expenses, damages or lost revenues incurred by it or its agents, contractors, licensees, employees or customers in connection with Grantee's, its assigns', agents', contractors', licensees', or employees' construction, installation, maintenance, operation, use of occupancy of the right of way or in the exercise of this permit against the City of Kent, its agents or employees except the reasonable costs of repair to property resulting from the negligent injury or damage to Grantee's property by the City of Kent, its agents, contractors or employees.

TITLE 51 INDUSTRIAL INSURANCE ACT

Solely for purposes of enforcing the indemnification obligations of a Party under this Section 8, each party expressly waives its immunity under Title 51 of the Revised Code of Washington, the Industrial Insurance Act, and agrees that the obligation to indemnify, defend and hold harmless provided for in this Section 8 extends to any such claim brought against the indemnified Party by or on behalf of any employee of the indemnifying Party. The

KENT
WASHINGTON

PERMIT

Check permit status "online" at
www.ci.kent.wa.us/permitcenter

Permit #: CNST-2101696GF **IVR #:** 136139

Project:

Permit Name: EMJ SLAG DISPOSAL SITE - GRADE & FILL **APN:** 7757800265

Site Address: KENT, WA 98031

Location: SE CORNER OF S 218 ST AND 90 AVE S

Conditions (Continued)

foregoing waiver shall not in any way preclude the indemnifying Party from raising such immunity as a defense against any claim brought against the indemnifying Party by any of its employees.

Permit Items

CUBIC YARDS

39500 CUBIC YARDS

Issued By: Permit Center Manager Date: 11-AUG-10 Expiration Date: 07-FEB-11

DEPARTMENT OF ECOLOGY
State of Washington

Transfer of Coverage

Construction Stormwater General Permit

This form transfers permit coverage for all, or a portion of a site to one or more new operators. **Permit # WAR–**012518

***Type of permit transfer (check one):** ☐ Partial transfer ☒ Complete transfer

Specific date that permit responsibility, coverage, and liability, is transferred to new operator: 10/01/2010

*Please see instructions on page 4 for details on type of transfer.

Current Operator/Permittee Information

***For partial transfers:**

- **List total area of soil disturbance remaining under your operational control following transfer:** 4.7 acres.
- **List total size of project/site remaining under your operational control following transfer:** 1.7 acres.
- **Submitting this form meets the requirement to submit an updated NOI (General Permit Condition G9)**

Current Operator/Permittee Name: Gilbert Leon	Company: Earle M. Jorgensen Company	
Signature: Date: 10/11/10	Title: Vice President, Chief Financial Officer	
Mailing Address: 10680 Alameda Street		
City: Lynwood	State: CA	Zip: 90262
Business Phone: (323) 923-6120 Ext. ____	Fax (Optional): ____	
E-mail: gleon@emjmetals.com	Cell Phone (Optional): ____	

New Operator/Permittee Information

I. New Operator/Permittee (Party with operational control over plans and specifications, or day-to-day operational control of activities which ensure compliance with SWPPP and permit conditions. Ecology will send correspondence and permit fee invoices to the permit holder on record.)

Contact name/ Title: Mark McCullough /President	Company name: Clearcreek Contractors		
Business Phone: (425) 252-5800 Ext. Cell Phone (Optional) (206) 423-8120 Fax (Optional) (425) 252-1093 E-mail markm@clearcreekcon.com	Unified Business Identifier (UBI) (9-digit number provided by Dept. of Revenue to business owners. Individuals without a UBI, enter "none.") 602116881		
Mailing address:3203 15th Street	City: Everett	State: WA	Zip + 4: 98201

II. On-Site Contact Person(s) (Typically the Certified Erosion and Sediment Control Lead or Operator/Permittee)

Contact name: Jay Willcox	Company name: Clearcreek Contractors		
Mailing address:3203 15th Street	City: Everett	State: WA	Zip + 4: 98021
Business Phone: (425) 252-5800 Ext. ____	Fax (Optional): ____		
E-mail: jayw@clearcreekcon.com	Cell Phone (Optional): ____		

III. Site/Project Information

Site or Project Name
Kent Slag Site

Street Address or Location Description (*If the site lacks a street address, list its specific location. For example, Intersection of Highway 61 and 34.)*

Corner of S 218th St. & 88th Ave. S

Parcel ID#: *7757800265 (Optional)*

Type of Construction Activity (*check all that apply*):
- ☐ Residential
- ☐ Commercial
- ☐ Industrial
- ☐ Highway or Road (city ,county, state)
- ☐ Utilities (specify): _____
- ☒ Other (specify): Environmental Cleanup

Site Acreage
Total size of your site/project (that you own/control): 4.7acres.

Total area of soil disturbance (grading and/or excavating) for your site/project over the life of the project: 1.7acres. *(Note: 1 acre = 43,560 ft^2.)*

Concrete / Engineered Soils
How many yards of concrete will be poured? 0 yd^3 (estimate)

How many yards of recycled concrete will be used? 0 yd^3 (estimate)

Will any engineered soils be used? (F or example: cement treated base, cement kiln dust, etc.)
☐ Yes ☒ No

City(or nearest city): Kent
County: King
Zip Code: 98031

Estimated project start-up date (mm/dd/yy): 6/11/2010
Estimated project completion date (mm/dd/yy): 11/11/2010

Record the latitude and longitude of the *main entrance* to the site or the approximate center of site.

	Degrees	Minutes	Seconds		Degrees	Minutes	Seconds
Latitude	47°	24'	18"N	Longitude	-122°	113'	13"W

IV. Discharge/Receiving Water Information

Discharge: The construction site's stormwater or dewatering water has the potential to discharge :

☒ Directly or indirectly into a surface water body/water bodies.

☐ To ground with 100% infiltration with no potential to reach surface waters under any condition.

If your project includes dewatering, you must include dewatering plans and discharge locations in your site Stormwater Pollution Prevention Plan.

Location of Discharge into Receiving Waters:

Enter the water body name and latitude/longitude* of the point(s) where the site has the potential to discharge into a water body (enter all locations). Discharges to receiving waters may be direct or indirect through a storm drain system or ditch. Some large construction projects (subdivisions, roads, pipelines, etc.) may discharge into several water bodies. If the creek or tributary is unnamed, use a format such as "unnamed tributary to Bull Run Creek." (Attach a separate sheet if necessary.)

Receiving Water Name	Latitude degrees, minutes, seconds	Longitude degrees, minutes, seconds
Garrison Creek	47° 24' 18N	-122° 13' 09W
	° ' N	° ' W
	° ' N	° ' W

For assistance with latitude and longitude, refer to any of the following websites: www.getlatlon.com, http://cfpub1.epa.gov/npdes/stormwater/latlong.cfm, or http://www.epa.gov/tri/report/siting_tool/index.htm. Please convert all latitude and longitude coordinates into degrees, minutes, seconds format. For help with this process, go to: http://www.fcc.gov/mb/audio/bickel/DDDMMSS-decimal.html

If your site discharges to a water body that is on an impaired waterbodies list, (i.e., 303(d) list), for turbidity, fine sediment, high pH, or phosphorus, you must sample for more parameters. Ecology will notify you if any additional sampling requirements apply. Information on impaired water bodies is available online at:
http://www.ecy.wa.gov/programs/wq/stormwater/construction/impaired.html

Before signing, please use the following checklist to ensure this form is complete:

☐ All spaces on this form have been completed (attach additional sheets if necessary).

☐ The transfer form is signed* by both the current permittee and the new permittee(s).
*** Federal regulations require this application to be signed by one of the following:**
A. For a corporation: by a principal executive officer of at least the level of vice president.
B. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively.
C. For a municipality, state, federal, or other public facility: by either a principal executive officer or ranking elected official.

☐ New Operator/Permittee: Before you submit this form to Ecology, please retain a copy for your records – this will serve as proof of permit coverage until documentation arrives from Ecology.

☐ For a complete transfer (entire site) where the current permittee will retain no portion of the site, include a Notice of Termination (http://www.ecy.wa.gov/biblio/ecy02087.html) with this submittal.

☐ For partial transfers: Once the original permittee no longer owns, or has operational control over any portion of the site, or if the portions they still own or control meet the criteria for termination, the original permittee must submit a Notice of Termination to terminate permit coverage. (http://www.ecy.wa.gov/biblio/ecy02087.html)

V. Certification of New Permittee	
"I certify under penalty of law that this document, and all attachments, were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person, or persons who manage the system, or those directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."	
Printed Name/ Company Mark McCullough /Clearcreek Contractors, Inc.	Title President
Signature Mark J. McCullough Digitally signed by Mark N. McCullough DN: cn=Mark N. McCullough, o=Clearcreek Contractors, Inc., ou, email=markm@clearcreekcon.com, c=US Date: 2010.10.11 11:01:12 -07'00'	Date 10/11/10

Please sign and return this original document to:

Department of Ecology
Stormwater Unit – Construction
P. O. Box 47696
Olympia, WA 98504-7696

If you have any questions, please call:

- **360-407-7451 Josh Klimek** for city of Seattle or counties: Kitsap, Pierce, and Thurston.
- **360-407-7229 Elaine Tomita** for counties: King, Island, and San Juan.
- **360-407-6437 Charles Gilman** for counties: Whatcom, Skagit, Snohomish, Ferry, Stevens, Pend Oreille, Lincoln, Spokane, Grant, Adams, Whitman, Franklin, Walla Walla, Columbia, Garfield, and Asotin.
- **360-407-6858 Joyce Smith** for counties: Okanogan, Chelan, Douglas, Kittitas, Yakima, Benton, Klickitat, Skamania, Clark, Cowlitz, Wahkiakum, Lewis, Pacific, Grays Harbor, Mason, Jefferson, and Clallam.

To ask about the availability of this document in a version for the visually impaired, call the Water Quality Program at 360-407-6401. Persons with hearing loss may call 711 for Washington Relay Service. Persons with a speech disability may call 877-833-6341.

DEPARTMENT OF ECOLOGY
State of Washington

Transfer of Coverage

Construction Stormwater General Permit

This form transfers permit coverage for all, or a portion of, a site to one or more new operators.

This form is used to process two types of permit transfers: 1) Complete Transfer, or 2) Partial Transfer. Determine which type of transfer applies to your situation before filling out this form.

1. Complete Transfer: means the original permittee has sold, or otherwise released control of, the entire site to one or more owner/operator.

Required Paperwork for Complete Transfer:

- Either the current permittee, or the new permittee(s), must submit a complete and accurate Transfer of Coverage form for each new owner/operator to Ecology. The form must be signed by the current permittee and the new permittee(s).
- The current permittee must submit a Notice of Termination (NOT) form. (http://www.ecy.wa.gov/biblio/ecy02087.html) to Ecology.
    - The NOT Form should be submitted at the same time as the signed Transfer of Coverage Form(s), or after the Transfer of Coverage Form(s) is submitted to Ecology.
    - Ecology will not process Transfer of Coverage Forms on sites that have already been granted termination (permit cancelled), unless the complete Transfer of Coverage Form is signed by both parties (new and previous operators) and submitted to Ecology within 60 days after Ecology receives the NOT form.

2. Partial Transfer: Means the original permittee retains control over some portion of the site after selling or releasing control over a portion of the site.

Required Paperwork for Partial Transfer:

- Either the current permittee or the new permittee(s) must submit a complete and accurate Transfer of Coverage Form for each new operator to Ecology. The form must be signed by the current permittee and the new permittee.
- For partial transfers, once all transfers are submitted, the original permittee should submit the Notice of Termination only if they no longer own, or have operational control over any portion of the site, or if the portion(s) they still own or control have undergone final stabilization and meet the criteria for termination.

For Your Information:

- When this form is 1) completed, 2) signed by the current and new permittee, and 3) submitted to Ecology, permit transfers are effective on the date specified at the top of the next page (unless Ecology notifies the current permittee and new permittee of its intention to revoke coverage under the General Permit).
- The new permittee should keep a copy of the signed Transfer of Coverage form (which serves as proof of permit coverage) until Ecology sends documentation in the mail.
- Following the transfer, the new permittee must either: (1) use the Stormwater Pollution Prevention Plan (SWPPP) developed by the original operator, and modified as necessary, or (2) develop and use a new SWPPP which meets the requirements of the Construction Stormwater General Permit.

APPENDIX D
PHOTOGRAPHIC LOG

COMPLETION AND COMPLIANCE MONITORING REPORT
Slag Disposal, Beckwith Property Site
South 218th Street and 90th Avenue South
Kent, Washington

Farallon PN: 831-022

SITE PHOTOGRAPHS

Completion and Compliance Monitoring Report
Slag Disposal, Beckwith Property Site
Kent, Washington
Farallon PN: 831-022

Photograph 1: Removing vegetation on east half of Site, August 9, 2010.

Photograph 2: Staking sample grid layout at 25-foot intervals, August 17, 2010.

Photograph 3: Removing topsoil at center of Site, August 18, 2010

Photograph 4: Removing clean overburden on east half of Site, August 19, 2010.

Photograph 5: Removing slag on south portion of Site to install wheel wash, August 22, 2010

Photograph 6: Installing wheel wash on south portion of Site, August 22, 2010.

Photograph 7: Removing slag on east portion of Site, September 1, 2010

Photograph 8: Close-up view of slag and lime ash, September 1, 2010.

Photograph 9: Clean silt, clay bottom, and old liner with pea gravel on east portion of Site, September 7, 2010.

Photograph 10: Clean backfill on east portion of Site, September 9, 2010.

Photograph 11: Slot-cut at northeast side of Site, September 16, 2010.

Photograph 12: Dewater low spot in center of excavation, September 18, 2010.

Photograph 13: Laying down Geotech fabric to construct new haul road on west side of Site, September 22, 2010.

Photograph 14: Compacting clean backfill on east half of Site, October 8, 2010.

Photograph 15: Removing slag and lime ash around culvert on north portion of Site, October 19, 2010.

Photograph 16: New section of culvert with banding on north portion of Site by 218th Street, October 19, 2010.

Photograph 17: Removing slag from between gates at southwest entrance to Site, October 25, 2010.

Photograph 18: Trench excavation between ponded water and detention pond to install new culvert, January 26, 2011.

Photograph 19: Rubber buoy in outlet of new culvert on north portion of Site before turbidity test, January 27, 2011.

Photograph 20: Erosion control wattles, ponded water, and new culvert on east half of Site, February 1, 2011.

Photograph 21: Hydroseed on north portion of Site by detention pond and wetland buffer, February 2, 2011.

Photograph 22: Completed wetland M restoration near southwest Site entrance, February 25, 2011.

Photograph 23: Completed wetland buffer restoration on north portion of Site, March 22, 2011.

Photograph 24: Final grading at north end of Site, June 30, 2011.

Photograph 25: Restoration of re-graded areas, September 2, 2011.

Photograph 1: Removing vegetation on east half of Site, August 9, 2010.

Photograph 2: Staking sample grid layout at 25-foot intervals, August 17, 2010.

Photograph 3: Removing topsoil at center of Site, August 18, 2010

Photograph 4: Removing clean overburden on east half of Site, August 19, 2010.

Photograph 5: Removing slag on south portion of Site to install wheel wash, August 22, 2010

Photograph 6: Installing wheel wash on south portion of Site, August 22, 2010.

Photograph 7: Removing slag on east portion of Site, September 1, 2010

Photograph 8: Close-up view of slag and lime ash, September 1, 2010.

Photograph 9: Clean silt, clay bottom, and old liner with pea gravel on east portion of Site, September 7, 2010.

Photograph 10: Clean backfill on east portion of Site, September 9, 2010.

Photograph 11: Slot-cut at northeast side of Site, September 16, 2010.

Photograph 12: Dewater low spot in center of excavation, September 18, 2010.

Photograph 13: Laying down Geotech fabric to construct new haul road on west side of Site, September 22, 2010.

Photograph 14: Compacting clean backfill on east half of Site, October 8, 2010.

Photograph 15: Removing slag and lime ash around culvert on north portion of Site, October 19, 2010.

Photograph 16: New section of culvert with banding on north portion of Site by 218th Street, October 19, 2010.

Photograph 17: Removing slag from between gates at southwest entrance to Site, October 25, 2010.

Photograph 18: Trench excavation between ponded water and detention pond to install new culvert, January 26, 2011.

Photograph 19: Rubber buoy in outlet of new culvert on north portion of Site before turbidity test, January 27, 2011.

Photograph 20: Erosion control wattles, ponded water, and new culvert on east half of Site, February 1, 2011.

Photograph 21: Hydroseed on north portion of Site by detention pond and wetland buffer, February 2, 2011.

Photograph 22: Completed wetland M restoration near southwest Site entrance, February 25, 2011.

Photograph 23: Completed wetland buffer restoration on north portion of Site, March 22, 2011.

Photograph 24: Final grading at north end of Site, June 30, 2011.

Photograph 25: Restoration of re-graded areas, September 2, 2011.

APPENDIX E
TEST PIT LOGS

COMPLETION AND COMPLIANCE MONITORING REPORT
Slag Disposal, Beckwith Property Site
South 218th Street and 90th Avenue South
Kent, Washington

Farallon PN: 831-022

FARALLON consulting
975 5th Avenue Northwest
Issaquah, Washington 98027

Log of Test Pit: TP13

Client: Earle M. Jorgensen Company
Project: EMJ Slag Site
Location: Kent, WA

Farallon PN: 831-022

Logged By: Ken Scott

Date/Time Started:	8/11/10 @ 0955	**Sampler Type:**	Bucket
Date/Time Completed:	8/11/10 @ 1145	**Depth of Water (ft bgs):**	N/A
Equipment:	Kamatsu	**Total Excavation Depth (ft bgs):**	15.0'
Excavation Company:	Clearcreek		
Excavation Foreman:	Paul Curnett		
Excavating Method:	Excavator		

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-0.9' Sandy SILT with gravel (60% silt, 20% sand, 20% gravel), fine to medium sand, fine to coarse gravel, brown, moist, no odor.	ML				
		0.9-2.0' Silty SAND (70% sand, 20% silt, 10% gravel), fine to medium sand, fine to coarse gravel, tan, moist, no odor.	SM		NM		
		2.0-4.0' Poorly graded SAND (90% sand, 10% silt), fine sand, dark brown, moist, no odor, no sheen.	SP				
5		4.0-7.0' Slag (100%), black, dense metal slag with large pores, moist, odor, no sheen.	FILL		NM	TP12-5 @ 11:10	
		7.0-9.0' SILT (100% silt), medium placticity, dark grey, moist, odor, no sheen.	ML		NM		
10		9.0-15.0' SILT (90% silt, 10% clay), high placticity, yellowish-gray, moist, no odor, no sheen.	ML		NM		
15							

FARALLON consulting
975 5th Avenue Northwest
Issaquah, Washington 98027

Log of Test Pit: TP14

Client: Earle M. Jorgensen Company
Project: EMJ Slag Site
Location: Kent, WA

Farallon PN: 831-022

Logged By: Ken Scott

Date/Time Started:	8/11/10 @ 1210	**Sampler Type:**	Bucket
Date/Time Completed:	8/11/10 @ 1320	**Depth of Water (ft bgs):**	N/A
Equipment:	Zaxis 200	**Total Excavation Depth (ft bgs):**	7.0'
Excavation Company:	Clearcreek		
Excavation Foreman:	Paul Curnett		
Excavating Method:	Excavator		

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0-0.5' Sandy SILT (70% silt, 30% sand), fine sand, brown, moist, no odor, no sheen.	ML				
		0.5-2.0' Silty SAND (50% sand, 40% silt, 10% gravel), fine sand, fine to coarse gravel, tan, moist, no odor, no sheen.	SM		NM		
		2.0-3.0' GRAVEL (100% gravel), fine to coarse gravel-fill, gray, moist, no odor, no sheen.	FILL				
		2.0-3.5' Poorly graded SAND with gravel (70% sand, 20% gravel, 10% silt), fine to medium sand, fine to coarse gravel, tan, moist, no odor, no sheen.	SP				
		3.5-6.0' Slag fill (100%), black & dark brown, dense metal slag boulders with large bubble-like pores, moist, odor. Observed construction debris.	FILL		NM		
5		6.0-7.0' SILT (100% silt), medium plasticity, dark gray, moist, no odor, no sheen.	ML				
					NM		
10					NM		
15							

FARALLON consulting
975 5th Avenue Northwest
Issaquah, Washington 98027

Log of Test Pit: TP15

Client: Earle M. Jorgensen Company
Project: EMJ Slag Site
Location: Kent, WA

Farallon PN: 831-022

Logged By: Ken Scott

Date/Time Started:	8/12/10 @ 0800	**Sampler Type:**	Bucket
Date/Time Completed:	8/12/10 @ 0925	**Depth of Water (ft bgs):**	N/A
Equipment:	Zaxis 200	**Total Excavation Depth (ft bgs):**	5.0'
Excavation Company:	Clearcreek		
Excavation Foreman:	Andy Hinton		
Excavating Method:	Excavator		

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0-0.9' Sandy SILT (65% silt, 30% sand, 5% gravel), fine sand, fine to coarse gravel, tan, moist, no odor, no sheen.	ML				
		0-0.9' Sandy SILT (60% silt, 30% sand, 10% gravel), fine sand, fine to coarse gravel, tan, moist, no odor, no sheen.	ML		NM		
		2.5-4.5' SILT with sand (70% silt, 20% sand, 10% gravel), fine sand, fine to coarse gravel, dark brown, moist, odor, no sheen.	ML				
		3.0-5.0' Slag fill (100%), black & dark brown, dense metal slag boulders with large bubble-like pores, moist, odor.	FILL				
		4.5-5.0' SILT (90% silt, 10% sand & slag), fine sand, medium plasticity, dark gray, moist, odor, no sheen. Observed slag boulders mixed in with soil to 5' bgs.	ML				
5					NM		

FARALLON consulting
975 5th Avenue Northwest
Issaquah, Washington 98027

Log of Test Pit: TP16

Client: Earle M. Jorgensen Company
Project: EMJ Slag Site
Location: Kent, WA

Farallon PN: 831-022

Logged By: Ken Scott

Date/Time Started:	8/12/10 @ 0925	**Sampler Type:**	Bucket
Date/Time Completed:	8/12/10 @ 1058	**Depth of Water (ft bgs):**	N/A
Equipment:	Zaxis 200	**Total Excavation Depth (ft bgs):**	7.5
Excavation Company:	Clearcreek		
Excavation Foreman:	Andy Hinton		
Excavating Method:	Excavator		

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0-0.9' Sandy SILT (65% silt, 30% sand, 5% gravel), fine sand, fine to coarse gravel, tan, moist, no odor, no sheen.	ML				
		0.9-2.0' Sandy SILT (60% silt, 30% sand, 10% gravel), fine sand, fine to coarse gravel, brown, moist, no odor, no sheen.	ML		NM		
		2.5-4.0' SILT with sand (70% silt, 20% sand, 10% gravel), fine sand, fine to coarse gravel, dark brown, moist, no odor to 3.5' bgs, no sheen.	ML				
		3.5-7.5' Slag fill (100%), black & dark brown, dense metal slag boulders with large bubble-like pores, moist, odor.	FILL				
5					NM		

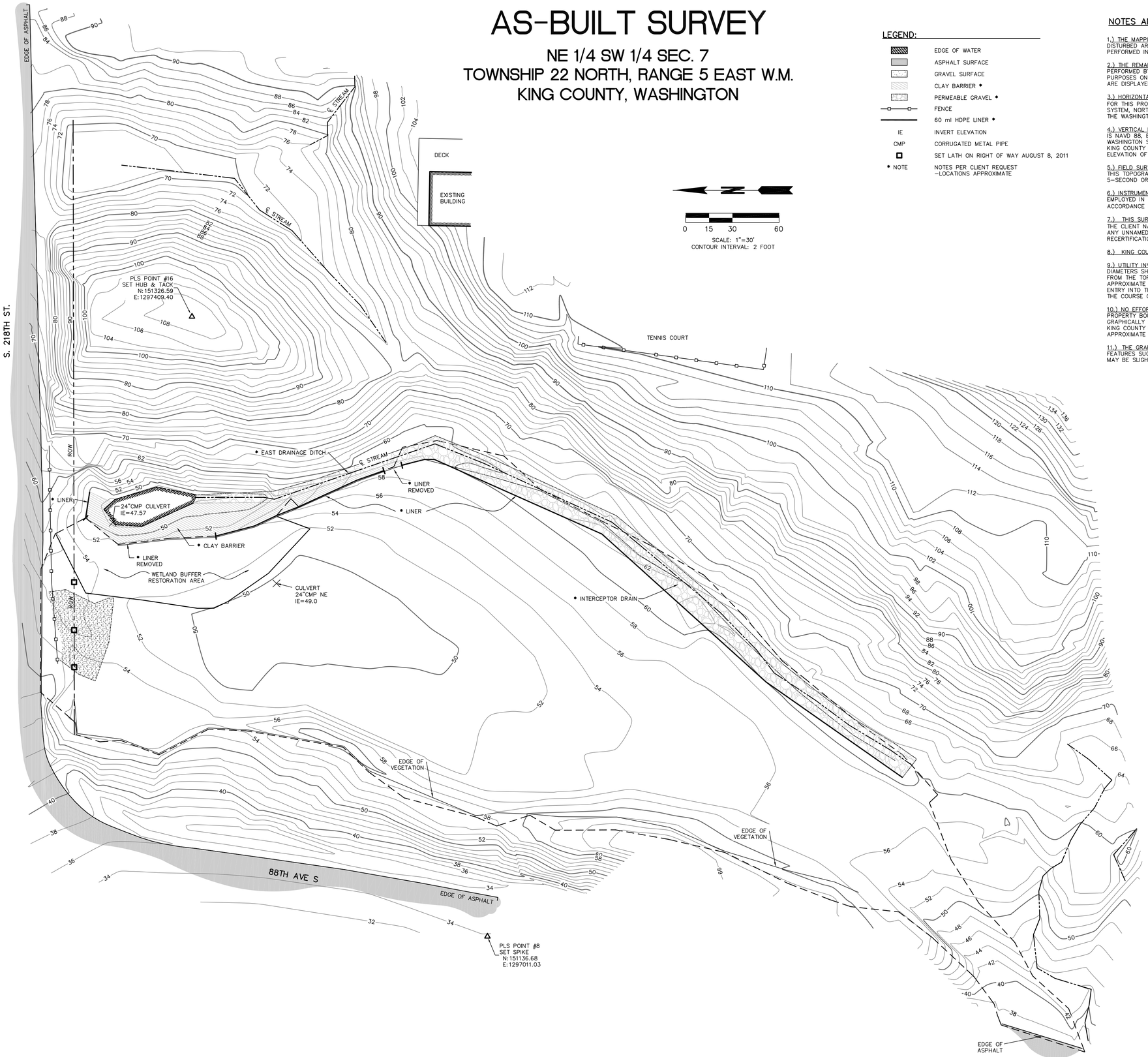
APPENDIX F
AS-BUILT SURVEY

COMPLETION AND COMPLIANCE MONITORING REPORT
Slag Disposal, Beckwith Property Site
South 218th Street and 90th Avenue South
Kent, Washington

Farallon PN: 831-022

AS-BUILT SURVEY

NE 1/4 SW 1/4 SEC. 7
TOWNSHIP 22 NORTH, RANGE 5 EAST W.M.
KING COUNTY, WASHINGTON



0 15 30 60

SCALE: 1"=30'
CONTOUR INTERVAL: 2 FOOT

LEGEND:

- EDGE OF WATER
- ASPHALT SURFACE
- GRAVEL SURFACE
- CLAY BARRIER •
- PERMEABLE GRAVEL •
- FENCE
- 60 ml HDPE LINER •
- IE — INVERT ELEVATION
- CMP — CORRUGATED METAL PIPE
- SET LATH ON RIGHT OF WAY AUGUST 8, 2011
- • NOTE — NOTES PER CLIENT REQUEST –LOCATIONS APPROXIMATE

NOTES AND COMMENTS:

1.) THE MAPPING SHOWN HEREON WITHIN THE LIMITS OF THE DISTURBED AREA REFLECTS THE RESULTS OF A FIELD SURVEY PERFORMED IN AUGUST 2011.

2.) THE REMAINDER OF THE MAP REFLECTS A FIELD SURVEY PERFORMED BY PLS, INC. MAY 20, 2009. FOR CLARITY PURPOSES ONLY THE CONTOURS AND A FEW MAJOR FEATURES ARE DISPLAYED HEREON.

3.) HORIZONTAL DATUM: THE OVERALL HORIZONTAL DATUM FOR THIS PROJECT IS NAD 83/91, WASHINGTON COORDINATE SYSTEM, NORTH ZONE, BASED ON GPS MEASUREMENTS USING THE WASHINGTON STATE REFERENCE NETWORK.

4.) VERTICAL DATUM: THE VERTICAL DATUM FOR THIS SURVEY IS NAVD 88, BASED ON GPS MEASUREMENTS USING THE WASHINGTON STATE REFERENCE NETWORK. REFERENCE TIED TO KING COUNTY BENCHMARK ID 3973 WITH A PUBLISHED ELEVATION OF 297.74 FEET.

5.) FIELD SURVEY METHODOLOGY: FIELD MEASUREMENTS FOR THIS TOPOGRAPHIC SURVEY WERE PERFORMED USING A 5-SECOND OR BETTER ELECTRONIC TOTAL STATION.

6.) INSTRUMENT CALIBRATION: ALL MEASURING INSTRUMENTS EMPLOYED IN THIS SURVEY HAVE BEEN MAINTAINED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

7.) THIS SURVEY WAS PREPARED FOR THE EXCLUSIVE USE OF THE CLIENT NAMED HEREON. ITS' USE DOES NOT EXTEND TO ANY UNNAMED PERSON OR PERSONS WITHOUT THE EXPRESS RECERTIFICATION BY THIS SURVEYOR NAMING SUCH PARTY.

8.) KING COUNTY TAX PARCEL NUMBER: 7757800265

9.) UTILITY INVERT ELEVATIONS AND PIPE / FLOW LINE DIAMETERS SHOWN HEREON ARE BASED ON OBSERVATIONS FROM THE TOP OF THE UTILITY STRUCTURE AND ARE APPROXIMATE ONLY. FOR SAFETY REASONS NO PHYSICAL ENTRY INTO THE UTILITY STRUCTURE WAS PERFORMED DURING THE COURSE OF THIS SURVEY.

10.) NO EFFORT WAS MADE OR REQUESTED TO SURVEY THE PROPERTY BOUNDARY FOR THIS SITE. A BOUNDARY HAS BEEN GRAPHICALLY SHOWN BASED ON GENERAL INFORMATION FROM KING COUNTY IMAP AND TAX ASSESSOR MAP, AND IS APPROXIMATE ONLY.

11.) THE GRAPHIC SIZE AND LOCATION OF SOME PHYSICAL FEATURES SUCH AS FENCES AND UTILITY STRUCTURES MAY BE SLIGHTLY EXAGGERATED FOR CLARITY PURPOSES.

PLS, Inc.
Professional Land Surveyors
355 NW Gilman Boulevard #201
Issaquah, Washington 98027
(425) 313-9378 (fax) 313-9379

FARALLON CONSULTING, LLC
975 5TH AVE NW
ISSAQUAH, WA 98027

03/16/12

REVISIONS

NO.	DATE	DESCRIPTION	BY
NO.	3/16/12	ADDED NOTES PER CLIENT REQUEST	BPM

SHEET TITLE: AS-BUILT SURVEY

CLIENT: FARALLON CONSULTING, LLC

DRAWN BY:	CHECKED BY:
BPM	BVP
SCALE: 1"= 30'	DATE: AUG 8, 2011

JOB NO: 11-048

DRAWING NAME: 11-048 TOPO.DWG

SHEET 1 OF 1

APPENDIX G
MONTHLY PROGRESS REPORTS

COMPLETION AND COMPLIANCE MONITORING REPORT
Slag Disposal, Beckwith Property Site
South 218th Street and 90th Avenue South
Kent, Washington

Farallon PN: 831-022

FARALLON consulting

975 5th Avenue Northwest, Issaquah, Washington 98027
Tel: (425) 295-0800 Fax: (425) 295-0850
www.farallonconsulting.com

September 10, 2010

Mr. David South
Washington State Department of Ecology
3190 160th Avenue Southeast
Bellevue, Washington 98009

RE: MONTHLY PROGRESS REPORT – AUGUST 2010
EMJ SLAG SITE
KENT, WASHINGTON
CONSENT DECREE NO. 95-2-15301-1
FARALLON PN: 831-022

Dear Mr. South:

Farallon Consulting, L.L.C. (Farallon) has prepared this monthly progress report to document the activities conducted during August 2010 at the EMJ Slag Site (herein referred to as the Site) in Kent, Washington. This monthly progress report was prepared in accordance with the requirements of Consent Decree No. 95-2-15301-1 dated June 22, 1995 between the Washington State Department of Ecology (Ecology) and Earle M. Jorgensen Company.

SCOPE OF WORK

This monthly progress report provides:

- A summary of field activities conducted during August 2010;
- Analytical results of samples collected during August 2010;
- A summary of deliverables submitted during August 2010;
- A summary of technical and regulatory meetings during August 2010;
- A summary of planned activities, meetings, and deliverables for September and October 2010; and
- A summary of deviations from the schedule anticipated for September and October 2010.

FIELD ACTIVITIES – AUGUST 2010

Pre-construction activities began at the Site on August 6, 2010, which included mobilizing equipment, staking excavation limits, installing erosion control measures, clearing brush, and relocating the water treatment system. The Grade and Fill Permit was issued by the City of Kent on August 11, 2010. Vandalism occurred at the Site on the night of August 17, 2010. The job trailer was broken into and equipment was stolen, and fuel was siphoned from some equipment. A second theft occurred sometime between August 21 and 31, 2010 in which wire for pumps within two sumps was stolen. A report was filed with the City of Kent Police Department for both thefts.

Following relocation of the water treatment system, the system was restarted on August 19, 2010, and weekly routine operation and maintenance was performed, including fueling the generator,

inspecting sump levels, evaluating pump performance, and collecting pH readings. The carbon dioxide Dewar was changed out on August 20, 2010. A total of 4,733 gallons of wastewater was discharged to the City of Kent sanitary sewer system through batch discharge events during the month of August 2010.

The City of Kent conducted an inspection on August 18, 2010 of the erosion control measures installed at the Site. At the conclusion of the inspection, the City of Kent approved the erosion control measures and the commencement of grading work. The following grading activities were completed in August:

- Six inches of top soil across the slag footprint was removed and stockpiled on the Site;
- Approximately 2 to 3 feet of overburden was removed on the east side of the slag footprint and stockpiled on the west side of the Site; and
- Approximately 8,894 tons of slag material was excavated and transported off site.

ANALYTICAL RESULTS – AUGUST 2010

In accordance with the Cleanup Action Work Plan dated June 2010 prepared by Farallon, confirmation soil samples were collected from the overburden material on the east side of the slag footprint and analyzed for pH. Results of the pH testing of the overburden samples confirmed that the overburden material was less than the regulatory limit of 8.5. Surface water sampling was performed daily at five locations. All surface water samples were less than the regulatory limit of 8.5. At the start of excavation activities on August 23, 2010, five consecutive days of real-time dust monitoring were performed. The air samples were analyzed for calcium as calcium carbonate and total particulates. The air sample results were below laboratory detection limits.

DELIVERABLES – AUGUST 2010

A monthly Self-Monitoring Report for July 2010 was submitted to King County Industrial Waste on August 10, 2010.

TECHNICAL AND REGULATORY MEETINGS – AUGUST 2010

The following meetings occurred during August 2010:

- A meeting was held with Jim Ausburn, City of Kent Inspector, and Mark McCullough of Clearcreek Contractors, Inc. at the Site on August 3, 2010 to discuss pre-construction activities that could be completed prior to issuance of the Grade and Fill Permit. Mr. Ausburn approved clearing and relocating the water treatment system prior to issuance of the Grade and Fill Permit.
- A Site visit was performed by Gary Flowers, Geotechnical Engineer with Patrick Harron and Associates, on August 11, 2010 to observe and approve the new location for the water treatment system in the northwest corner of the Site.
- A meeting was held on August 23, 2010 between Ecology and the City of Kent Neighborhood Program Coordinator to discuss the project and possible impacts to surrounding houses and traffic.
- Weekly construction meetings were held at the Site between Clearcreek Contractors and Farallon on August 19 and 26, 2010.

PLANNED ACTIVITIES, MEETINGS, AND DELIVERABLES – SEPTEMBER AND OCTOBER 2010

Activities

Routine operation and maintenance activities for the water treatment system will continue during September and October. The water treatment system will remain automated when treating seep water and discharge treated water as necessary. It is anticipated that when construction stormwater is pumped through the water treatment system, the system will be in manual operation mode and settleable solids monitoring will be performed.

Excavation and backfilling activities will continue on the east side of the Site and will move to the west side of the Site in September and October. Final grading and wetland restoration will follow.

Meetings

No regulatory meetings are scheduled for September and October 2010.

Deliverables

The following deliverables will be provided to Ecology during September and October 2010:

- Monthly Progress Report – September 2010 by October 10, 2010.

DEVIATIONS FROM SCHEDULE - SEPTEMBER AND OCTOBER 2010

No deviations from the schedule are anticipated for September and October.

CLOSING

Farallon trusts that this monthly progress report provides sufficient information for Ecology. If you have questions regarding this project, please contact either of the undersigned at (425) 295-0800.

Sincerely,

Farallon Consulting, L.L.C.

Heidi Fischer
Project Engineer

Amy Essig Desai
Senior Project Manager

cc: Mr. E. Gilbert Leon Jr., EMJ
Mr. William Joyce; Salter Joyce Ziker, PLLC
Ms. Toni Azzola, City of Kent
Mr. Sean Wells, City of Kent

HF/AED:bw

FARALLON consulting

975 5th Avenue Northwest, Issaquah, Washington 98027
Tel: (425) 295-0800 Fax: (425) 295-0850
www.farallonconsulting.com

October 8, 2010

Mr. David South
Washington State Department of Ecology
3190 160th Avenue Southeast
Bellevue, Washington 98009

RE: MONTHLY PROGRESS REPORT – SEPTEMBER 2010
EMJ SLAG SITE
KENT, WASHINGTON
CONSENT DECREE NO. 95-2-15301-1
FARALLON PN: 831-022

Dear Mr. South:

Farallon Consulting, L.L.C. (Farallon) has prepared this monthly progress report to document the activities conducted during September 2010 at the EMJ Slag Site (herein referred to as the Site) in Kent, Washington. This monthly progress report was prepared in accordance with the requirements of Consent Decree No. 95-2-15301-1 dated June 22, 1995 between the Washington State Department of Ecology (Ecology) and Earle M. Jorgensen Company.

SCOPE OF WORK

This monthly progress report provides:

- A summary of field activities conducted during September 2010;
- Analytical results of samples collected during September 2010;
- A summary of deliverables submitted during September 2010;
- A summary of technical and regulatory meetings during September 2010;
- A summary of planned activities, meetings, and deliverables for October and November 2010; and
- A summary of deviations from the schedule anticipated for October and November 2010.

FIELD ACTIVITIES – SEPTEMBER 2010

Excavation of slag continued across the Site during the month of September. Through September 30, 2010, 41,950 tons of slag have been excavated and disposed off-Site. It is estimated that approximately 12,050 tons of slag remains on the western perimeter and north and south entrances of the Site. Confirmation soil samples have been collected from the overburden and native soil for analysis for pH. Overburden on the Site was stripped, sampled, and

confirmed to be below the regulatory limit of 8.5 for pH. The overburden was placed and compacted as fill along the east perimeter.

Wastewater Discharge Authorization No. 4170-04 (Discharge Authorization) was issued by the King County Industrial Waste Program on September 14, 2010 and contained the following revisions:

- The Discharge Authorization expiration date was extended from December 31, 2010 to July 31, 2011;
- The maximum daily discharge volume was increased from 15,000 to 60,000 gallons per day;
- Construction stormwater generated during the slag excavation will be treated and discharged through the on-Site water treatment system; and
- Testing for settleable solids will be conducted during the construction phase of the project.

Excavation dewatering began at the Site after receipt of the revised Discharge Authorization and was performed as necessary through the end of September.

Weekly routine operation and maintenance was performed on the water treatment system and included fueling the generator, inspecting sump levels, evaluating pump performance, and collecting pH readings. The carbon dioxide Dewar was replaced on September 27, 2010. A total of 62,060 gallons of wastewater was discharged to the City of Kent sanitary sewer system through batch discharge events during the month of September.

Approximately 2,707 gallons of water containing pH levels between 12.23 and 12.40 was discharged to the City of Kent sanitary sewer system on September 25, 2010. The Discharge Authorization limit for pH is 12.0. During this discharge event, construction stormwater was pumped from the excavation through the water treatment system at flow rate that was too high to treat the water. The water treatment system was temporarily shut down following this event to determine the cause of the discharge. At the time the discharge occurred, the pumps were set to manual operation mode, which caused an override of the alarm controls and the water containing a pH above 12.0 to discharge automatically. Since this event, the discharge pumps have been set to automatic operation mode and the alarm controls are fully operational. The automatic operation mode contains controls that will cause the system to shut down if the treated water does not meet the Discharge Authorization requirements. Since this correction has been made, no Discharge Authorization exceedences have occurred.

ANALYTICAL RESULTS – SEPTEMBER 2010

In accordance with the Cleanup Action Work Plan dated June 2010, prepared by Farallon, confirmation soil samples were collected from the overburden material across the entire slag footprint and analyzed for pH. Results of pH testing of the overburden samples confirmed that pH in overburden material was less than the regulatory limit of 8.5. Confirmation soil samples were also collected from the native soil and analyzed for pH. Results of the pH testing confirm

that pH in soil was less than 8.5 and the excavation limits have been reached in the central and eastern portion of the Site.

Surface water sampling was performed daily at five sampling locations. The results of the surface water sampling have not detected pH above the regulatory limit of 8.5 except during one sampling event. The regulatory limit of 8.5 was exceeded in the surface water sample collected from the southwest corner of the Site on September 3, 2010. Surface water from this location was collected, treated by the water treatment system, and discharged to the sanitary sewer until sampling confirmed the pH was below 8.5. Since that time, the regulatory limit for pH has been met at this location. Real-time dust monitoring was performed weekly. The air samples were analyzed for calcium as calcium carbonate and total particulates. The air sample results were below laboratory detection limits.

DELIVERABLES – SEPTEMBER 2010

A monthly Self-Monitoring Report for August 2010 was submitted to King County Industrial Waste on September 14, 2010.

TECHNICAL AND REGULATORY MEETINGS – SEPTEMBER 2010

The following meetings occurred during September 2010:

- A Site inspection was conducted by Andrea Gates and Shawn Gilbertson of the City of Kent on September 3, 2010. The City of Kent identified two concerns, including discharge of silty water from the wheel wash and excavation of slag near the wetland buffer. Both issues were addressed with the City of Kent and have been resolved.
- Weekly construction meetings were held at the Site between Clearcreek Contractors and Farallon on September 2, 8, 16, 23, and 29, 2010.

PLANNED ACTIVITIES, MEETINGS, AND DELIVERABLES – OCTOBER AND NOVEMBER 2010

Activities

Routine operation and maintenance activities for the water treatment system will continue during October and November. The water treatment system will continue to be in automatic operation mode and settleable solids will continue to be monitored.

Excavation of slag will continue on the west perimeter and north and south entrances in October. Backfilling, final grading, and wetland restoration will follow.

Meetings

No regulatory meetings are scheduled for October and November 2010.

Deliverables

The following deliverables will be provided to Ecology during October and November 2010:

- Monthly Progress Report – October 2010 by November 10, 2010.

DEVIATIONS FROM SCHEDULE - OCTOBER AND NOVEMBER 2010

No deviations from the schedule are anticipated for October and November 2010.

CLOSING

Farallon trusts that this monthly progress report provides sufficient information for your needs. If you have questions regarding this project, please contact either of the undersigned at (425) 295-0800.

Sincerely,

Farallon Consulting, L.L.C.

Heidi Fischer
Project Engineer

Amy Essig Desai
Senior Project Manager

cc: Mr. E. Gilbert Leon Jr., EMJ
Mr. William Joyce; Salter Joyce Ziker, PLLC
Ms. Toni Azzola, City of Kent
Mr. Sean Wells, City of Kent

HF/AED:bw

FARALLON consulting

975 5th Avenue Northwest, Issaquah, Washington 98027
Tel: (425) 295-0800 Fax: (425) 295-0850
www.farallonconsulting.com

November 10, 2010

Mr. David South
Washington State Department of Ecology
3190 160th Avenue Southeast
Bellevue, Washington 98009

RE: MONTHLY PROGRESS REPORT – OCTOBER 2010
EMJ SLAG SITE
KENT, WASHINGTON
CONSENT DECREE NO. 95-2-15301-1
FARALLON PN: 831-022

Dear Mr. South:

Farallon Consulting, L.L.C. (Farallon) has prepared this monthly progress report to document the activities conducted during October 2010 at the EMJ Slag Site (herein referred to as the Site) in Kent, Washington. This monthly progress report was prepared in accordance with the requirements of Consent Decree No. 95-2-15301-1 dated June 22, 1995 between the Washington State Department of Ecology (Ecology) and Earle M. Jorgensen Company.

SCOPE OF WORK

This monthly progress report provides:

- A summary of field activities conducted during October 2010;
- Analytical results of samples collected during October 2010;
- A summary of deliverables submitted during October 2010;
- A summary of technical and regulatory meetings during October 2010;
- A summary of planned activities, meetings, and deliverables for November and December 2010; and
- A summary of deviations from the schedule anticipated for November and December 2010.

FIELD ACTIVITIES – OCTOBER 2010

Excavation of slag continued across the Site during the month of October. Through October 29, 2010, 57,450 tons of slag have been excavated and disposed off-Site. Slag underneath the culvert that extends from the detention pond across South 218th Street was removed and the culvert was replaced. It is estimated that approximately 100 tons of slag remains near the southern entrance road of the Site. Confirmation soil samples have been collected from the

overburden and native soil for analysis for pH. Clean overburden was placed and compacted as fill across the Site. Approximately 3,000 tons of import fill material was brought to the Site and used as backfill for slot cuts along the eastern perimeter of the Site and for establishing a new haul road. A portion of the import material for the haul road will be used later as fill to regrade the Site.

Excavation dewatering continued at the Site and was performed as necessary through the end of October. Weekly routine operation and maintenance was performed on the water treatment system and included fueling the generator, inspecting sump levels, evaluating pump performance, and collecting pH readings. A total of 95,622 gallons of wastewater was discharged to the City of Kent sanitary sewer system through batch discharge events during the month of October.

ANALYTICAL RESULTS – OCTOBER 2010

In accordance with the Cleanup Action Work Plan dated June 2010, prepared by Farallon, confirmation soil samples were collected from the native soil and analyzed for pH. Results of the pH testing confirm that pH in soil was less than 8.5 and the excavation limits have been reached at the Site except for the additional slag found at the southern entrance road.

Surface water sampling was performed daily at five sampling locations. The results of the surface water sampling did not detect pH above the regulatory limit of 8.5. Real-time dust monitoring was performed weekly. The air samples were analyzed for calcium as calcium carbonate and total particulates. The air sample results were below laboratory detection limits.

DELIVERABLES – OCTOBER 2010

A monthly Self-Monitoring Report for September 2010 was submitted to King County Industrial Waste on October 5, 2010.

TECHNICAL AND REGULATORY MEETINGS – OCTOBER 2010

The following meetings occurred during October 2010:

- On October 6, 2010 the City of Kent approved Farallon's request to revise the final grading on the Site to facilitate more drainage from the Site to the north. This new drainage pattern corresponds with the natural slope of the native silt/clay layer beneath the slag.
- Weekly construction meetings were held at the Site between Clearcreek Contractors and Farallon on October 7, 12, 21, and 29, 2010.

PLANNED ACTIVITIES, MEETINGS, AND DELIVERABLES – NOVEMBER AND DECEMBER 2010

Activities

Routine operation and maintenance activities for the water treatment system will continue during November and December. The water treatment system will continue to be in manual operation mode and settleable solids will continue to be monitored throughout the duration of construction

activities. Upon completion of construction activities, the water treatment system will be operated in automatic operation mode and settleable solids monitoring will no longer be required.

Excavation of slag will continue on the southern entrance road in October. Backfilling, final grading, hydroseeding, and wetland restoration will follow.

Meetings

No regulatory meetings are scheduled for November and December 2010.

Deliverables

The following deliverables will be provided to Ecology during November and December 2010:

- Monthly Progress Report – November 2010 by December 10, 2010.

DEVIATIONS FROM SCHEDULE - NOVEMBER AND DECEMBER 2010

No deviations from the schedule are anticipated for November and December 2010.

CLOSING

Farallon trusts that this monthly progress report provides sufficient information for your needs. If you have questions regarding this project, please contact either of the undersigned at (425) 295-0800.

Sincerely,

Farallon Consulting, L.L.C.

Stacy Patterson for

Heidi Fischer
Project Engineer

Amy Essig Desai
Senior Project Manager

cc: Mr. E. Gilbert Leon Jr., EMJ
Mr. William Joyce; Salter Joyce Ziker, PLLC
Ms. Toni Azzola, City of Kent
Mr. Sean Wells, City of Kent

HF/AED:bw

FARALLON consulting

975 5th Avenue Northwest, Issaquah, Washington 98027
Tel: (425) 295-0800 Fax: (425) 295-0850
www.farallonconsulting.com

December 10, 2010

Mr. David South
Washington State Department of Ecology
3190 160th Avenue Southeast
Bellevue, Washington 98009

RE: MONTHLY PROGRESS REPORT – NOVEMBER 2010
EMJ SLAG SITE
KENT, WASHINGTON
CONSENT DECREE NO. 95-2-15301-1
FARALLON PN: 831-022

Dear Mr. South:

Farallon Consulting, L.L.C. (Farallon) has prepared this monthly progress report to document the activities conducted during November 2010 at the EMJ Slag Site (herein referred to as the Site) in Kent, Washington. This monthly progress report was prepared in accordance with the requirements of Consent Decree No. 95-2-15301-1 dated June 22, 1995 between the Washington State Department of Ecology (Ecology) and Earle M. Jorgensen Company.

SCOPE OF WORK

This monthly progress report provides:

- A summary of field activities conducted during November 2010;
- Analytical results of samples collected during November 2010;
- A summary of deliverables submitted during November 2010;
- A summary of technical and regulatory meetings during November 2010;
- A summary of planned activities, meetings, and deliverables for December 2010 and January 2011; and
- A summary of deviations from the schedule anticipated for December 2010 and January 2011.

FIELD ACTIVITIES – NOVEMBER 2010

Excavation of slag continued at the southern entrance of the Site during the month of November. Excavation and off-Site disposal of all slag was completed on November 16, 2010. A total of 58,395 tons of slag have been excavated and disposed off-Site. Clean overburden was placed and compacted as fill across the Site. Approximately 1,500 tons of additional import fill material was imported to the Site and used as backfill for the western perimeter and around the detention pond within the wetland buffer restoration area.

Excavation dewatering continued at the Site and was performed as necessary through the end of November. Weekly routine operation and maintenance was performed on the water treatment system and included fueling the generator, inspecting sump levels, evaluating pump performance, and collecting pH readings. A total of 154,658 gallons of wastewater was discharged to the City of Kent sanitary sewer system through batch discharge events during the month of November.

ANALYTICAL RESULTS – NOVEMBER 2010

In accordance with the Cleanup Action Work Plan dated June 2010, prepared by Farallon, confirmation soil samples were collected from the native soil and analyzed for pH. Results of the pH testing confirm that pH in soil was less than 8.5, the excavation limits have been reached at the Site, and all the slag has been excavated and disposed off Site.

Surface water sampling was performed daily at five sampling locations. The results of the surface water sampling did not detect pH above the regulatory limit of 8.5.

DELIVERABLES – NOVEMBER 2010

A monthly Self-Monitoring Report for October 2010 was submitted to King County Industrial Waste on November 11, 2010.

TECHNICAL AND REGULATORY MEETINGS – NOVEMBER 2010

The following meetings occurred during November 2010.

November 5, 2010: A meeting was held at the Site between Clearcreek Contractors, Anchor QEA, and Farallon to discuss restoration of the area west of the southern entrance road. A small volume of slag (less than 3 cubic yards) was excavated from this area, which extended into a wetland buffer zone. Anchor QEA submitted a letter to the City of Kent recommending a restoration plan within the wetland buffer zone. Approval of the restoration plan is pending.

November 22, 2010: A meeting was held at the Site between Clearcreek Contractors, Anchor QEA, and Farallon to discuss the final grades and restoration of the wetland buffer area near the existing detention pond. Subsequent to this meeting, Farallon developed a revised restoration plan that includes installing a culvert to reconnect drainage from the Site to the existing detention pond, landscaping the wetland buffer area, hydroseeding the Site at its current grade, and ceasing work for winter following these activities. Final grading and demobilizing the water treatment system will take place in the spring. This plan was submitted to the City of Kent for review, and was approved on December 9, 2010.

PLANNED ACTIVITIES, MEETINGS, AND DELIVERABLES – DECEMBER 2010 AND JANUARY 2011

Activities

Routine operation and maintenance activities for the water treatment system will continue during December and January. The water treatment system will be in manual operation mode and settleable solids will continue to be monitored throughout the duration of construction activities.

Upon completion of construction activities, the water treatment system will be operated in automatic operation mode and settleable solids monitoring will no longer be required.

After obtaining approval from the City of Kent, the Site will undergo final restoration, including the following activities:

- Restoring the wetland buffer zone near the southern entrance;
- Importing fill and topsoil to finalize grades in the wetland buffer near the existing detention pond;
- Landscaping the wetland buffer area near the existing detention pond as shown in the approved design drawings; and
- Hydroseeding the Site at its current grade.

Meetings

No regulatory meetings are scheduled for December 2010 and January 2011.

Deliverables

The following deliverables will be provided to Ecology during December 2010 and January 2011:

- Monthly Progress Report – December 2010 by January 10, 2011.

DEVIATIONS FROM SCHEDULE - DECEMBER 2010 AND JANUARY 2011

No deviations from the schedule are anticipated for December 2010 and January 2011.

CLOSING

Farallon trusts that this monthly progress report provides sufficient information for your needs. If you have questions regarding this project, please contact either of the undersigned at (425) 295-0800.

Sincerely,

Farallon Consulting, L.L.C.

Heidi Fischer
Project Engineer

Amy Essig Desai
Senior Project Manager

cc: Mr. E. Gilbert Leon Jr., EMJ
Mr. William Joyce; Salter Joyce Ziker, PLLC
Ms. Toni Azzola, City of Kent
Mr. Sean Wells, City of Kent

HF/AED:bw

FARALLON consulting

975 5th Avenue Northwest, Issaquah, Washington 98027
Tel: (425) 295-0800 Fax: (425) 295-0850
www.farallonconsulting.com

January 7, 2011

Mr. David South
Washington State Department of Ecology
3190 160th Avenue Southeast
Bellevue, Washington 98009

RE: MONTHLY PROGRESS REPORT – DECEMBER 2010
EMJ SLAG SITE
KENT, WASHINGTON
CONSENT DECREE NO. 95-2-15301-1
FARALLON PN: 831-022

Dear Mr. South:

Farallon Consulting, L.L.C. (Farallon) has prepared this monthly progress report to document the activities conducted during December 2010 at the EMJ Slag Site (herein referred to as the Site) in Kent, Washington. This monthly progress report was prepared in accordance with the requirements of Consent Decree No. 95-2-15301-1 dated June 22, 1995 between the Washington State Department of Ecology (Ecology) and Earle M. Jorgensen Company.

SCOPE OF WORK

This monthly progress report provides:

- A summary of field activities conducted during December 2010;
- Analytical results of samples collected during December 2010;
- A summary of deliverables submitted during December 2010;
- A summary of technical and regulatory meetings during December 2010;
- A summary of planned activities, meetings, and deliverables for January and February 2011; and
- A summary of deviations from the schedule anticipated for January and February 2011.

FIELD ACTIVITIES – DECEMBER 2010

No construction activities occurred in December 2010. A surface water sampling event was conducted on December 28, 2010. Excavation dewatering continued at the Site and was performed as necessary through the end of December. Weekly routine operation and maintenance was performed on the water treatment system and included fueling the generator, inspecting sump levels, evaluating pump performance, and collecting pH readings. A total of

382,578 gallons of wastewater was discharged to the City of Kent sanitary sewer system through batch discharge events during December.

ANALYTICAL RESULTS – DECEMBER 2010

Surface water sampling was performed on December 28, 2010 at five sampling locations. The results of the surface water sampling at the five compliance sampling locations did not detect pH in surface water above the cleanup level of 8.5.

DELIVERABLES – DECEMBER 2010

A monthly Self-Monitoring Report for November 2010 was submitted to King County Industrial Waste on December 3, 2010.

TECHNICAL AND REGULATORY MEETINGS AND APPROVALS – DECEMBER 2010

Wastewater Discharge Authorization No. 4170-04 required settleable solids monitoring of the water treatment system during the construction phase of the project as a result of treating construction dewatering generated during the slag excavation. Farallon submitted a request to the King County Industrial Waste Program on December 6, 2010 to discontinue settleable solids monitoring during the winter period when no construction activities are occurring. King County approved the request on December 6, 2010.

The City of Kent approved a revised restoration plan on December 9, 2010. This plan included installing a culvert to reconnect drainage from the Site to the existing detention pond, landscaping the wetland buffer area, and hydroseeding the Site at its current grade.

The City of Kent approved an addendum to the Wetland Buffer Mitigation Plan on December 27, 2010 that was prepared by Anchor QEA. This addendum was prepared to address the Wetland M and N buffer restoration that developed as a result of excavating a small volume of slag (less than 3 cubic yards) from a wetland buffer zone located west of the southern entrance road (i.e., Wetland M and N).

No technical or regulatory meetings occurred during December 2010.

PLANNED ACTIVITIES, MEETINGS, AND DELIVERABLES – JANUARY AND FEBRUARY 2011

Activities

The following activities are anticipated during January and February 21011:

- Routine operation and maintenance of the water treatment system;
- Restoring the wetland buffer zone near the southern entrance;
- Monitoring settleable solids during restoration activities, as needed;
- Importing fill and topsoil to finalize grades in the wetland buffer near the existing detention pond;

- Landscaping the wetland buffer area near the existing detention pond as shown in the approved design drawings;
- Installing a culvert to reconnect drainage from the Site to the existing detention pond; and
- Hydroseeding the Site at its current grade.

Meetings

No regulatory meetings are scheduled for January and February 2011.

Deliverables

The following deliverables will be provided to Ecology during January and February 2011:

- Monthly Progress Report – January 2011 by February 10, 2011.

DEVIATIONS FROM SCHEDULE - JANUARY AND FEBRUARY 2011

No deviations from the schedule are anticipated for January and February 2011.

CLOSING

Farallon trusts that this monthly progress report provides sufficient information for your needs. If you have questions regarding this project, please contact either of the undersigned at (425) 295-0800.

Sincerely,

Farallon Consulting, L.L.C.

Heidi Fischer
Project Engineer

Amy Essig Desai
Senior Project Manager

cc: Mr. E. Gilbert Leon Jr., EMJ
Mr. William Joyce; Salter Joyce Ziker, PLLC
Ms. Toni Azzola, City of Kent
Mr. Sean Wells, City of Kent

HF/AED:bw

FARALLON consulting

975 5th Avenue Northwest, Issaquah, Washington 98027
Tel: (425) 295-0800 Fax: (425) 295-0850
www.farallonconsulting.com

February 4, 2011

Mr. David South
Washington State Department of Ecology
3190 160th Avenue Southeast
Bellevue, Washington 98009

RE: MONTHLY PROGRESS REPORT – JANUARY 2011
EMJ SLAG SITE
KENT, WASHINGTON
CONSENT DECREE NO. 95-2-15301-1
FARALLON PN: 831-022

Dear Mr. South:

Farallon Consulting, L.L.C. (Farallon) has prepared this monthly progress report to document the activities conducted during January 2011 at the EMJ Slag Site in Kent, Washington (herein referred to as the Site). This monthly progress report was prepared in accordance with the requirements of Consent Decree No. 95-2-15301-1 dated June 22, 1995 between the Washington State Department of Ecology (Ecology) and Earle M. Jorgensen Company.

SCOPE OF WORK

This monthly progress report provides:

- A summary of field activities conducted during January 2011;
- Analytical results of samples collected during January 2011;
- A summary of deliverables submitted during January 2011;
- A summary of technical and regulatory meetings during January 2011;
- A summary of planned activities, meetings, and deliverables for February and March 2011; and
- A summary of deviations from the schedule anticipated for February and March 2011.

FIELD ACTIVITIES – JANUARY 2011

Restoration construction activities began on the Site on January 25, 2011. Activities included;

- Removing a tree near the southern entrance road as a safety precaution because the tree roots had been disturbed by excavation activities. The tree was placed in the wetland buffer area near the existing detention pond as large woody debris.
- Installing a culvert to reconnect drainage from the Site to the existing detention pond.

- Importing fill to finalize grades in the wetland buffer area near the existing detention pond.

Excavation dewatering continued at the Site and was performed as necessary through the end of January. Monitoring of settleable solids was conducted during construction activities. Weekly routine operation and maintenance was performed on the water treatment system, including fueling the generator, inspecting sump levels, evaluating pump performance, and collecting pH readings. The carbon dioxide Dewar was replaced on January 3, 2011. A total of 302,617 gallons of wastewater was discharged to the City of Kent sanitary sewer system through batch discharge events during January.

ANALYTICAL RESULTS – JANUARY 2011

No analytical results were received in January 2011.

DELIVERABLES – JANUARY 2011

A monthly Self-Monitoring Report for December 2010 was submitted to King County Industrial Waste on January 5, 2010.

TECHNICAL AND REGULATORY MEETINGS – JANUARY 2011

No technical or regulatory meetings occurred during January 2011.

PLANNED ACTIVITIES, MEETINGS, AND DELIVERABLES – FEBRUARY AND MARCH 2011

Activities

The following activities are anticipated during February and March 2011:

- Routine operation and maintenance of the water treatment system;
- Monitoring of settleable solids during restoration activities as needed;
- Collection of surface water compliance samples;
- Importing of topsoil to finalize grades in the wetland buffer near the existing detention pond;
- Landscaping of the wetland buffer area near the existing detention pond as shown in the approved design drawings;
- Restoration of the wetland buffer zone near the southern entrance; and
- Hydroseeding of the Site at its current grade.

Meetings

No regulatory meetings are scheduled for February and March 2011.

Deliverables

The following deliverables will be provided to Ecology during February and March 2011:

- Monthly Progress Report – February 2011 by March 10, 2011.

DEVIATIONS FROM SCHEDULE - FEBRUARY AND MARCH 2011

No deviations from the schedule are anticipated for February and March 2011.

CLOSING

Farallon trusts that this monthly progress report provides sufficient information for your needs. If you have questions regarding this project, please contact either of the undersigned at (425) 295-0800.

Sincerely,

Farallon Consulting, L.L.C.

Heidi Fischer, E.I.T.
Project Engineer

Amy Essig Desai
Senior Project Manager

cc: Mr. E. Gilbert Leon Jr., EMJ
Mr. William Joyce; Salter Joyce Ziker, PLLC
Ms. Toni Azzola, City of Kent
Mr. Sean Wells, City of Kent

HF/AED:bw

FARALLON consulting

975 5th Avenue Northwest, Issaquah, Washington 98027
Tel: (425) 295-0800 Fax: (425) 295-0850
www.farallonconsulting.com

March 7, 2011

Mr. David South
Washington State Department of Ecology
3190 160th Avenue Southeast
Bellevue, Washington 98009

RE: MONTHLY PROGRESS REPORT – FEBRUARY 2011
EMJ SLAG SITE, KENT, WASHINGTON
CONSENT DECREE NO. 95-2-15301-1
FARALLON PN: 831-022

Dear Mr. South:

Farallon Consulting, L.L.C. (Farallon) has prepared this monthly progress report to document the activities conducted during February 2011 at the EMJ Slag Site in Kent, Washington (herein referred to as the Site). This monthly progress report was prepared in accordance with the requirements of Consent Decree No. 95-2-15301-1 dated June 22, 1995 between the Washington State Department of Ecology (Ecology) and Earle M. Jorgensen Company.

SCOPE OF WORK

This monthly progress report provides:

- A summary of field activities conducted during February 2011;
- Analytical results of samples collected during February 2011;
- A summary of deliverables submitted during February 2011;
- A summary of technical and regulatory meetings during February 2011;
- A summary of planned activities, meetings, and deliverables for March and April 2011; and
- A summary of deviations from the schedule anticipated for March and April 2011.

FIELD ACTIVITIES – FEBRUARY 2011

Restoration construction activities continued at the Site during February. Activities included:

- Placing topsoil to finalize grades in the wetland buffer areas;
- Hydroseeding with a grass/polymer mixture at select areas of the Site to limit erosion;
- Placing plants in the wetland buffer areas as outlined in the Planting Plan;
- Placing mulch around new plants in the wetland buffer areas; and

- Removing the buoy/plug from the culvert.

Excavation dewatering continued at the Site and was performed as necessary through February 15, 2011. The buoy/plug was removed from the culvert on February 15 to allow accumulated water to discharge through the culvert to the detention pond. Weekly routine operation and maintenance was performed on the water treatment system, including fueling the generator, inspecting sump levels, evaluating pump performance, and collecting pH readings. A total of 30,284 gallons of wastewater was discharged to the City of Kent sanitary sewer system through batch discharge events during February. Use of the water treatment system has been discontinued.

Monitoring of settleable solids was conducted during construction activities. Monitoring of pH at the five compliance locations was performed, and pH readings were within the cleanup level range of 5.5 to 8.5.

ANALYTICAL RESULTS – FEBRUARY 2011

No analytical results were received in February 2011.

DELIVERABLES – FEBRUARY 2011

A monthly Self-Monitoring Report for January 2010 was submitted to King County Industrial Waste on February 4, 2010.

TECHNICAL AND REGULATORY MEETINGS – FEBRUARY 2011

No technical or regulatory meetings occurred during February 2011.

PLANNED ACTIVITIES, MEETINGS, AND DELIVERABLES – MARCH AND APRIL 2011

Activities

The following activities are anticipated during March and April 2011:

- Monitoring of settleable solids during restoration activities as needed; and
- Collection of surface water samples from the five point-of-compliance sampling locations.

Meetings

No regulatory meetings are scheduled for March and April 2011.

Deliverables

The following deliverable will be provided to Ecology during March and April 2011:

- Monthly Progress Report – March 2011 by April 10, 2011.

DEVIATIONS FROM SCHEDULE - MARCH AND APRIL 2011

No deviations from the schedule are anticipated for March and April 2011.

CLOSING

Farallon trusts that this monthly progress report provides sufficient information for your needs. If you have questions regarding this project, please contact either of the undersigned at (425) 295-0800.

Sincerely,

Farallon Consulting, L.L.C.

Kristin J. Darnell, E.I.T.
Project Scientist

Amy Essig Desai
Senior Project Manager

cc: Mr. E. Gilbert Leon Jr., EMJ
Mr. William Joyce; Salter Joyce Ziker, PLLC
Ms. Toni Azzola, City of Kent
Mr. Sean Wells, City of Kent

KJD/AED:bw

FARALLON consulting

975 5th Avenue Northwest, Issaquah, Washington 98027
Tel: (425) 295-0800 Fax: (425) 295-0850
www.farallonconsulting.com

April 8, 2011

Mr. David South
Washington State Department of Ecology
3190 160th Avenue Southeast
Bellevue, Washington 98009

RE: MONTHLY PROGRESS REPORT – MARCH 2011
EMJ SLAG SITE, KENT, WASHINGTON
CONSENT DECREE NO. 95-2-15301-1
FARALLON PN: 831-022

Dear Mr. South:

Farallon Consulting, L.L.C. (Farallon) has prepared this monthly progress report to document the activities conducted during March 2011 at the EMJ Slag Site in Kent, Washington (herein referred to as the Site). This monthly progress report was prepared in accordance with the requirements of Consent Decree No. 95-2-15301-1 dated June 22, 1995 between the Washington State Department of Ecology (Ecology) and Earle M. Jorgensen Company.

SCOPE OF WORK

This monthly progress report provides:

- A summary of field activities conducted during March 2011;
- Analytical results of samples collected during March 2011;
- A summary of deliverables submitted during March 2011;
- A summary of technical and regulatory meetings during March 2011;
- A summary of planned activities, meetings, and deliverables for April and May 2011; and
- A summary of deviations from the schedule anticipated for April and May 2011.

FIELD ACTIVITIES – MARCH 2011

Site inspections were performed by Farallon during the compliance monitoring event on March 22, 2011 and by Anchor QEA during the wetland buffer restoration inspection on March 28, 2011. The areas that received hydroseeding were showing new grass. The plants recently installed in the wetland buffer restoration areas appeared mostly healthy, with minor browning at the tips of some red cedars and sword ferns. The majority of the plants did not show significant damage due to winter weather events. Accumulated surface water continues to discharge through the culvert to the detention pond. No wastewater was discharged to the City of Kent

sanitary sewer system during March. The water treatment system remains on-Site but inactive pending final grading and hydroseeding activities.

Turbidity monitoring was conducted on the outflow from the culvert discharging at South 218th Street. The measured turbidity of 6.27 NTUs was well below the permitted level of 250 NTUs. Monitoring of pH at the five point-of-compliance sampling locations for surface water was performed, and pH readings were within the cleanup level range of 5.5 to 8.5.

ANALYTICAL RESULTS – MARCH 2011

No analytical results were received in March 2011.

DELIVERABLES – MARCH 2011

A monthly Self-Monitoring Report for February 2011 was submitted to King County Industrial Waste on March 7, 2011.

TECHNICAL AND REGULATORY MEETINGS – MARCH 2011

No technical or regulatory meetings occurred during March 2011.

PLANNED ACTIVITIES, MEETINGS, AND DELIVERABLES –APRIL AND MAY 2011

Activities

The following activities are anticipated during April and May 2011:

- Final grading and hydroseeding;
- Monitoring of settleable solids during restoration activities as needed;
- Collection of surface water samples from the five point-of-compliance sampling locations;
- Decommissioning and removal of the water treatment system; and
- Preparation of the Completion Report.

Meetings

No regulatory meetings are scheduled for April and May 2011.

Deliverables

The following deliverable will be provided to Ecology during April and May 2011:

- Monthly Progress Report – April 2011 by May 10, 2011.

DEVIATIONS FROM SCHEDULE - APRIL AND MAY 2011

No deviations from the schedule are anticipated for April and May 2011.

CLOSING

Farallon trusts that this monthly progress report provides sufficient information for your needs. If you have questions regarding this project, please contact either of the undersigned at (425) 295-0800.

Sincerely,

Farallon Consulting, L.L.C.

Kristin J. Darnell, E.I.T.
Project Scientist

Amy Essig Desai
Senior Project Manager

cc: Mr. E. Gilbert Leon Jr., EMJ
Mr. William Joyce; Salter Joyce Ziker, PLLC
Ms. Toni Azzola, City of Kent
Mr. Sean Wells, City of Kent

KJD/AED:bw

FARALLON consulting

975 5th Avenue Northwest, Issaquah, Washington 98027
Tel: (425) 295-0800 Fax: (425) 295-0850
www.farallonconsulting.com

May 10, 2011

Mr. David South
Washington State Department of Ecology
3190 160th Avenue Southeast
Bellevue, Washington 98009

RE: MONTHLY PROGRESS REPORT – APRIL 2011
EMJ SLAG SITE, KENT, WASHINGTON
CONSENT DECREE NO. 95-2-15301-1
FARALLON PN: 831-022

Dear Mr. South:

Farallon Consulting, L.L.C. (Farallon) has prepared this monthly progress report to document the activities conducted during April 2011 at the EMJ Slag Site in Kent, Washington (herein referred to as the Site). This monthly progress report was prepared in accordance with the requirements of Consent Decree No. 95-2-15301-1 dated June 22, 1995 between the Washington State Department of Ecology (Ecology) and Earle M. Jorgensen Company.

SCOPE OF WORK

This monthly progress report provides:

- A summary of field activities conducted during April 2011;
- Analytical results of samples collected during April 2011;
- A summary of deliverables submitted during April 2011;
- A summary of technical and regulatory meetings during April 2011;
- A summary of planned activities, meetings, and deliverables for May and June 2011; and
- A summary of deviations from the schedule anticipated for May and June 2011.

FIELD ACTIVITIES – APRIL 2011

The water treatment system, including buried piping, two 10,000-gallon tanks, four sumps, and pH monitoring and treatment equipment, was removed from the Site by Clearcreek Contractors on April 18 and 19, 2011. The wireless video security system was removed and a Site inspection was performed by Farallon on April 18, 2011. Grass was growing well in the areas that received hydroseeding and the Site erosion control measures were performing satisfactorily. Accumulated surface water continues to discharge through the culvert to the detention pond. No wastewater was discharged to the City of Kent sanitary sewer system during April.

ANALYTICAL RESULTS – APRIL 2011

No analytical results were received in April 2011.

DELIVERABLES – APRIL 2011

A monthly Self-Monitoring Report for March 2011 was submitted to King County Industrial Waste on March 31, 2011.

TECHNICAL AND REGULATORY MEETINGS – APRIL 2011

No technical or regulatory meetings occurred during April 2011.

PLANNED ACTIVITIES, MEETINGS, AND DELIVERABLES –MAY AND JUNE 2011

Activities

The following activities are anticipated during May and June 2011:

- Final grading and hydroseeding;
- Monitoring of settleable solids during restoration activities as needed;
- Performing a final Site survey for the as-built drawings;
- Establishing Site access control through placement of ecology blocks and fencing; and
- Preparing the Completion Report.

Meetings

No regulatory meetings are scheduled for May and June 2011.

Deliverables

The following deliverable will be provided to Ecology during May and June 2011:

- Monthly Progress Report – May 2011 by June 10, 2011.

DEVIATIONS FROM SCHEDULE - APRIL AND MAY 2011

No deviations from the schedule are anticipated for May and June 2011.

CLOSING

Farallon trusts that this monthly progress report provides sufficient information for your needs. If you have questions regarding this project, please contact either of the undersigned at (425) 295-0800.

Sincerely,

Farallon Consulting, L.L.C.

Kristin J. Darnell, E.I.T.
Project Scientist

Amy Essig Desai
Senior Project Manager

cc: Mr. E. Gilbert Leon Jr., EMJ
Mr. William Joyce; Salter Joyce Ziker, PLLC
Ms. Toni Azzola, City of Kent
Mr. Sean Wells, City of Kent

KJD/AED:bw

FARALLON consulting

975 5th Avenue Northwest, Issaquah, Washington 98027
Tel: (425) 295-0800 Fax: (425) 295-0850
www.farallonconsulting.com

June 9, 2011

Mr. David South
Washington State Department of Ecology
3190 160th Avenue Southeast
Bellevue, Washington 98009

RE: MONTHLY PROGRESS REPORT – MAY 2011
EMJ SLAG SITE, KENT, WASHINGTON
CONSENT DECREE NO. 95-2-15301-1
FARALLON PN: 831-022

Dear Mr. South:

Farallon Consulting, L.L.C. (Farallon) has prepared this monthly progress report to document the activities conducted during May 2011 at the EMJ Slag Site in Kent, Washington (herein referred to as the Site). This monthly progress report was prepared in accordance with the requirements of Consent Decree No. 95-2-15301-1 dated June 22, 1995 between the Washington State Department of Ecology (Ecology) and Earle M. Jorgensen Company.

SCOPE OF WORK

This monthly progress report provides:

- A summary of field activities conducted during May 2011;
- Analytical results of samples collected during May 2011;
- A summary of deliverables submitted during May 2011;
- A summary of technical and regulatory meetings during May 2011;
- A summary of planned activities, meetings, and deliverables for June and July 2011; and
- A summary of deviations from the schedule anticipated for June and July 2011.

FIELD ACTIVITIES – MAY 2011

The rodent protectors for the trees and the water rings in the mulch for the shrubs and trees in the wetland buffer areas were installed by Double Eagle Landscape, Inc. on May 12, 2011.

ANALYTICAL RESULTS – MAY 2011

No analytical results were received in May 2011.

DELIVERABLES – MAY 2011

A monthly Self-Monitoring Report for April 2011 was submitted to King County Industrial Waste on May 9, 2011.

TECHNICAL AND REGULATORY MEETINGS – MAY 2011

No technical or regulatory meetings occurred during May 2011.

PLANNED ACTIVITIES, MEETINGS, AND DELIVERABLES – JUNE AND JULY 2011

Activities

The following activities are anticipated during June and July 2011:

- Final grading and hydroseeding;
- Monitoring of settleable solids during restoration activities as needed;
- Performing a final Site survey for the as-built drawings;
- Establishing Site access control through placement of ecology blocks and fencing; and
- Preparing the Completion Report.

Meetings

No regulatory meetings are scheduled for June and July 2011.

Deliverables

The following deliverable will be provided to Ecology during June and July 2011:

- Monthly Progress Report – June 2011 by July 10, 2011.

DEVIATIONS FROM SCHEDULE – JUNE AND JULY 2011

No deviations from the schedule are anticipated for June and July 2011.

CLOSING

Farallon trusts that this monthly progress report provides sufficient information for your needs. If you have questions regarding this project, please contact either of the undersigned at (425) 295-0800.

Sincerely,

Farallon Consulting, L.L.C.

Kristin J. Darnell, E.I.T.
Project Scientist

Amy Essig Desai
Senior Project Manager

cc: Mr. E. Gilbert Leon Jr., EMJ
Mr. William Joyce; Salter Joyce Ziker, PLLC
Ms. Toni Azzola, City of Kent
Mr. Sean Wells, City of Kent

KJD/AED:bw

FARALLON consulting

975 5th Avenue Northwest, Issaquah, Washington 98027
Tel: (425) 295-0800 Fax: (425) 295-0850
www.farallonconsulting.com

July 8, 2011

Mr. David South
Washington State Department of Ecology
3190 160th Avenue Southeast
Bellevue, Washington 98009

RE: MONTHLY PROGRESS REPORT – JUNE 2011
EMJ SLAG SITE, KENT, WASHINGTON
CONSENT DECREE NO. 95-2-15301-1
FARALLON PN: 831-022

Dear Mr. South:

Farallon Consulting, L.L.C. (Farallon) has prepared this monthly progress report to document the activities conducted during June 2011 at the EMJ Slag Site in Kent, Washington (herein referred to as the Site). This monthly progress report was prepared in accordance with the requirements of Consent Decree No. 95-2-15301-1 dated June 22, 1995 between the Washington State Department of Ecology (Ecology) and Earle M. Jorgensen Company.

SCOPE OF WORK

This monthly progress report provides:

- A summary of field activities conducted during June 2011;
- Analytical results of samples collected during June 2011;
- A summary of deliverables submitted during June 2011;
- A summary of technical and regulatory meetings during June 2011;
- A summary of planned activities, meetings, and deliverables for July and August 2011; and
- A summary of deviations from the schedule anticipated for July and August 2011.

FIELD ACTIVITIES – JUNE 2011

Clearcreek Contractors began grading the Site to its final contours on June 29, 2011. Standing water that had not discharged through the culvert into the detention pond was pumped to facilitate direct infiltration via the ground surface. Grading was performed near the culvert to minimize the area of ponding water by the culvert. The silt fences were removed and repairs were made to the asphalt surface of 90th Avenue South.

ANALYTICAL RESULTS – JUNE 2011

No analytical results were received in June 2011.

DELIVERABLES – JUNE 2011

A monthly Self-Monitoring Report for May 2011 was submitted to King County Industrial Waste on June 11, 2011.

TECHNICAL AND REGULATORY MEETINGS – JUNE 2011

No technical or regulatory meetings occurred during June 2011.

PLANNED ACTIVITIES, MEETINGS, AND DELIVERABLES – JULY AND AUGUST 2011

Activities

The following activities are anticipated during July and August 2011:

- Hydroseeding;
- Monitoring of settleable solids during restoration activities as needed;
- Performing a final Site survey for the as-built drawings;
- Establishing Site access control through placement of ecology blocks and fencing; and
- Preparing the Completion Report.

Meetings

No regulatory meetings are scheduled for June and July 2011.

Deliverables

The following deliverable will be provided to Ecology during July and August 2011:

- Monthly Progress Report – July 2011 by August 10, 2011.

DEVIATIONS FROM SCHEDULE – JUNE AND JULY 2011

No deviations from the schedule are anticipated for July and August 2011.

CLOSING

Farallon trusts that this monthly progress report provides sufficient information for your needs. If you have questions regarding this project, please contact either of the undersigned at (425) 295-0800.

Sincerely,

Farallon Consulting, L.L.C.

Kristin J. Darnell, E.I.T.
Project Scientist

Amy Essig Desai
Senior Project Manager

cc: Mr. E. Gilbert Leon Jr., EMJ
Mr. William Joyce; Salter Joyce Ziker, PLLC
Ms. Toni Azzola, City of Kent
Mr. Sean Wells, City of Kent

KJD/AED:bw

FARALLON consulting

975 5th Avenue Northwest, Issaquah, Washington 98027
Tel: (425) 295-0800 Fax: (425) 295-0850
www.farallonconsulting.com

August 8, 2011

Mr. David South
Washington State Department of Ecology
3190 160th Avenue Southeast
Bellevue, Washington 98009

RE: MONTHLY PROGRESS REPORT – JULY 2011
EMJ SLAG SITE, KENT, WASHINGTON
CONSENT DECREE NO. 95-2-15301-1
FARALLON PN: 831-022

Dear Mr. South:

Farallon Consulting, L.L.C. (Farallon) has prepared this monthly progress report to document activities conducted during July 2011 at the EMJ Slag Site in Kent, Washington (herein referred to as the Site). This monthly progress report was prepared in accordance with the requirements of Consent Decree No. 95-2-15301-1 dated June 22, 1995 between the Washington State Department of Ecology (Ecology) and Earle M. Jorgensen Company.

SCOPE OF WORK

This monthly progress report provides:

- A summary of field activities conducted during July 2011;
- Analytical results of samples collected during July 2011;
- A summary of deliverables submitted during July2011;
- A summary of technical and regulatory meetings during July 2011;
- A summary of planned activities, meetings, and deliverables for August and September 2011; and
- A summary of deviations from the schedule anticipated for August and September 2011.

FIELD ACTIVITIES – JULY 2011

Restoration construction activities performed by Clearcreek Contractors included placement of ecology blocks across both the north and south access roads at the Site and hydroseeding areas of the Site disturbed by final grading activities.

There has been no wastewater discharge to the King County sanitary sewer system since March 2011. Because wastewater discharges are no longer occurring, the Discharge Authorization with the King County Industrial Waste Program was terminated in July 2011.

ANALYTICAL RESULTS – JULY 2011

No analytical results were received in July 2011.

DELIVERABLES – JULY 2011

A monthly Self-Monitoring Report for June 2011 was submitted to King County Industrial Waste on July 5, 2011.

TECHNICAL AND REGULATORY MEETINGS – JULY 2011

No technical or regulatory meetings occurred during July 2011.

PLANNED ACTIVITIES, MEETINGS, AND DELIVERABLES – AUGUST AND SEPTEMBER 2011

Activities

The following activities are anticipated during August and September 2011:

- Performing a final Site survey for the as-built drawings;
- Establishing Site access control through placement of fencing; and
- Preparing the Completion Report.

Meetings

No regulatory meetings are scheduled for August and September 2011.

Deliverables

The following deliverable will be provided to Ecology during August and September 2011:

- Monthly Progress Report – August 2011 by September 10, 2011; and
- Completion Report – September 2011.

DEVIATIONS FROM SCHEDULE – AUGUST AND SEPTEMBER 2011

No deviations from the schedule are anticipated for August and September 2011.

CLOSING

Farallon trusts that this monthly progress report provides sufficient information for your needs. If you have questions regarding this project, please contact either of the undersigned at (425) 295-0800.

Sincerely,

Farallon Consulting, L.L.C.

Kristin J. Darnell, E.I.T.
Project Scientist

Amy Essig Desai
Senior Project Manager

cc: Mr. E. Gilbert Leon Jr., EMJ
Mr. William Joyce; Salter Joyce Ziker, PLLC
Ms. Toni Azzola, City of Kent
Mr. Sean Wells, City of Kent

KJD/AED:bw

FARALLON consulting

975 5th Avenue Northwest, Issaquah, Washington 98027
Tel: (425) 295-0800 Fax: (425) 295-0850
www.farallonconsulting.com

September 7, 2011

Mr. David South
Washington State Department of Ecology
3190 160th Avenue Southeast
Bellevue, Washington 98009

RE: MONTHLY PROGRESS REPORT – AUGUST 2011
EMJ SLAG SITE, KENT, WASHINGTON
CONSENT DECREE NO. 95-2-15301-1
FARALLON PN: 831-022

Dear Mr. South:

Farallon Consulting, L.L.C. (Farallon) has prepared this monthly progress report to document activities conducted during August 2011 at the EMJ Slag Site in Kent, Washington (herein referred to as the Site). This monthly progress report was prepared in accordance with the requirements of Consent Decree No. 95-2-15301-1 dated June 22, 1995 between the Washington State Department of Ecology (Ecology) and Earle M. Jorgensen Company.

SCOPE OF WORK

This monthly progress report provides:

- A summary of field activities conducted during August 2011;
- Analytical results of samples collected during August 2011;
- A summary of deliverables submitted during August 2011;
- A summary of technical and regulatory meetings during August 2011;
- A summary of planned activities, meetings, and deliverables for September and October 2011; and
- A summary of deviations from the schedule anticipated for September and October 2011.

FIELD ACTIVITIES – AUGUST 2011

Construction activities included completion of the as-built survey and location of the parcel boundaries by PLS, Inc., and installation of fencing across the north access road by Alpine Fence Company. The ecology blocks remain in place across both the north and south access roads.

ANALYTICAL RESULTS – AUGUST 2011

No analytical results were received in August 2011.

DELIVERABLES – AUGUST 2011

No deliverables were submitted in August 2011.

TECHNICAL AND REGULATORY MEETINGS – AUGUST 2011

No technical or regulatory meetings occurred during August 2011.

PLANNED ACTIVITIES, MEETINGS, AND DELIVERABLES – SEPTEMBER AND OCTOBER 2011

Activities

The following activities are anticipated during September and October 2011:

- Submittal of the Completion Report to Ecology during October 2011.

Meetings

No regulatory meetings are scheduled for September or October 2011.

Deliverables

The following deliverable will be provided to Ecology during September and October 2011:

- Monthly Progress Report – September 2011 by October 10, 2011; and
- Completion Report – October 2011.

DEVIATIONS FROM SCHEDULE – SEPTEMBER AND OCTOBER 2011

No deviations from the schedule are anticipated for September and October 2011.

CLOSING

Farallon trusts that this monthly progress report provides sufficient information for your needs. If you have questions regarding this project, please contact either of the undersigned at (425) 295-0800.

Sincerely,

Farallon Consulting, L.L.C.

Kristin J. Darnell, E.I.T.
Project Scientist

Amy Essig Desai
Senior Project Manager

cc: Mr. E. Gilbert Leon Jr., EMJ
Mr. William Joyce; Salter Joyce Ziker, PLLC
Ms. Toni Azzola, City of Kent
Mr. Sean Wells, City of Kent

KJD/AED:bw

FARALLON consulting

975 5th Avenue Northwest, Issaquah, Washington 98027
Tel: (425) 295-0800 Fax: (425) 295-0850
www.farallonconsulting.com

October 10, 2011

Mr. David South
Washington State Department of Ecology
3190 160th Avenue Southeast
Bellevue, Washington 98009

RE: MONTHLY PROGRESS REPORT – SEPTEMBER 2011
EMJ SLAG SITE, KENT, WASHINGTON
CONSENT DECREE NO. 95-2-15301-1
FARALLON PN: 831-022

Dear Mr. South:

Farallon Consulting, L.L.C. (Farallon) has prepared this monthly progress report to document activities conducted during September 2011 at the EMJ Slag Site in Kent, Washington (herein referred to as the Site). This monthly progress report was prepared in accordance with the requirements of Consent Decree No. 95-2-15301-1 dated June 22, 1995 between the Washington State Department of Ecology (Ecology) and Earle M. Jorgensen Company.

SCOPE OF WORK

This monthly progress report provides:

- A summary of field activities conducted during September 2011;
- Analytical results of samples collected during September 2011;
- A summary of deliverables submitted during September 2011;
- A summary of technical and regulatory meetings during September 2011;
- A summary of planned activities, meetings, and deliverables for October and November 2011; and
- A summary of deviations from the schedule anticipated for October and November 2011.

FIELD ACTIVITIES – SEPTEMBER 2011

Farallon inspected the fencing installed by Alpine Fence Company across the north access road.

ANALYTICAL RESULTS – SEPTEMBER 2011

No analytical results were received in September 2011.

DELIVERABLES – SEPTEMBER 2011

No deliverables were submitted in September 2011.

TECHNICAL AND REGULATORY MEETINGS – SEPTEMBER 2011

No technical or regulatory meetings occurred during September 2011.

PLANNED ACTIVITIES, MEETINGS, AND DELIVERABLES – OCTOBER AND NOVEMBER 2011

Activities

The following activities are anticipated during October and November 2011:

- Submittal of the Completion Report to Ecology during November 2011.

Meetings

No regulatory meetings are scheduled for October or November 2011.

Deliverables

The following deliverables will be provided to Ecology during October and November 2011:

- Monthly Progress Report – October 2011 by November 10, 2011; and
- Completion Report – November 2011.

DEVIATIONS FROM SCHEDULE – SEPTEMBER AND OCTOBER 2011

No deviations from the schedule are anticipated for October and November 2011.

CLOSING

Farallon trusts that this monthly progress report provides sufficient information for your needs. If you have questions regarding this project, please contact either of the undersigned at (425) 295-0800.

Sincerely,

Farallon Consulting, L.L.C.

Kristin J. Darnell, E.I.T.
Project Scientist

Amy Essig Desai
Senior Project Manager

cc: Mr. E. Gilbert Leon Jr., EMJ
Mr. William Joyce; Salter Joyce Ziker, PLLC
Ms. Toni Azzola, City of Kent
Mr. Sean Wells, City of Kent

KJD/AED:bw

FARALLON consulting

975 5th Avenue Northwest, Issaquah, Washington 98027
Tel: (425) 295-0800 Fax: (425) 295-0850
www.farallonconsulting.com

November 8, 2011

Mr. David South
Washington State Department of Ecology
3190 160th Avenue Southeast
Bellevue, Washington 98009

RE: MONTHLY PROGRESS REPORT – OCTOBER 2011
EMJ SLAG SITE, KENT, WASHINGTON
CONSENT DECREE NO. 95-2-15301-1
FARALLON PN: 831-022

Dear Mr. South:

Farallon Consulting, L.L.C. (Farallon) has prepared this monthly progress report to document activities conducted during October 2011 at the EMJ Slag Site in Kent, Washington (herein referred to as the Site). This monthly progress report was prepared in accordance with the requirements of Consent Decree No. 95-2-15301-1 dated June 22, 1995 between the Washington State Department of Ecology (Ecology) and Earle M. Jorgensen Company.

SCOPE OF WORK

This monthly progress report provides:

- A summary of field activities conducted during October 2011;
- Analytical results of samples collected during October 2011;
- A summary of deliverables submitted during October 2011;
- A summary of technical and regulatory meetings during October 2011;
- A summary of planned activities, meetings, and deliverables for November and December 2011; and
- A summary of deviations from the schedule anticipated for November and December 2011.

FIELD ACTIVITIES – OCTOBER 2011

No field activities were conducted in October 2011.

ANALYTICAL RESULTS – OCTOBER 2011

No analytical results were received in October 2011.

DELIVERABLES – OCTOBER 2011

No deliverables were submitted in October 2011.

TECHNICAL AND REGULATORY MEETINGS – OCTOBER 2011

No technical or regulatory meetings occurred during October 2011.

PLANNED ACTIVITIES, MEETINGS, AND DELIVERABLES – NOVEMBER AND DECEMBER 2011

Activities

The following activities are anticipated during November and December 2011:

- Submittal of the Completion Report to Ecology during December 2011.

Meetings

No regulatory meetings are scheduled for November or December 2011.

Deliverables

The following deliverables will be provided to Ecology during November and December 2011:

- Monthly Progress Report – November 2011 by December 10, 2011; and
- Completion Report – December 2011.

DEVIATIONS FROM SCHEDULE – OCTOBER AND NOVEMBER 2011

No deviations from the schedule are anticipated for November and December 2011.

CLOSING

Farallon trusts that this monthly progress report provides sufficient information for your needs. If you have questions regarding this project, please contact either of the undersigned at (425) 295-0800.

Sincerely,

Farallon Consulting, L.L.C.

Kristin J. Darnell, E.I.T.
Project Scientist

Amy Essig Desai
Senior Project Manager

cc: Mr. E. Gilbert Leon Jr., EMJ
Mr. William Joyce; Salter Joyce Ziker, PLLC
Ms. Toni Azzola, City of Kent
Mr. Sean Wells, City of Kent

KJD/AED:bw

FARALLON consulting

975 5th Avenue Northwest, Issaquah, Washington 98027
Tel: (425) 295-0800 Fax: (425) 295-0850
www.farallonconsulting.com

December 9, 2011

Mr. David South
Washington State Department of Ecology
3190 160th Avenue Southeast
Bellevue, Washington 98009

RE: MONTHLY PROGRESS REPORT – NOVEMBER 2011
EMJ SLAG SITE, KENT, WASHINGTON
CONSENT DECREE NO. 95-2-15301-1
FARALLON PN: 831-022

Dear Mr. South:

Farallon Consulting, L.L.C. (Farallon) has prepared this monthly progress report to document activities conducted during November 2011 at the EMJ Slag Site in Kent, Washington (herein referred to as the Site). This monthly progress report was prepared in accordance with the requirements of Consent Decree No. 95-2-15301-1 dated June 22, 1995 between the Washington State Department of Ecology (Ecology) and Earle M. Jorgensen Company.

SCOPE OF WORK

This monthly progress report provides:

- A summary of field activities conducted during November 2011;
- Analytical results of samples collected during November 2011;
- A summary of deliverables submitted during November 2011;
- A summary of technical and regulatory meetings during November 2011;
- A summary of planned activities, meetings, and deliverables for December 2011 and January 2012; and
- A summary of deviations from the schedule anticipated for December 2011 and January 2012.

FIELD ACTIVITIES – NOVEMBER 2011

No field activities were conducted in November 2011.

ANALYTICAL RESULTS – NOVEMBER 2011

No analytical results were received in November 2011.

DELIVERABLES – NOVEMBER 2011

Other than the October 2011 Progress Report, no deliverables were submitted in November 2011.

TECHNICAL AND REGULATORY MEETINGS – NOVEMBER 2011

No technical or regulatory meetings occurred during November 2011.

PLANNED ACTIVITIES, MEETINGS, AND DELIVERABLES – DECEMBER 2011 AND JANUARY 2012

Activities

The following activity is anticipated during December 2011 and January 2012:

- Submittal of the *Completion and Compliance Monitoring Report, Slag Disposal Beckwith Property Site, South 218th Street and 90th Avenue South, Kent, Washington* to Ecology December 30, 2011.

Meetings

No regulatory meetings are scheduled for December 2011 or January 2012.

Deliverables

The following deliverables will be provided to Ecology during December 2011 and January 2012:

- Monthly Progress Report – December 2011 by January 10, 2012; and
- Completion Report – December 30, 2011.

DEVIATIONS FROM SCHEDULE – DECEMBER 2011 AND JANUARY 2012

No deviations from the schedule are anticipated for December 2011 and January 2012.

CLOSING

Farallon trusts that this monthly progress report provides sufficient information for your needs. If you have questions regarding this project, please contact either of the undersigned at (425) 295-0800.

Sincerely,

Farallon Consulting, L.L.C.

Kristin J. Darnell, E.I.T.
Project Scientist

Amy Essig Desai
Senior Project Manager

cc: Mr. E. Gilbert Leon Jr., EMJ
Mr. William Joyce; Salter Joyce Ziker, PLLC
Ms. Toni Azzola, City of Kent
Mr. Sean Wells, City of Kent

KJD/AED:bw

APPENDIX H
WASTE DISPOSAL DOCUMENTATION

COMPLETION AND COMPLIANCE MONITORING REPORT
Slag Disposal, Beckwith Property Site
South 218th Street and 90th Avenue South
Kent, Washington

Farallon PN: 831-022

WASTE MANAGEMENT

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA

Day of Week	Date	Loads Recv'd	Net Tons
Friday	8/27/2010	57	1755.21
Monday	8/30/2010	53	1774.67
Tuesday	8/31/2010	66	2063.78
Wednesday	9/1/2010	88	2811.10
Thursday	9/2/2010	86	2718.53
Friday	9/3/2010	44	1351.25
Tuesday	9/7/2010	5	163.89
Tuesday	9/14/2010	88	2835.35
Wednesday	9/15/2010	68	2239.36
Wednesday	9/22/2010	2	63.66
Thursday	9/23/2010	72	2319.95
Friday	9/24/2010	66	2112.15
Monday	9/27/2010	57	1892.15
Tuesday	9/28/2010	29	846.28
Wednesday	9/29/2010	1	30.27
Thursday	9/30/2010	61	1890.87
Friday	10/1/2010	13	393.65
Tuesday	10/5/2010	17	526.74
Wednesday	10/6/2010	34	1064.33
Thursday	10/7/2010	41	1300.86
Friday	10/8/2010	2	72.46
Wednesday	10/13/2010	43	1398.63
Thursday	10/14/2010	63	2027.49
Friday	10/15/2010	26	769.28
Monday	10/18/2010	11	329.14
Wednesday	10/27/2010	11	211.69
Thursday	10/28/2010	18	304.11
Friday	10/29/2010	18	317.56
Monday	11/1/2010	3	45.50
Wednesday	11/3/2010	14	226.71
Monday	11/15/2010	1	19.18
Tuesday	11/16/2010	2	37.31
		1160	**35913.11**

Thank You,
Lori Mercer
Scale Attendant
Waste Management - ASRF
Phone: 206-763-5025

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 8/27/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
8/27/2010 8:12	21410	I538	99480	40140	59340	29.67
8/27/2010 8:07	21409	BW8	104100	39180	64920	32.46
8/27/2010 8:20	21411	I530	102300	39700	62600	31.30
8/27/2010 8:24	21412	I524	102300	39920	62380	31.19
8/27/2010 8:28	21414	I526	104080	39860	64220	32.11
8/27/2010 8:34	21415	BW16	108280	38940	69340	34.67
8/27/2010 8:38	21416	BW95	101960	45960	56000	28.00
8/27/2010 8:43	21417	BW1	121720	43360	78360	39.18
8/27/2010 9:21	21420	BW8	112260	39180	73080	36.54
8/27/2010 9:23	21421	I538	104740	40140	64600	32.30
8/27/2010 9:32	21423	I530	107860	39700	68160	34.08
8/27/2010 9:39	21425	I524	103380	39920	63460	31.73
8/27/2010 9:42	21426	I526	107660	39860	67800	33.90
8/27/2010 9:36	21424	I176	103740	38660	65080	32.54
8/27/2010 9:58	21429	BW16	111960	38940	73020	36.51
8/27/2010 10:07	21431	BW01	110120	43360	66760	33.38
8/27/2010 10:14	21433	C44	99540	40520	59020	29.51
8/27/2010 10:18	21434	BW95	96920	45960	50960	25.48
8/27/2010 10:34	21437	BW8	98700	39180	59520	29.76
8/27/2010 10:37	21438	I538	96120	40140	55980	27.99
8/27/2010 10:44	21439	I530	100200	39700	60500	30.25
8/27/2010 10:50	21441	I524	101860	39920	61940	30.97
8/27/2010 10:52	21442	I176	96320	38660	57660	28.83
8/27/2010 11:02	21444	I526	100480	39860	60620	30.31
8/27/2010 11:21	21445	BW16	96900	38940	57960	28.98
8/27/2010 11:31	21447	BW01	99760	43360	56400	28.20
8/27/2010 11:45	21450	C44	101920	40520	61400	30.70
8/27/2010 11:51	21451	BW95	97620	45960	51660	25.83
8/27/2010 11:53	21452	BW8	103460	39180	64280	32.14
8/27/2010 11:58	21453	I538	100700	40140	60560	30.28
8/27/2010 12:05	21455	I530	105320	39700	65620	32.81
8/27/2010 12:12	21456	I524	102140	39920	62220	31.11
8/27/2010 12:18	21457	I176	102280	38660	63620	31.81

8/27/2010 12:22	21458	I526	98800	39860	58940	29.47
8/27/2010 13:03	21461	BW16	99580	38940	60640	30.32
8/27/2010 13:24	21465	BW01	107140	43360	63780	31.89
8/27/2010 13:26	21466	BW8	105320	39180	66140	33.07
8/27/2010 13:28	21467	C44	97400	40520	56880	28.44
8/27/2010 13:34	21469	BW95	101700	45960	55740	27.87
8/27/2010 13:37	21470	I538	96760	40140	56620	28.31
8/27/2010 13:39	21471	I530	96200	39700	56500	28.25
8/27/2010 13:51	21472	I524	95980	39920	56060	28.03
8/27/2010 13:53	21473	I176	99920	38660	61260	30.63
8/27/2010 13:58	21474	I526	99960	39860	60100	30.05
8/27/2010 14:25	21477	BW16	102380	38940	63440	31.72
8/27/2010 14:51	21478	BW8	101220	39180	62040	31.02
8/27/2010 14:56	21479	BW01	116720	43360	73360	36.68
8/27/2010 14:57	21480	BW95	100320	45960	54360	27.18
8/27/2010 15:04	21481	I538	92340	40140	52200	26.10
8/27/2010 15:12	21482	I530	99120	39700	59420	29.71
8/27/2010 15:15	21483	I524	95700	39920	55780	27.89
8/27/2010 15:19	21485	I526	107900	39860	68040	34.02
8/27/2010 15:24	21486	I176	93420	38660	54760	27.38
8/27/2010 15:28	21487	I588T	106040	39420	66620	33.31
8/27/2010 15:31	21488	I568	103800	39100	64700	32.35
8/27/2010 16:00	21489	I590T	95860	39320	56540	28.27
8/27/2010 16:02	21490	I586T	97120	39660	57460	28.73

57 Loads **1755.21**

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 8/30/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
8/30/2010 7:32	21491	I538	111920	40140	71780	35.89
8/30/2010 7:39	21494	I524	96380	39920	56460	28.23
8/30/2010 7:43	21495	I528	112620	39160	73460	36.73
8/30/2010 7:46	21496	I526	107440	39860	67580	33.79
8/30/2010 7:56	21499	I586T	110100	39660	70440	35.22
8/30/2010 8:11	21500	BW01	119300	43360	75940	37.97
8/30/2010 8:25	21502	I584	100100	39880	60220	30.11
8/30/2010 8:20	21501	I158	103500	37540	65960	32.98
8/30/2010 8:45	21505	I538	107560	40140	67420	33.71
8/30/2010 8:55	21506	I524	110140	39920	70220	35.11
8/30/2010 9:00	21507	I526	104500	39860	64640	32.32
8/30/2010 9:01	21508	I528	112460	39160	73300	36.65
8/30/2010 9:20	21512	I586T	103600	39660	63940	31.97
8/30/2010 9:13	21509	R24	107720	38780	68940	34.47
8/30/2010 9:19	21510	R30	103620	39360	64260	32.13
8/30/2010 9:37	21516	BW01	114140	43360	70780	35.39
8/30/2010 9:41	21517	I158	104520	37540	66980	33.49
8/30/2010 9:27	21514	R731	114820	39780	75040	37.52
8/30/2010 9:50	21519	I584	106060	39880	66180	33.09
8/30/2010 9:56	21520	I538	105120	40140	64980	32.49
8/30/2010 10:01	21521	I524	111000	39920	71080	35.54
8/30/2010 10:04	21522	I528	106040	39160	66880	33.44
8/30/2010 10:40	21527	R24	107180	38780	68400	34.20
8/30/2010 10:42	21528	R30	100540	39360	61180	30.59
8/30/2010 10:53	21530	BW01	106940	43360	63580	31.79
8/30/2010 10:57	21532	I158	104900	37540	67360	33.68
8/30/2010 11:04	21533	R731	99840	39780	60060	30.03
8/30/2010 11:07	21534	I584	103040	39880	63160	31.58
8/30/2010 11:10	21536	I538	103600	40140	63460	31.73
8/30/2010 11:15	21537	I524	105740	39920	65820	32.91
8/30/2010 11:16	21538	I528	105140	39160	65980	32.99
8/30/2010 11:58	21544	R24	110480	38780	71700	35.85
8/30/2010 12:04	21545	R30	101120	39360	61760	30.88

8/30/2010 12:07	21546	BW01	110960	43360	67600	33.80
8/30/2010 12:16	21547	I158	109960	37540	72420	36.21
8/30/2010 12:32	21549	R731	108560	39780	68780	34.39
8/30/2010 12:34	21550	I584	100100	39880	60220	30.11
8/30/2010 12:36	21551	I538	109380	40140	69240	34.62
8/30/2010 12:44	21553	I524	109380	39920	69460	34.73
8/30/2010 12:46	21554	I528	106980	39160	67820	33.91
8/30/2010 13:34	21557	R24	117120	38780	78340	39.17
8/30/2010 13:39	21558	R30	111840	39360	72480	36.24
8/30/2010 13:41	21559	BW01	106000	43360	62640	31.32
8/30/2010 13:56	21562	I158	99720	37540	62180	31.09
8/30/2010 14:03	21564	R731	105380	39780	65600	32.80
8/30/2010 14:05	21565	I584	97180	39880	57300	28.65
8/30/2010 14:09	21566	I538	102220	40140	62080	31.04
8/30/2010 14:23	21567	I528	100020	39160	60860	30.43
8/30/2010 15:03	21570	R24	121040	38780	82260	41.13
8/30/2010 15:05	21571	R30	102320	39360	62960	31.48
8/30/2010 15:07	21572	BW01	103940	43360	60580	30.29
8/30/2010 15:16	21574	I158	111520	37540	73980	36.99
8/30/2010 15:31	21575	I584	103480	39880	63600	31.80

53 Loads **1774.67**

WASTE MANAGEMENT

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 8/31/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
8/31/2010 7:51	21580	I538	103840	40140	63700	31.85
8/31/2010 7:59	21582	I530	103360	39700	63660	31.83
8/31/2010 8:01	21583	I158	97340	37540	59800	29.90
8/31/2010 8:03	21584	I528	103820	39160	64660	32.33
8/31/2010 8:35	21588	I178	108640	39560	69080	34.54
8/31/2010 8:47	21592	BW95	104060	45960	58100	29.05
8/31/2010 8:54	21595	R30	104160	39360	64800	32.40
8/31/2010 8:44	21591	R22	96700	35940	60760	30.38
8/31/2010 9:19	21599	I538	108240	40140	68100	34.05
8/31/2010 9:23	21600	R731	108920	39780	69140	34.57
8/31/2010 9:33	21602	I524	107140	39920	67220	33.61
8/31/2010 9:39	21603	I528	105040	39160	65880	32.94
8/31/2010 9:41	21604	I158	110240	37540	72700	36.35
8/31/2010 9:54	21605	BW01	105860	43360	62500	31.25
8/31/2010 10:11	21608	R22	89200	35940	53260	26.63
8/31/2010 10:18	21611	I178	98580	39560	59020	29.51
8/31/2010 10:23	21612	BW95	103480	45960	57520	28.76
8/31/2010 10:28	21614	BW8	110280	39180	71100	35.55
8/31/2010 10:40	21618	R30	106720	39360	67360	33.68
8/31/2010 10:46	21619	I538	101980	40140	61840	30.92
8/31/2010 11:05	21624	R731	102780	39780	63000	31.50
8/31/2010 11:16	21626	BW16	100200	38940	61260	30.63
8/31/2010 11:22	21628	I524	103780	39920	63860	31.93
8/31/2010 11:26	21629	I528	101500	39160	62340	31.17
8/31/2010 11:40	21632	I158	101160	37540	63620	31.81
8/31/2010 11:43	21633	BW01	103200	43360	59840	29.92
8/31/2010 11:53	21635	R22	85340	35940	49400	24.70
8/31/2010 12:00	21637	I532	99600	39860	59740	29.87
8/31/2010 12:10	21640	I178	107380	39560	67820	33.91
8/31/2010 12:14	21641	BW95	93580	45960	47620	23.81
8/31/2010 12:16	21642	BW8	97960	39180	58780	29.39
8/31/2010 12:30	21643	R30	111740	39360	72380	36.19
8/31/2010 12:32	21644	I538	102260	40140	62120	31.06

8/31/2010 12:48	21648	I588T	105500	39420	66080	33.04
8/31/2010 12:58	21650	BW16	97800	38940	58860	29.43
8/31/2010 13:03	21651	I590T	105780	39320	66460	33.23
8/31/2010 13:09	21653	I524	103500	39920	63580	31.79
8/31/2010 13:16	21655	I528	100060	39160	60900	30.45
8/31/2010 13:29	21659	I158	94380	37540	56840	28.42
8/31/2010 13:34	21660	BW01	105460	43360	62100	31.05
8/31/2010 13:37	21661	R731	103660	39780	63880	31.94
8/31/2010 13:40	21662	R22	89780	35940	53840	26.92
8/31/2010 13:44	21663	I532	101420	39860	61560	30.78
8/31/2010 14:07	21666	I178	103900	39560	64340	32.17
8/31/2010 14:10	21667	BW95	96560	45960	50600	25.30
8/31/2010 14:12	21668	I176	101440	38660	62780	31.39
8/31/2010 14:14	21669	R30	104900	39360	65540	32.77
8/31/2010 14:30	21672	T21	106860	41300	65560	32.78
8/31/2010 14:32	21673	I588T	93240	39420	53820	26.91
8/31/2010 14:40	21674	T19	99360	37000	62360	31.18
8/31/2010 14:43	21675	SS119	112100	40500	71600	35.80
8/31/2010 14:46	21676	I590T	101820	39320	62500	31.25
8/31/2010 14:49	21677	I524	96460	39920	56540	28.27
8/31/2010 14:53	21679	I526	103880	39860	64020	32.01
8/31/2010 14:56	21680	I528	105300	39160	66140	33.07
8/31/2010 14:58	21681	SS101	96980	37420	59560	29.78
8/31/2010 15:02	21682	TM43	90800	35620	55180	27.59
8/31/2010 15:09	21683	R515	103040	38060	64980	32.49
8/31/2010 15:21	21685	R106	108620	38780	69840	34.92
8/31/2010 15:25	21686	I158	108200	37540	70660	35.33
8/31/2010 15:31	21688	BW01	107500	43360	64140	32.07
8/31/2010 15:35	21689	I532	103360	39860	63500	31.75
8/31/2010 15:40	21690	I530	101400	39700	61700	30.85
8/31/2010 15:43	21691	R22	95640	35940	59700	29.85
8/31/2010 15:48	21692	I178	109200	39560	69640	34.82
8/31/2010 15:50	21693	BW95	102740	45960	56780	28.39

66 Loads **2063.78**

WASTE MANAGEMENT

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 9/1/10

Time In	Voided / Old Ticket No.	New / Revised Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)	
9/1/2010 7:22	21695	21835	C44	107140	40520	66620	33.31	
9/1/2010 7:37	21697	21837	C43	101060	40300	60760	30.38	
9/1/2010 7:40	21698	21840	I538	104540	40140	64400	32.20	
9/1/2010 7:42	21699	21842	I530	105980	39700	66280	33.14	
9/1/2010 7:44	21700	21846	I524	103760	39920	63840	31.92	
9/1/2010 7:47	21701	21848	I528	109500	39160	70340	35.17	
9/1/2010 7:50	21702	21849	I160	106320	38480	67840	33.92	
9/1/2010 8:00	21704	21850	BW01	107600	43360	64240	32.12	
9/1/2010 8:03	21705	21852	BW95	105340	45960	59380	29.69	
9/1/2010 8:11	21707	21853	BW16	107920	38940	68980	34.49	
9/1/2010 8:26	21711	21855	R30	105220	39360	65860	32.93	
9/1/2010 8:38	21713	21858	C44	100040	40520	59520	29.76	
9/1/2010 8:42	21714	21859	R22	91060	35940	55120	27.56	
9/1/2010 8:47	21715	21861	I538	102400	40140	62260	31.13	
9/1/2010 8:50	21716	21863	R731	108400	39780	68620	34.31	
9/1/2010 8:58	21717	21864	C43	101080	40300	60780	30.39	was 30.33
9/1/2010 9:00	21718	21867	I530	106660	39700	66960	33.48	
9/1/2010 9:02	21719	21870	I524	94700	39920	54780	27.39	
9/1/2010 9:08	21721	21871	I528	109000	39160	69840	34.92	
9/1/2010 9:10	21722	21874	I160	102600	38480	64120	32.06	
9/1/2010 9:12	21723	21875	BW01	106160	43360	62800	31.40	
9/1/2010 9:22	21726	21876	BW95	94180	45960	48220	24.11	
9/1/2010 9:35	21728	21877	BW16	106460	38940	67520	33.76	
9/1/2010 9:45	21730	21878	R30	103380	39360	64020	32.01	
9/1/2010 9:54	21731	21879	C44	108580	40520	68060	34.03	
9/1/2010 9:57	21732	21880	BW8	100200	39180	61020	30.51	
9/1/2010 10:02	21734	21883	I538	106220	40140	66080	33.04	
9/1/2010 10:05	21735	21884	R22	90020	35940	54080	27.04	
9/1/2010 10:13	21737	21885	C43	105740	40300	65440	32.72	
9/1/2010 10:16	21738	21886	I530	101700	39700	62000	31.00	
9/1/2010 10:18	21739	21887	I524	99480	39920	59560	29.78	
9/1/2010 10:23	21740	21888	I528	105380	39160	66220	33.11	
9/1/2010 10:33	21741	21889	I160	105900	38480	67420	33.71	
9/1/2010 10:35	21742	21891	R731	106460	39780	66680	33.34	
9/1/2010 10:47	21744	21893	BW01	114560	43360	71200	35.60	
9/1/2010 10:50	21745	21894	BW95	95420	45960	49460	24.73	
9/1/2010 10:59	21747	21896	BW16	112340	38940	73400	36.70	

9/1/2010 11:01	21748	21898	R30	104980	39360	65620	32.81
9/1/2010 11:07	21749	21899	BW8	114260	39180	75080	37.54
9/1/2010 11:12	21750	21900	C44	103920	40520	63400	31.70
9/1/2010 11:18	21751	21901	I538	102380	40140	62240	31.12
9/1/2010 11:21	21752	21902	C43	99060	40300	58760	29.38
9/1/2010 11:25	21753	21903	R22	96080	35940	60140	30.07
9/1/2010 11:31	21755	21904	I530	111640	39700	71940	35.97
9/1/2010 11:33	21756	21905	I524	106060	39920	66140	33.07
9/1/2010 11:40	21758	21906	I528	114720	39160	75560	37.78
9/1/2010 11:47	21760	21907	I160	101200	38480	62720	31.36
9/1/2010 11:55	21761	21908	BW01	102040	43360	58680	29.34
9/1/2010 11:58	21762	21909	R731	116280	39780	76500	38.25
9/1/2010 12:14	21763	21932	BW95	111040	45960	65080	32.54
9/1/2010 12:23	21764	21933	BW16	102300	38940	63360	31.68
9/1/2010 12:25	21765	21935	R30	102660	39360	63300	31.65
9/1/2010 12:27	21766	21936	BW8	105860	39180	66680	33.34
9/1/2010 12:29	21767	21937	C44	104360	40520	63840	31.92
9/1/2010 12:34	21769	21938	I538	106640	40140	66500	33.25
9/1/2010 12:37	21770	21941	C43	105460	40300	65160	32.58
9/1/2010 12:45	21772	21945	R22	98020	35940	62080	31.04
9/1/2010 12:53	21773	21946	I530	111580	39700	71880	35.94
9/1/2010 12:55	21774	21948	I524	107360	39920	67440	33.72
9/1/2010 12:57	21775	21951	I528	102600	39160	63440	31.72
9/1/2010 13:10	21776	21952	I160	103120	38480	64640	32.32
9/1/2010 13:19	21777	21957	BW01	103320	43360	59960	29.98
9/1/2010 13:27	21779	21958	BW16	99840	38940	60900	30.45
9/1/2010 13:29	21780	21959	BW95	105760	45960	59800	29.90
9/1/2010 13:32	21781	21970	R731	108760	39780	68980	34.49
9/1/2010 13:35	21782	21971	R30	100040	39360	60680	30.34
9/1/2010 13:38	21783	21972	BW8	98340	39180	59160	29.58
9/1/2010 13:46	21784	21973	C44	97640	40520	57120	28.56
9/1/2010 13:54	21786	21974	I538	105520	40140	65380	32.69
9/1/2010 13:58	21787	21975	R22	95820	35940	59880	29.94
9/1/2010 14:03	21789	21976	I530	107460	39700	67760	33.88
9/1/2010 14:05	21790	21977	C43	97500	40300	57200	28.60
9/1/2010 14:07	21791	21978	I524	104040	39920	64120	32.06
9/1/2010 14:10	21792	21979	I528	105220	39160	66060	33.03
9/1/2010 14:21	21793	21980	I160	106580	38480	68100	34.05
9/1/2010 14:38	21796	21981	BW01	103900	43360	60540	30.27
9/1/2010 14:43	21797	21982	BW16	102560	38940	63620	31.81
9/1/2010 14:50	21798	21983	BW95	99960	45960	54000	27.00
9/1/2010 14:55	21799	21984	R30	100160	39360	60800	30.40
9/1/2010 14:59	21800	21985	BW8	106240	39180	67060	33.53
9/1/2010 15:11	21802	21986	C44	101280	40520	60760	30.38
9/1/2010 15:20	21803	21987	I538	104660	40140	64520	32.26
9/1/2010 15:28	21805	21988	R22	95760	35940	59820	29.91
9/1/2010 15:40	21806	21989	I530	106260	39700	66560	33.28
9/1/2010 15:42	21807	21990	I528	102480	39160	63320	31.66
9/1/2010 15:52	21808	21991	I524	109280	39920	69360	34.68
9/1/2010 15:55	21809	21992	C43	97060	40300	56760	28.38
9/1/2010 16:06	21810	21993	I160	104560	38480	66080	33.04

88 Loads **2811.10**

Please note original voided ticket # 21717 had the wrong truck number, was R43 (hence wrong tare weight) I corrected that when I re-issued the ticket (revised ticket # 21864) to the correct truck number (C43) and tare weight. The billing for these loads will refer to the revised (corrected) ticket numbers.
Please contact me if you have any questions at all.
Thank You,. Lori Mercer 206-763-5025

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 9/2/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
9/2/2010 7:32	21811	BW8	98480	39180	59300	29.65
9/2/2010 7:34	21812	BW16	96840	38940	57900	28.95
9/2/2010 7:38	21813	I538	96540	40140	56400	28.20
9/2/2010 7:43	21814	SS101	87340	37420	49920	24.96
9/2/2010 7:46	21815	R30	96860	39360	57500	28.75
9/2/2010 7:55	21817	R22	90400	35940	54460	27.23
9/2/2010 8:02	21820	TM43	89800	35620	54180	27.09
9/2/2010 7:52	21816	R21	102020	42280	59740	29.87
9/2/2010 8:08	21821	R24	92580	38780	53800	26.90
9/2/2010 8:13	21822	CT363	97160	41500	55660	27.83
9/2/2010 8:15	21823	I530	99000	39700	59300	29.65
9/2/2010 8:18	21824	R731	100420	39780	60640	30.32
9/2/2010 8:20	21825	TM37	88160	35920	52240	26.12
9/2/2010 8:01	21819	R23	91180	40660	50520	25.26
9/2/2010 8:25	21826	T21	105960	41300	64660	32.33
9/2/2010 8:45	21827	BW8	104740	39180	65560	32.78
9/2/2010 8:47	21828	BW16	112580	38940	73640	36.82
9/2/2010 8:51	21829	I538	108440	40140	68300	34.15
9/2/2010 8:55	21831	SS101	104160	37420	66740	33.37
9/2/2010 9:01	21832	R30	102260	39360	62900	31.45
9/2/2010 9:10	21833	R21	113640	42280	71360	35.68
9/2/2010 9:12	21834	R22	106520	35940	70580	35.29
9/2/2010 9:17	21836	SS103	94580	35580	59000	29.50
9/2/2010 9:23	21838	TM43	94580	35620	58960	29.48
9/2/2010 9:32	21843	R23	101620	40660	60960	30.48
9/2/2010 9:35	21844	R24	101760	38780	62980	31.49
9/2/2010 9:38	21845	CT363	109420	41500	67920	33.96
9/2/2010 9:41	21847	I530	105440	39700	65740	32.87
9/2/2010 9:51	21851	R731	113660	39780	73880	36.94
9/2/2010 9:55	21854	TM37	95540	35920	59620	29.81
9/2/2010 9:57	21856	T21	101140	41300	59840	29.92
9/2/2010 9:58	21857	BW8	105360	39180	66180	33.09
9/2/2010 10:02	21860	BW16	103780	38940	64840	32.42

9/2/2010 10:04	21862	I538	105920	40140	65780	32.89
9/2/2010 10:12	21866	SS101	96960	37420	59540	29.77
9/2/2010 10:16	21869	R30	107120	39360	67760	33.88
9/2/2010 10:19	21872	R21	109200	42280	66920	33.46
9/2/2010 10:24	21873	R22	97020	35940	61080	30.54
9/2/2010 10:34	21881	SS103	90420	35580	54840	27.42
9/2/2010 10:36	21882	TM43	93840	35620	58220	29.11
9/2/2010 10:53	21890	R23	100220	40660	59560	29.78
9/2/2010 10:55	21892	R24	107180	38780	68400	34.20
9/2/2010 11:02	21897	CT363	106720	41500	65220	32.61
9/2/2010 11:18	21910	R731	115480	39780	75700	37.85
9/2/2010 11:21	21911	T21	112500	41300	71200	35.60
9/2/2010 11:22	21912	BW8	110940	39180	71760	35.88
9/2/2010 11:27	21913	TM37	91780	35920	55860	27.93
9/2/2010 11:29	21914	BW16	106640	38940	67700	33.85
9/2/2010 11:32	21915	I538	109140	40140	69000	34.50
9/2/2010 11:57	21916	SS101	103320	37420	65900	32.95
9/2/2010 11:58	21917	R30	114460	39360	75100	37.55
9/2/2010 12:11	21918	SS103	94460	35580	58880	29.44
9/2/2010 12:15	21919	R22	98700	35940	62760	31.38
9/2/2010 12:17	21920	TM43	92720	35620	57100	28.55
9/2/2010 12:20	21921	R23	102780	40660	62120	31.06
9/2/2010 12:30	21922	R24	111020	38780	72240	36.12
9/2/2010 12:39	21923	CT363	99460	41500	57960	28.98
9/2/2010 12:47	21924	T21	113660	41300	72360	36.18
9/2/2010 12:48	21925	BW8	105440	39180	66260	33.13
9/2/2010 12:54	21927	TM37	99220	35920	63300	31.65
9/2/2010 12:58	21928	I538	99140	40140	59000	29.50
9/2/2010 13:02	21929	BW16	108540	38940	69600	34.80
9/2/2010 13:07	21930	SS101	103480	37420	66060	33.03
9/2/2010 13:08	21931	R731	107980	39780	68200	34.10
9/2/2010 13:19	21934	I530	104680	39700	64980	32.49
9/2/2010 13:25	21939	SS103	95480	35580	59900	29.95
9/2/2010 13:28	21940	R22	98080	35940	62140	31.07
9/2/2010 13:36	21942	TM43	91160	35620	55540	27.77
9/2/2010 13:43	21943	R23	99420	40660	58760	29.38
9/2/2010 13:47	21944	R24	105520	38780	66740	33.37
9/2/2010 13:55	21947	CT363	98960	41500	57460	28.73
9/2/2010 13:58	21949	T21	116060	41300	74760	37.38
9/2/2010 14:11	21953	BW8	110140	39180	70960	35.48
9/2/2010 14:17	21954	TM37	91560	35920	55640	27.82
9/2/2010 14:20	21955	I538	102000	40140	61860	30.93
9/2/2010 14:21	21956	BW16	104540	38940	65600	32.80
9/2/2010 14:28	21960	SS101	103200	37420	65780	32.89
9/2/2010 14:36	21961	R731	112380	39780	72600	36.30
9/2/2010 14:38	21962	SS103	100180	35580	64600	32.30
9/2/2010 14:42	21963	R22	99560	35940	63620	31.81
9/2/2010 14:49	21964	TM43	93940	35620	58320	29.16
9/2/2010 14:51	21965	R23	98120	40660	57460	28.73
9/2/2010 15:07	21966	R24	112240	38780	73460	36.73
9/2/2010 15:09	21967	CT363	101200	41500	59700	29.85
9/2/2010 15:13	21968	T21	101880	41300	60580	30.29

9/2/2010 15:16	21969	R21	108286	42280	66006	33.00

86 Loads **2718.53**

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 9/3/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
9/3/2010 7:02	21994	C44	105180	40520	64660	32.33
9/3/2010 7:06	21995	SS22	93660	36340	57320	28.66
9/3/2010 7:20	21998	C43	106820	40300	66520	33.26
9/3/2010 7:25	21999	I538	107780	40140	67640	33.82
9/3/2010 7:27	22000	R23	96720	40660	56060	28.03
9/3/2010 7:37	22002	R515	103460	38060	65400	32.70
9/3/2010 7:39	22003	R30	110360	39360	71000	35.50
9/3/2010 7:48	22005	R22	91340	35940	55400	27.70
9/3/2010 7:51	22006	R21	99220	42280	56940	28.47
9/3/2010 7:54	22007	I530	105120	39700	65420	32.71
9/3/2010 7:56	22008	BW16	102980	38940	64040	32.02
9/3/2010 8:02	22010	BW01	107360	43360	64000	32.00
9/3/2010 8:04	22011	BW95	101020	45960	55060	27.53
9/3/2010 7:44	22004	R25	92160	37680	54480	27.24
9/3/2010 8:16	22013	R731	109220	39780	69440	34.72
9/3/2010 8:33	22016	C43	109820	40300	69520	34.76
9/3/2010 8:44	22017	R23	94200	40660	53540	26.77
9/3/2010 8:58	22019	R30	105080	39360	65720	32.86
9/3/2010 9:10	22020	R22	97020	35940	61080	30.54
9/3/2010 9:17	22021	R25	89680	37680	52000	26.00
9/3/2010 9:22	22023	R21	99160	42280	56880	28.44
9/3/2010 9:26	22024	BW16	107560	38940	68620	34.31
9/3/2010 9:51	22025	BW01	109900	43360	66540	33.27
9/3/2010 9:54	22026	BW95	105160	45960	59200	29.60
9/3/2010 10:10	22028	R731	104540	39780	64760	32.38
9/3/2010 10:35	22030	R23	102800	40660	62140	31.07
9/3/2010 10:42	22031	R30	99100	39360	59740	29.87
9/3/2010 10:44	22032	R22	92300	35940	56360	28.18
9/3/2010 10:49	22033	R25	100100	37680	62420	31.21
9/3/2010 11:05	22037	R21	102760	42280	60480	30.24
9/3/2010 11:09	22038	I530	104740	39700	65040	32.52
9/3/2010 11:12	22039	BW16	101600	38940	62660	31.33
9/3/2010 11:15	22040	BW01	106980	43360	63620	31.81

9/3/2010 11:26	22041	BW95	95280	45960	49320	24.66
9/3/2010 11:42	22042	R731	105100	39780	65320	32.66
9/3/2010 11:44	22043	R23	100200	40660	59540	29.77
9/3/2010 11:49	22044	R30	110940	39360	71580	35.79
9/3/2010 11:54	22045	R22	97160	35940	61220	30.61
9/3/2010 12:02	22046	R25	102200	37680	64520	32.26
9/3/2010 12:24	22047	I532	92100	39860	52240	26.12
9/3/2010 12:26	22048	R21	95760	42280	53480	26.74
9/3/2010 12:45	22049	BW16	105860	38940	66920	33.46
9/3/2010 12:49	22050	BW01	102920	43360	59560	29.78
9/3/2010 12:53	22051	BW95	101060	45960	55100	27.55

44 Loads **1351.25**

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 9/7/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
9/7/2010 8:09	22057	I538	106060	40140	65920	32.96
9/7/2010 8:15	22058	I530	103160	39700	63460	31.73
9/7/2010 8:18	22059	BW8	102760	39180	63580	31.79
9/7/2010 8:22	22060	BW01	108460	43360	65100	32.55
9/7/2010 8:43	22063	R731	109500	39780	69720	34.86

5 Loads **163.89**

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 9/14/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
9/14/2010 7:27	22232	I538	110020	40140	69880	34.94
9/14/2010 7:41	22233	I524	106280	39920	66360	33.18
9/14/2010 7:44	22234	I526	111680	39860	71820	35.91
9/14/2010 7:55	22235	CT381	107160	41240	65920	32.96
9/14/2010 7:59	22236	I172	104400	38440	65960	32.98
9/14/2010 8:07	22237	R106	105640	38780	66860	33.43
9/14/2010 8:12	22238	C43	109620	40300	69320	34.66
9/14/2010 8:17	22239	BW8	108920	39180	69740	34.87
9/14/2010 8:20	22240	CT384	108740	42220	66520	33.26
9/14/2010 8:22	22241	BW16	110620	38940	71680	35.84
9/14/2010 8:27	22242	BW95	102920	45960	56960	28.48
9/14/2010 8:33	22243	TM43	95460	35620	59840	29.92
9/14/2010 8:36	22244	TM41	98480	35220	63260	31.63
9/14/2010 8:48	22246	SS100	93280	37340	55940	27.97
9/14/2010 8:50	22247	I538	108900	40140	68760	34.38
9/14/2010 8:56	22248	SS93	100280	36380	63900	31.95
9/14/2010 9:02	22250	I526	108320	39860	68460	34.23
9/14/2010 9:04	22251	I524	105380	39920	65460	32.73
9/14/2010 9:12	22252	C9	105580	36020	69560	34.78
9/14/2010 9:16	22253	CT381	108820	41240	67580	33.79
9/14/2010 9:18	22254	R106	96840	38780	58060	29.03
9/14/2010 9:20	22255	I172	108620	38440	70180	35.09
9/14/2010 9:25	22256	C43	104140	40300	63840	31.92
9/14/2010 9:26	22257	BW8	105560	39180	66380	33.19
9/14/2010 9:28	22258	CT384	114360	42220	72140	36.07
9/14/2010 9:47	22259	TM43	95280	35620	59660	29.83
9/14/2010 10:05	22261	TM41	89420	35220	54200	27.10
9/14/2010 10:07	22262	I538	100460	40140	60320	30.16
9/14/2010 10:08	22263	BW95	97600	45960	51640	25.82
9/14/2010 10:16	22264	SS93	88840	36380	52460	26.23
9/14/2010 10:21	22265	SS100	95240	37340	57900	28.95
9/14/2010 10:22	22266	I526	100540	39860	60680	30.34
9/14/2010 10:25	22267	I524	112420	39920	72500	36.25

9/14/2010 10:33	22268	CT381	101940	41240	60700	30.35
9/14/2010 10:38	22269	C9	100000	36020	63980	31.99
9/14/2010 10:41	22270	R106	100040	38780	61260	30.63
9/14/2010 10:43	22271	I172	102880	38440	64440	32.22
9/14/2010 10:52	22272	BW8	102320	39180	63140	31.57
9/14/2010 10:57	22273	CT384	103420	42220	61200	30.60
9/14/2010 11:00	22274	C43	100760	40300	60460	30.23
9/14/2010 11:03	22275	TM43	93600	35620	57980	28.99
9/14/2010 11:23	22278	I538	112300	40140	72160	36.08
9/14/2010 11:35	22280	TM41	88900	35220	53680	26.84
9/14/2010 11:42	22282	SS100	91620	37340	54280	27.14
9/14/2010 11:47	22284	SS93	94160	36380	57780	28.89
9/14/2010 11:49	22285	I526	108940	39860	69080	34.54
9/14/2010 11:52	22286	I524	100960	39920	61040	30.52
9/14/2010 11:55	22287	CT381	108260	41240	67020	33.51
9/14/2010 12:06	22289	C9	99500	36020	63480	31.74
9/14/2010 12:09	22290	R106	96640	38780	57860	28.93
9/14/2010 12:12	22291	I172	100900	38440	62460	31.23
9/14/2010 12:16	22292	BW8	108980	39180	69800	34.90
9/14/2010 12:20	22293	BW95	96760	45960	50800	25.40
9/14/2010 12:39	22295	CT384	103020	42220	60800	30.40
9/14/2010 12:43	22296	C43	103540	40300	63240	31.62
9/14/2010 12:47	22297	TM43	91220	35620	55600	27.80
9/14/2010 12:57	22298	I538	105080	40140	64940	32.47
9/14/2010 13:06	22301	TM41	99180	35220	63960	31.98
9/14/2010 13:09	22303	SS100	97400	37340	60060	30.03
9/14/2010 13:12	22304	SS93	97880	36380	61500	30.75
9/14/2010 13:16	22305	I526	108600	39860	68740	34.37
9/14/2010 13:19	22306	I524	104820	39920	64900	32.45
9/14/2010 13:25	22307	CT381	113480	41240	72240	36.12
9/14/2010 13:30	22308	C9	94740	36020	58720	29.36
9/14/2010 13:33	22309	R106	102360	38780	63580	31.79
9/14/2010 13:38	22310	I172	105600	38440	67160	33.58
9/14/2010 13:58	22312	CT384	109040	42220	66820	33.41
9/14/2010 14:03	22313	C43	105640	40300	65340	32.67
9/14/2010 14:05	22314	TM43	105180	35620	69560	34.78
9/14/2010 14:07	22315	BW95	97280	45960	51320	25.66
9/14/2010 14:10	22316	I538	115540	40140	75400	37.70
9/14/2010 14:26	22318	TM41	103720	35220	68500	34.25
9/14/2010 14:42	22319	SS100	103020	37340	65680	32.84
9/14/2010 14:46	22320	I526	109200	39860	69340	34.67
9/14/2010 14:49	22321	SS93	98140	36380	61760	30.88
9/14/2010 14:54	22322	I524	114920	39920	75000	37.50
9/14/2010 14:57	22323	CT381	111000	41240	69760	34.88
9/14/2010 15:02	22324	C9	100460	36020	64440	32.22
9/14/2010 15:06	22325	BW16	109860	38940	70920	35.46
9/14/2010 15:08	22326	R106	107100	38780	68320	34.16
9/14/2010 15:11	22327	I172	108360	38440	69920	34.96
9/14/2010 15:20	22329	CT377	115040	40960	74080	37.04
9/14/2010 15:22	22330	TM43	102220	35620	66600	33.30
9/14/2010 15:26	22331	CT382	110560	40500	70060	35.03
9/14/2010 15:28	22332	I538	110540	40140	70400	35.20

9/14/2010 15:29	22333	C43	104560	40300	64260	32.13
9/14/2010 15:36	22334	BW95	112940	45960	66980	33.49
9/14/2010 15:13	22341	CT384	106680	42220	64460	32.23

88 Loads **2835.35**

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 9/15/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
9/15/2010 7:32	22343	C43	101060	40300	60760	30.38
9/15/2010 7:37	22344	SS22	97740	36340	61400	30.70
9/15/2010 7:41	22345	I538	105460	40140	65320	32.66
9/15/2010 7:44	22346	I528	104540	39160	65380	32.69
9/15/2010 7:46	22347	I172	98760	38440	60320	30.16
9/15/2010 7:49	22348	C44	104500	40520	63980	31.99
9/15/2010 7:58	22350	W48	106360	35180	71180	35.59
9/15/2010 8:11	22353	W49	108780	35580	73200	36.60
9/15/2010 8:16	22354	I158	108640	37540	71100	35.55
9/15/2010 8:22	22355	W50	106240	35420	70820	35.41
9/15/2010 8:27	22356	BW8	107420	39180	68240	34.12
9/15/2010 8:29	22357	BW95	102580	45960	56620	28.31
9/15/2010 8:33	22358	BW01	111260	43360	67900	33.95
9/15/2010 8:40	22360	BW16	105860	38940	66920	33.46
9/15/2010 8:45	22361	I530	106120	39700	66420	33.21
9/15/2010 8:49	22362	C43	115140	40300	74840	37.42
9/15/2010 8:54	22365	SS22	105660	36340	69320	34.66
9/15/2010 8:57	22366	I538	104380	40140	64240	32.12
9/15/2010 9:00	22367	I528	112320	39160	73160	36.58
9/15/2010 9:06	22368	C44	111260	40520	70740	35.37
9/15/2010 9:25	22369	W48	105320	35180	70140	35.07
9/15/2010 9:34	22370	I524	108120	39920	68200	34.10
9/15/2010 9:38	22371	I158	94360	37540	56820	28.41
9/15/2010 9:42	22373	W49	105900	35580	70320	35.16
9/15/2010 9:44	22374	BW8	100420	39180	61240	30.62
9/15/2010 9:48	22376	BW95	86660	45960	40700	20.35
9/15/2010 9:51	22377	W50	101380	35420	65960	32.98
9/15/2010 9:53	22378	BW01	103640	43360	60280	30.14
9/15/2010 9:58	22379	BW16	100860	38940	61920	30.96
9/15/2010 10:07	22380	I530	104540	39700	64840	32.42
9/15/2010 10:20	22381	SS22	97300	36340	60960	30.48
9/15/2010 10:22	22382	I538	102320	40140	62180	31.09
9/15/2010 10:27	22383	I528	103540	39160	64380	32.19

9/15/2010 10:39	22385	W48	99240	35180	64060	32.03
9/15/2010 10:55	22388	I524	105200	39920	65280	32.64
9/15/2010 11:06	22392	I158	103800	37540	66260	33.13
9/15/2010 11:10	22394	W49	96940	35580	61360	30.68
9/15/2010 11:13	22395	BW8	109460	39180	70280	35.14
9/15/2010 11:16	22396	BW95	98460	45960	52500	26.25
9/15/2010 11:22	22397	BW01	111320	43360	67960	33.98
9/15/2010 11:27	22398	BW16	106640	38940	67700	33.85
9/15/2010 11:32	22399	I530	108140	39700	68440	34.22
9/15/2010 11:36	22400	SS22	98520	36340	62180	31.09
9/15/2010 11:38	22401	I538	106460	40140	66320	33.16
9/15/2010 11:43	22402	I528	106260	39160	67100	33.55
9/15/2010 12:06	22406	I524	108300	39920	68380	34.19
9/15/2010 12:29	22409	I158	108680	37540	71140	35.57
9/15/2010 12:47	22411	BW8	105620	39180	66440	33.22
9/15/2010 12:50	22412	BW95	103740	45960	57780	28.89
9/15/2010 12:54	22413	BW01	111420	43360	68060	34.03
9/15/2010 12:57	22414	BW16	109240	38940	70300	35.15
9/15/2010 13:13	22415	SS22	94140	36340	57800	28.90
9/15/2010 13:16	22416	I530	105700	39700	66000	33.00
9/15/2010 13:18	22417	I538	103340	40140	63200	31.60
9/15/2010 13:19	22418	I528	104600	39160	65440	32.72
9/15/2010 13:28	22421	I524	106100	39920	66180	33.09
9/15/2010 13:38	22423	I158	109500	37540	71960	35.98
9/15/2010 14:05	22425	BW8	105700	39180	66520	33.26
9/15/2010 14:11	22427	BW95	100300	45960	54340	27.17
9/15/2010 14:16	22428	BW01	109000	43360	65640	32.82
9/15/2010 14:18	22429	BW16	107520	38940	68580	34.29
9/15/2010 14:32	22430	SS22	105720	36340	69380	34.69
9/15/2010 14:34	22431	I530	106480	39700	66780	33.39
9/15/2010 14:38	22432	I538	116760	40140	76620	38.31
9/15/2010 14:42	22433	I528	114440	39160	75280	37.64
9/15/2010 14:45	22434	I524	110720	39920	70800	35.40
9/15/2010 15:13	22438	I158	118080	37540	80540	40.27
9/15/2010 15:16	22439	I172	100760	38440	62320	31.16

68 Loads **2239.36**

WASTE MANAGEMENT

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 9/22/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
9/22/2010 13:36	22619	C43	100460	40300	60160	30.08
9/22/2010 14:52	22633	C43	107460	40300	67160	33.58

2 Loads **63.66**

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 9/23/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
9/23/2010 7:37	22647	I538	95780	40140	55640	27.82
9/23/2010 7:42	22648	I530	99600	39700	59900	29.95
9/23/2010 7:57	22651	I568T	89460	39100	50360	25.18
9/23/2010 8:01	22652	BW8	100360	39180	61180	30.59
9/23/2010 8:09	22653	CT427	92060	42220	49840	24.92
9/23/2010 8:13	22654	CT383	96240	40800	55440	27.72
9/23/2010 8:25	22656	CT385	98700	41040	57660	28.83
9/23/2010 8:34	22657	BW01	116060	43360	72700	36.35
9/23/2010 8:38	22658	SF35	98960	38400	60560	30.28
9/23/2010 8:44	22659	R716	111960	39780	72180	36.09
9/23/2010 8:47	22660	R731	109900	39780	70120	35.06
9/23/2010 9:00	22663	I538	115040	40140	74900	37.45
9/23/2010 9:07	22664	I530	113680	39700	73980	36.99
9/23/2010 9:30	22670	I568T	105560	39100	66460	33.23
9/23/2010 9:33	22671	BW8	113220	39180	74040	37.02
9/23/2010 9:36	22672	CT427	108920	42220	66700	33.35
9/23/2010 9:43	22673	CT383	107720	40800	66920	33.46
9/23/2010 9:48	22675	TM121	111060	38400	72660	36.33
9/23/2010 9:52	22676	CT385	110580	41040	69540	34.77
9/23/2010 9:55	22677	BW01	116640	43360	73280	36.64
9/23/2010 9:57	22678	SF35	103940	38400	65540	32.77
9/23/2010 10:03	22679	R716	111740	39780	71960	35.98
9/23/2010 10:13	22680	R731	110600	39780	70820	35.41
9/23/2010 10:16	22681	I538	108960	40140	68820	34.41
9/23/2010 10:19	22682	I530	107440	39700	67740	33.87
9/23/2010 10:36	22683	CT378	108940	41560	67380	33.69
9/23/2010 10:47	22684	I568T	107080	39100	67980	33.99
9/23/2010 10:58	22688	BW8	101580	39180	62400	31.20
9/23/2010 11:00	22689	CT427	106380	42220	64160	32.08
9/23/2010 11:06	22690	CT383	107640	40800	66840	33.42
9/23/2010 11:13	22692	SS100	96900	37340	59560	29.78
9/23/2010 11:25	22695	CT385	104680	41040	63640	31.82
9/23/2010 11:32	22697	BW01	98920	43360	55560	27.78

9/23/2010 11:34	22698	SF35	99540	38400	61140	30.57
9/23/2010 11:36	22699	R716	112560	39780	72780	36.39
9/23/2010 11:48	22702	R731	111180	39780	71400	35.70
9/23/2010 11:54	22703	I538	106700	40140	66560	33.28
9/23/2010 11:57	22704	I530	102640	39700	62940	31.47
9/23/2010 12:00	22705	CT378	102140	41560	60580	30.29
9/23/2010 12:05	22706	I568T	98080	39100	58980	29.49
9/23/2010 12:09	22707	SS101	97620	37420	60200	30.10
9/23/2010 12:16	22709	SS127	106320	39380	66940	33.47
9/23/2010 12:19	22710	BW8	98700	39180	59520	29.76
9/23/2010 12:26	22712	CT427	100620	42220	58400	29.20
9/23/2010 12:33	22713	CT383	104980	40800	64180	32.09
9/23/2010 12:35	22714	SS100	99940	37340	62600	31.30
9/23/2010 12:45	22715	CT385	105160	41040	64120	32.06
9/23/2010 12:56	22716	BW01	103400	43360	60040	30.02
9/23/2010 13:02	22717	SF35	101440	38400	63040	31.52
9/23/2010 13:05	22718	R716	108840	39780	69060	34.53
9/23/2010 13:18	22720	R731	111180	39780	71400	35.70
9/23/2010 13:21	22721	I538	103660	40140	63520	31.76
9/23/2010 13:26	22722	I530	105120	39700	65420	32.71
9/23/2010 13:29	22723	CT378	104680	41560	63120	31.56
9/23/2010 13:33	22724	I568T	102080	39100	62980	31.49
9/23/2010 13:39	22725	SS101	100340	37420	62920	31.46
9/23/2010 13:50	22726	SS127	104080	39380	64700	32.35
9/23/2010 13:58	22727	BW8	98160	39180	58980	29.49
9/23/2010 14:05	22728	CT427	103660	42220	61440	30.72
9/23/2010 14:11	22729	CT383	103100	40800	62300	31.15
9/23/2010 14:17	22730	CT385	104000	41040	62960	31.48
9/23/2010 14:20	22731	SS100	93360	37340	56020	28.01
9/23/2010 14:26	22732	SF35	95440	38400	57040	28.52
9/23/2010 14:32	22733	R716	112220	39780	72440	36.22
9/23/2010 14:38	22735	BW01	101420	43360	58060	29.03
9/23/2010 14:42	22736	R731	114640	39780	74860	37.43
9/23/2010 14:44	22737	I538	101640	40140	61500	30.75
9/23/2010 14:48	22738	I530	104380	39700	64680	32.34
9/23/2010 14:52	22739	CT378	101720	41560	60160	30.08
9/23/2010 14:56	22740	I568T	99760	39100	60660	30.33
9/23/2010 14:58	22741	SS101	100020	37420	62600	31.30
9/23/2010 15:08	22742	SS127	112580	39380	73200	36.60

72 Loads **2319.95**

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 9/24/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
9/24/2010 8:06	22757	I538	97400	40140	57260	28.63
9/24/2010 8:11	22758	I528	97220	39160	58060	29.03
9/24/2010 8:21	22761	I568T	107520	39100	68420	34.21
9/24/2010 8:34	22763	CT366	104700	40200	64500	32.25
9/24/2010 8:39	22764	CT378	105600	41560	64040	32.02
9/24/2010 8:42	22765	BW95	98280	45960	52320	26.16
9/24/2010 8:44	22766	CT384	106360	42220	64140	32.07
9/24/2010 8:48	22767	CT386	102200	40880	61320	30.66
9/24/2010 8:51	22768	R731	109180	39780	69400	34.70
9/24/2010 8:56	22769	CT426	102920	42220	60700	30.35
9/24/2010 8:58	22770	CT363	108340	41500	66840	33.42
9/24/2010 9:02	22771	CT381	100560	41240	59320	29.66
9/24/2010 9:10	22773	CT377	105220	40960	64260	32.13
9/24/2010 9:47	22778	I538	107260	40140	67120	33.56
9/24/2010 9:51	22780	I528	113580	39160	74420	37.21
9/24/2010 9:53	22781	I568T	103920	39100	64820	32.41
9/24/2010 9:55	22782	CT427	111260	42220	69040	34.52
9/24/2010 10:01	22783	CT366	111040	40200	70840	35.42
9/24/2010 10:06	22785	CT378	109580	41560	68020	34.01
9/24/2010 10:14	22787	BW95	107240	45960	61280	30.64
9/24/2010 10:27	22790	CT384	108000	42220	65780	32.89
9/24/2010 10:35	22792	CT386	105500	40880	64620	32.31
9/24/2010 10:47	22794	CT426	108740	42220	66520	33.26
9/24/2010 10:49	22795	R731	115400	39780	75620	37.81
9/24/2010 10:52	22796	CT363	113720	41500	72220	36.11
9/24/2010 10:54	22797	CT381	114080	41240	72840	36.42
9/24/2010 10:58	22798	CT377	114600	40960	73640	36.82
9/24/2010 11:06	22800	CT365	104620	40100	64520	32.26
9/24/2010 11:17	22802	I538	108440	40140	68300	34.15
9/24/2010 11:26	22804	I528	106120	39160	66960	33.48
9/24/2010 11:28	22805	I568T	101120	39100	62020	31.01
9/24/2010 11:30	22806	CT427	101660	42220	59440	29.72
9/24/2010 11:33	22807	CT366	106280	40200	66080	33.04

9/24/2010 11:43	22809	CT378	107640	41560	66080	33.04
9/24/2010 11:58	22811	BW95	94960	45960	49000	24.50
9/24/2010 12:04	22813	CT384	107060	42220	64840	32.42
9/24/2010 12:10	22815	CT386	103420	40880	62540	31.27
9/24/2010 12:13	22816	CT426	104300	42220	62080	31.04
9/24/2010 12:19	22818	R731	102520	39780	62740	31.37
9/24/2010 12:23	22819	CT363	96960	41500	55460	27.73
9/24/2010 12:25	22820	CT381	103900	41240	62660	31.33
9/24/2010 12:29	22821	CT377	102840	40960	61880	30.94
9/24/2010 12:40	22823	I538	104260	40140	64120	32.06
9/24/2010 12:51	22825	I528	102340	39160	63180	31.59
9/24/2010 12:54	22826	I568T	91800	39100	52700	26.35
9/24/2010 12:58	22828	CT427	102200	42220	59980	29.99
9/24/2010 13:01	22829	CT366	100320	40200	60120	30.06
9/24/2010 13:08	22831	CT378	103520	41560	61960	30.98
9/24/2010 13:14	22832	BW95	96100	45960	50140	25.07
9/24/2010 13:21	22834	CT384	105660	42220	63440	31.72
9/24/2010 13:30	22835	CT386	104200	40880	63320	31.66
9/24/2010 13:35	22836	CT426	105040	42220	62820	31.41
9/24/2010 13:44	22838	R731	110340	39780	70560	35.28
9/24/2010 13:49	22839	CT363	106340	41500	64840	32.42
9/24/2010 13:51	22840	CT381	109140	41240	67900	33.95
9/24/2010 14:07	22842	CT377	106440	40960	65480	32.74
9/24/2010 14:25	22844	I538	106620	40140	66480	33.24
9/24/2010 14:28	22845	I528	100040	39160	60880	30.44
9/24/2010 14:34	22846	I568T	94280	39100	55180	27.59
9/24/2010 14:50	22848	CT427	112940	42220	70720	35.36
9/24/2010 15:06	22850	CT366	105440	40200	65240	32.62
9/24/2010 15:10	22851	CT426	106440	42220	64220	32.11
9/24/2010 15:16	22852	CT378	111000	41560	69440	34.72
9/24/2010 15:26	22853	BW95	107680	45960	61720	30.86
9/24/2010 15:30	22854	CT384	107840	42220	65620	32.81
9/24/2010 15:37	22855	CT386	103160	40880	62280	31.14

66 Loads **2112.15**

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 9/27/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
9/27/2010 7:37	22859	I528	113260	39160	74100	37.05
9/27/2010 7:52	22860	I158	109380	37540	71840	35.92
9/27/2010 8:08	22862	I524	103220	39920	63300	31.65
9/27/2010 8:15	22863	BW8	119760	39180	80580	40.29
9/27/2010 8:20	22864	R731	113820	39780	74040	37.02
9/27/2010 8:49	22868	TM47	108560	42120	66440	33.22
9/27/2010 8:53	22869	CT385	103540	41040	62500	31.25
9/27/2010 8:56	22870	BW01	111380	43360	68020	34.01
9/27/2010 8:58	22871	CT427	100600	42220	58380	29.19
9/27/2010 8:27	22866	CT401	108740	40780	67960	33.98
9/27/2010 9:10	22873	I528	101680	39160	62520	31.26
9/27/2010 9:15	22874	CT374	116040	43460	72580	36.29
9/27/2010 9:27	22875	I158	102100	37540	64560	32.28
9/27/2010 9:30	22876	I524	106960	39920	67040	33.52
9/27/2010 9:34	22877	BW8	95300	39180	56120	28.06
9/27/2010 9:48	22880	R731	108860	39780	69080	34.54
9/27/2010 10:14	22881	CT410	100840	42060	58780	29.39
9/27/2010 10:21	22883	TM47	102440	42120	60320	30.16
9/27/2010 10:23	22884	CT385	99180	41040	58140	29.07
9/27/2010 10:26	22885	BW01	109940	43360	66580	33.29
9/27/2010 10:36	22887	I528	109380	39160	70220	35.11
9/27/2010 10:38	22888	CT427	100600	42220	58380	29.19
9/27/2010 10:41	22889	CT374	122280	43460	78820	39.41
9/27/2010 10:43	22890	I538	103780	40140	63640	31.82
9/27/2010 10:51	22891	I524	112300	39920	72380	36.19
9/27/2010 10:53	22892	I158	99160	37540	61620	30.81
9/27/2010 11:01	22894	BW8	113160	39180	73980	36.99
9/27/2010 11:03	22895	R731	106600	39780	66820	33.41
9/27/2010 11:09	22896	CT401	102660	40780	61880	30.94
9/27/2010 11:34	22901	CT410	106640	42060	64580	32.29
9/27/2010 11:41	22903	TM47	109440	42120	67320	33.66
9/27/2010 11:43	22904	CT385	98180	41040	57140	28.57
9/27/2010 11:49	22905	BW01	99780	43360	56420	28.21

9/27/2010 11:58	22909	I528	106120	39160	66960	33.48
9/27/2010 12:03	22910	CT427	110340	42220	68120	34.06
9/27/2010 12:07	22911	I538	105740	40140	65600	32.80
9/27/2010 12:09	22912	I524	104620	39920	64700	32.35
9/27/2010 12:20	22913	I158	104580	37540	67040	33.52
9/27/2010 12:24	22914	BW8	98820	39180	59640	29.82
9/27/2010 12:26	22915	CT374	110600	43460	67140	33.57
9/27/2010 12:29	22916	R731	105280	39780	65500	32.75
9/27/2010 12:42	22918	CT401	114800	40780	74020	37.01
9/27/2010 13:04	22920	CT410	107080	42060	65020	32.51
9/27/2010 13:07	22921	TM47	124140	42120	82020	41.01
9/27/2010 13:11	22922	CT385	104880	41040	63840	31.92
9/27/2010 13:32	22925	I528	102220	39160	63060	31.53
9/27/2010 13:35	22926	SS101	103560	37420	66140	33.07
9/27/2010 13:37	22927	BW01	112460	43360	69100	34.55
9/27/2010 13:39	22928	CT427	101840	42220	59620	29.81
9/27/2010 13:44	22929	I538	103320	40140	63180	31.59
9/27/2010 13:51	22930	I524	104600	39920	64680	32.34
9/27/2010 13:57	22931	I158	107400	37540	69860	34.93
9/27/2010 13:59	22932	BW8	109600	39180	70420	35.21
9/27/2010 14:23	22934	R731	110120	39780	70340	35.17
9/27/2010 14:28	22935	CT401	110640	40780	69860	34.93
9/27/2010 14:36	22936	CT374	105520	43460	62060	31.03
9/27/2010 14:58	22938	I528	109460	39160	70300	35.15

57 Loads **1892.15**

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 9/28/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
9/28/2010 7:32	22939	SS22	98520	36340	62180	31.09
9/28/2010 7:37	22941	C43	105240	40300	64940	32.47
9/28/2010 7:55	22943	CT363	108120	41500	66620	33.31
9/28/2010 8:07	22944	BW8	91720	39180	52540	26.27
9/28/2010 8:12	22945	CT366	101460	40200	61260	30.63
9/28/2010 8:23	22946	CT378	99720	41560	58160	29.08
9/28/2010 8:44	22948	BW95	96640	45960	50680	25.34
9/28/2010 8:48	22949	BW01	99180	43360	55820	27.91
9/28/2010 9:27	22952	SS22	90020	36340	53680	26.84
9/28/2010 9:30	22953	C43	106500	40300	66200	33.10
9/28/2010 9:32	22954	CT363	105340	41500	63840	31.92
9/28/2010 9:36	22955	BW8	96420	39180	57240	28.62
9/28/2010 9:52	22957	CT378	92380	41560	50820	25.41
9/28/2010 10:00	22958	CT366	99080	40200	58880	29.44
9/28/2010 10:04	22960	BW01	95880	43360	52520	26.26
9/28/2010 10:12	22962	BW95	96180	45960	50220	25.11
9/28/2010 10:44	22966	SS22	100200	36340	63860	31.93
9/28/2010 10:47	22967	C43	98480	40300	58180	29.09
9/28/2010 11:04	22969	CT363	102600	41500	61100	30.55
9/28/2010 11:18	22970	BW8	93700	39180	54520	27.26
9/28/2010 11:36	22971	CT378	100600	41560	59040	29.52
9/28/2010 12:05	22974	BW01	103900	43360	60540	30.27
9/28/2010 12:08	22975	BW95	93280	45960	47320	23.66
9/28/2010 12:15	22977	SS22	102240	36340	65900	32.95
9/28/2010 12:22	22978	C43	100020	40300	59720	29.86
9/28/2010 13:43	22990	SS22	81820	36340	45480	22.74
9/28/2010 13:47	22992	C43	89140	40300	48840	24.42
9/28/2010 15:21	23020	SS22	106840	36340	70500	35.25
9/28/2010 15:28	23024	C43	112260	40300	71960	35.98

29 Loads **846.28**

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 9/29/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
9/29/2010 7:38	23061	SS22	96880	36340	60540	30.27

1 Loads **30.27**

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 9/30/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
9/30/2010 7:23	23172	SS22	99340	36340	63000	31.50
9/30/2010 7:41	23174	I576	106120	39320	66800	33.40
9/30/2010 7:45	23175	M69T	103580	41480	62100	31.05
9/30/2010 8:02	23180	BW95	94760	45960	48800	24.40
9/30/2010 7:48	23176	J304	114140	42240	71900	35.95
9/30/2010 8:09	23181	BW01	103220	43360	59860	29.93
9/30/2010 7:52	23177	I174	106720	38900	67820	33.91
9/30/2010 7:58	23179	D17T	92180	37720	54460	27.23
9/30/2010 8:21	23182	BW16	110760	38940	71820	35.91
9/30/2010 8:35	23185	R731	113020	39780	73240	36.62
9/30/2010 8:39	23187	BW8	112960	39180	73780	36.89
9/30/2010 8:43	23189	I176	106480	38660	67820	33.91
9/30/2010 8:52	23192	SS22	99720	36340	63380	31.69
9/30/2010 8:26	23183	DT302	94740	40620	54120	27.06
9/30/2010 9:03	23195	I576	104480	39320	65160	32.58
9/30/2010 9:10	23197	M69T	103900	41480	62420	31.21
9/30/2010 9:19	23200	J304	116200	42240	73960	36.98
9/30/2010 8:47	23190	I536	97060	37560	59500	29.75
9/30/2010 9:30	23201	I174	107420	38900	68520	34.26
9/30/2010 9:36	23203	BW95	99120	45960	53160	26.58
9/30/2010 9:40	23204	D17T	91880	37720	54160	27.08
9/30/2010 9:56	23210	BW16	109740	38940	70800	35.40
9/30/2010 10:04	23213	DT302	103940	40620	63320	31.66
9/30/2010 10:07	23214	BW01	113980	43360	70620	35.31
9/30/2010 10:11	23216	R731	102860	39780	63080	31.54
9/30/2010 10:15	23217	BW8	105680	39180	66500	33.25
9/30/2010 10:23	23219	I176	102860	38660	64200	32.10
9/30/2010 10:27	23220	I536	101460	37560	63900	31.95
9/30/2010 10:31	23222	SS22	92660	36340	56320	28.16
9/30/2010 10:39	23226	I576	99260	39320	59940	29.97
9/30/2010 10:42	23227	M69T	101180	41480	59700	29.85
9/30/2010 10:55	23232	J304	102780	42240	60540	30.27
9/30/2010 11:00	23234	BW95	95340	45960	49380	24.69

9/30/2010 11:03	23235	D17T	94420	37720	56700	28.35
9/30/2010 11:22	23239	BW16	102680	38940	63740	31.87
9/30/2010 11:28	23241	DT302	95060	40620	54440	27.22
9/30/2010 11:45	23242	BW01	105060	43360	61700	30.85
9/30/2010 11:52	23246	R731	105120	39780	65340	32.67
9/30/2010 11:54	23247	BW8	109500	39180	70320	35.16
9/30/2010 11:56	23248	I176	99460	38660	60800	30.40
9/30/2010 11:59	23249	I536	94760	37560	57200	28.60
9/30/2010 12:01	23250	SS22	102040	36340	65700	32.85
9/30/2010 12:17	23251	I576	97420	39320	58100	29.05
9/30/2010 12:18	23252	M69T	101820	41480	60340	30.17
9/30/2010 13:01	23260	D17T	98120	37720	60400	30.20
9/30/2010 13:02	23261	BW95	99460	45960	53500	26.75
9/30/2010 13:05	23262	J304	106280	42240	64040	32.02
9/30/2010 13:12	23263	DT302	102020	40620	61400	30.70
9/30/2010 13:19	23265	BW01	103820	43360	60460	30.23
9/30/2010 13:46	23266	R731	104360	39780	64580	32.29
9/30/2010 13:49	23268	BW8	101040	39180	61860	30.93
9/30/2010 13:51	23269	I176	97640	38660	58980	29.49
9/30/2010 13:54	23270	I536	85060	37560	47500	23.75
9/30/2010 13:55	23271	SS22	94520	36340	58180	29.09
9/30/2010 13:57	23272	M69T	108340	41480	66860	33.43
9/30/2010 14:00	23273	I576	96960	39320	57640	28.82
9/30/2010 14:21	23275	D17T	100000	37720	62280	31.14
9/30/2010 14:43	23280	BW95	99000	45960	53040	26.52
9/30/2010 15:07	23283	J304	106680	42240	64440	32.22
9/30/2010 15:09	23284	DT302	104200	40620	63580	31.79
9/30/2010 15:13	23285	R731	104320	39780	64540	32.27

61 Loads **1890.87**

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 10/1/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
10/1/2010 7:34	23305	SS22	98820	36340	62480	31.24
10/1/2010 7:40	23306	J304	96440	42240	54200	27.10
10/1/2010 7:55	23310	R731	89540	39780	49760	24.88
10/1/2010 7:57	23311	R716	95800	39780	56020	28.01
10/1/2010 9:00	23317	SS22	96780	36340	60440	30.22
10/1/2010 9:07	23318	J304	100480	42240	58240	29.12
10/1/2010 9:25	23321	R731	102840	39780	63060	31.53
10/1/2010 10:08	23328	SS22	93980	36340	57640	28.82
10/1/2010 10:19	23330	J304	112560	42240	70320	35.16
10/1/2010 10:53	23335	R731	103300	39780	63520	31.76
10/1/2010 11:23	23336	SS22	95000	36340	58660	29.33
10/1/2010 11:40	23340	J304	110340	42240	68100	34.05
10/1/2010 12:42	23346	SS22	101200	36340	64860	32.43

13 Loads **393.65**

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 10/5/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
10/5/2010 7:56	23408	C44	90600	40520	50080	25.04
10/5/2010 8:01	23409	SS22	87580	36340	51240	25.62
10/5/2010 8:10	23411	C43	97560	40300	57260	28.63
10/5/2010 9:11	23414	C44	95180	40520	54660	27.33
10/5/2010 9:17	23416	SS22	99540	36340	63200	31.60
10/5/2010 9:22	23417	C43	104720	40300	64420	32.21
10/5/2010 10:17	23423	C44	103960	40520	63440	31.72
10/5/2010 10:29	23424	SS22	91100	36340	54760	27.38
10/5/2010 10:33	23426	C43	99880	40300	59580	29.79
10/5/2010 11:36	23441	SS22	103680	36340	67340	33.67
10/5/2010 11:47	23444	C43	107020	40300	66720	33.36
10/5/2010 12:51	23448	SS22	100260	36340	63920	31.96
10/5/2010 13:33	23452	I538	104240	40140	64100	32.05
10/5/2010 14:04	23456	SS22	103600	36340	67260	33.63
10/5/2010 14:12	23457	C44	102960	40520	62440	31.22
10/5/2010 14:52	23461	I538	114900	40140	74760	37.38
10/5/2010 15:15	23463	SS22	104640	36340	68300	34.15

17 Loads **526.74**

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 10/6/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
10/6/2010 7:29	23468	SS22	100900	36340	64560	32.28
10/6/2010 7:35	23469	I176	98960	38660	60300	30.15
10/6/2010 7:42	23470	C43	107620	40300	67320	33.66
10/6/2010 7:54	23472	BW01	94320	43360	50960	25.48
10/6/2010 8:03	23473	R731	114420	39780	74640	37.32
10/6/2010 8:43	23478	SS22	101840	36340	65500	32.75
10/6/2010 8:57	23482	I176	96220	38660	57560	28.78
10/6/2010 9:01	23484	C43	102300	40300	62000	31.00
10/6/2010 9:05	23485	I568T	102260	39100	63160	31.58
10/6/2010 9:14	23486	BW01	100520	43360	57160	28.58
10/6/2010 9:16	23487	R731	98000	39780	58220	29.11
10/6/2010 9:36	23489	I570T	95300	39380	55920	27.96
10/6/2010 9:55	23491	SS22	95100	36340	58760	29.38
10/6/2010 10:09	23495	I176	97280	38660	58620	29.31
10/6/2010 10:21	23498	C43	106640	40300	66340	33.17
10/6/2010 10:29	23501	I568T	94700	39100	55600	27.80
10/6/2010 11:09	23512	BW01	106720	43360	63360	31.68
10/6/2010 11:16	23514	R731	106260	39780	66480	33.24
10/6/2010 11:40	23519	I570T	91680	39380	52300	26.15
10/6/2010 12:54	23529	BW01	106260	43360	62900	31.45
10/6/2010 12:56	23530	R731	114760	39780	74980	37.49
10/6/2010 13:10	23534	I176	102860	38660	64200	32.10
10/6/2010 13:16	23535	I570T	96620	39380	57240	28.62
10/6/2010 13:31	23541	I568T	95500	39100	56400	28.20
10/6/2010 13:36	23543	I174	97180	38900	58280	29.14
10/6/2010 13:38	23544	C43	102960	40300	62660	31.33
10/6/2010 13:56	23551	C44	106500	40520	65980	32.99
10/6/2010 14:17	23557	R731	114920	39780	75140	37.57
10/6/2010 14:19	23558	BW01	102260	43360	58900	29.45
10/6/2010 14:38	23563	I176	105040	38660	66380	33.19
10/6/2010 14:40	23564	I570T	103520	39380	64140	32.07
10/6/2010 14:52	23566	I568T	98060	39100	58960	29.48
10/6/2010 14:55	23567	I174	112340	38900	73440	36.72

10/6/2010 15:02	23570	C43	110600	40300	70300	35.15

34 Loads **1064.33**

WASTE MANAGEMENT

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 10/7/10 (Revised 10/14/10)

Time In	Ticket No.	Revised Ticket #	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)	
10/7/2010 7:34	23578		SS22	95580	36340	59240	29.62	
10/7/2010 7:36	23579		C43	103500	40300	63200	31.60	
10/7/2010 7:38	23580		C44	107520	40520	67000	33.50	
10/7/2010 7:56	23581		R22	94080	35940	58140	29.07	
10/7/2010 7:59	23582		R30	101300	39360	61940	30.97	
10/7/2010 8:10	23584		R731	114580	39780	74800	37.40	
10/7/2010 8:15	23585 (voided)	23978	BW95	103460	37880	65580	32.79	TARE WAS 45960
10/7/2010 9:04	23588		SS22	100740	36340	64400	32.20	
10/7/2010 9:06	23589		C43	104040	40300	63740	31.87	
10/7/2010 9:18	23591		C44	108000	40520	67480	33.74	
10/7/2010 9:21	23592		BW01	115960	43360	72600	36.30	
10/7/2010 9:24	23593		R22	85580	35940	49640	24.82	
10/7/2010 9:27	23594		R30	99500	39360	60140	30.07	
10/7/2010 9:34	23596 (voided)	23979	BW95	100140	37880	62260	31.13	TARE WAS 45960
10/7/2010 9:37	23597		R731	102280	39780	62500	31.25	
10/7/2010 10:22	23601		SS22	89600	36340	53260	26.63	
10/7/2010 10:24	23602		C43	98900	40300	58600	29.30	

10/7/2010 10:34	23605		C44	103780	40520	63260	31.63	
10/7/2010 10:42	23607		BW01	102760	43360	59400	29.70	
10/7/2010 10:44	23608		R22	87460	35940	51520	25.76	
10/7/2010 10:57	23610 (voided)	23980	BW95	100960	37880	63080	31.54	TARE WAS 45960
10/7/2010 10:58	23611		R731	109040	39780	69260	34.63	
10/7/2010 11:31	23613		R30	109080	39360	69720	34.86	
10/7/2010 11:40	23616		SS22	91060	36340	54720	27.36	
10/7/2010 11:51	23617		C43	101380	40300	61080	30.54	
10/7/2010 12:00	23619		C44	109380	40520	68860	34.43	
10/7/2010 12:12	23621		BW01	106400	43360	63040	31.52	
10/7/2010 12:16	23622		R22	97340	35940	61400	30.70	
10/7/2010 12:24	23623 (voided)	23981	BW95	100820	37880	62940	31.47	TARE WAS 45960
10/7/2010 12:38	23625		R731	118620	39780	78840	39.42	
10/7/2010 12:42	23626		R30	113900	39360	74540	37.27	
10/7/2010 13:10	23627		SS22	104220	36340	67880	33.94	
10/7/2010 13:29	23630		C43	104560	40300	64260	32.13	
10/7/2010 13:45	23633		C44	93520	40520	53000	26.50	
10/7/2010 13:58	23638		R22	91060	35940	55120	27.56	
10/7/2010 14:00	23639		BW01	103360	43360	60000	30.00	
10/7/2010 14:04	23640 (voided)	23982	BW95	100060	37880	62180	31.09	TARE WAS 45960
10/7/2010 14:09	23641		R731	111160	39780	71380	35.69	
10/7/2010 14:16	23644		R30	107240	39360	67880	33.94	
10/7/2010 14:26	23646		SS22	103160	36340	66820	33.41	
10/7/2010 14:37	23649		C43	107320	40300	67020	33.51	
41 Loads							**1300.86**	

Bobby Wolford truck BW95 tare weight was incorrect.
Original tare entered into system on 8/27/10 @ start of job.

WASTE MANAGEMENT

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 10/8/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
10/8/2010 8:08	23656	C43	106800	40300	66500	33.25
10/8/2010 9:38	23663	C43	118720	40300	78420	39.21

2 Loads **72.46**

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 10/13/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
10/13/2010 7:09	23786	SS22	97360	36340	61020	30.51
10/13/2010 7:14	23787	C44	109620	40520	69100	34.55
10/13/2010 7:29	23789	C43	106040	40300	65740	32.87
10/13/2010 8:04	23790	CT419	105760	41000	64760	32.38
10/13/2010 8:13	23792	CT421	94620	42880	51740	25.87
10/13/2010 8:24	23794	CT420	101480	39020	62460	31.23
10/13/2010 8:27	23824	BW16	101440	38940	62500	31.25
10/13/2010 8:35	23797	CT402	108040	41120	66920	33.46
10/13/2010 8:39	23798	CT423	106380	41500	64880	32.44
10/13/2010 8:44	23799	CT400	103120	41640	61480	30.74
10/13/2010 9:04	23804	SS22	97040	36340	60700	30.35
10/13/2010 9:06	23805	C44	113420	40520	72900	36.45
10/13/2010 9:13	23806	CT411	103420	42680	60740	30.37
10/13/2010 9:34	23812	C43	105680	40300	65380	32.69
10/13/2010 10:02	23817	CT419	110100	41000	69100	34.55
10/13/2010 10:16	23822	CT421	111060	42880	68180	34.09
10/13/2010 10:18	23823	BW16	115940	38940	77000	38.50
10/13/2010 10:26	23825	CT420	101560	39020	62540	31.27
10/13/2010 10:34	23828	CT402	110180	41120	69060	34.53
10/13/2010 10:40	23830	CT423	109900	41500	68400	34.20
10/13/2010 10:43	23831	CT400	111180	41640	69540	34.77
10/13/2010 11:01	23837	C43	106480	40300	66180	33.09
10/13/2010 11:16	23840	CT419	114920	41000	73920	36.96
10/13/2010 11:38	23842	CT421	108780	42880	65900	32.95
10/13/2010 11:47	23846	BW16	101740	38940	62800	31.40
10/13/2010 12:02	23848	CT402	103300	41120	62180	31.09
10/13/2010 12:11	23850	CT423	102800	41500	61300	30.65
10/13/2010 12:13	23851	CT400	107320	41640	65680	32.84
10/13/2010 12:32	23852	C43	113420	40300	73120	36.56
10/13/2010 12:48	23855	CT419	112460	41000	71460	35.73
10/13/2010 13:15	23863	CT421	98540	42880	55660	27.83
10/13/2010 13:28	23866	BW16	103940	38940	65000	32.50
10/13/2010 13:32	23867	CT402	100020	41120	58900	29.45

10/13/2010 13:47	23871	CT423	105780	41500	64280	32.14
10/13/2010 13:49	23872	CT400	100080	41640	58440	29.22
10/13/2010 13:59	23876	C43	109280	40300	68980	34.49
10/13/2010 14:07	23879	CT419	111260	41000	70260	35.13
10/13/2010 14:32	23889	CT421	104080	42880	61200	30.60
10/13/2010 14:44	23894	BW16	100300	38940	61360	30.68
10/13/2010 14:52	23896	CT402	102700	41120	61580	30.79
10/13/2010 15:05	23899	CT423	103100	41500	61600	30.80
10/13/2010 15:07	23900	CT400	103760	41640	62120	31.06
10/13/2010 15:12	23901	C43	111500	40300	71200	35.60

43 Loads **1398.63**

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 10/14/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
10/14/2010 7:22	23907	SS22	98160	36340	61820	30.91
10/14/2010 7:44	23908	R24	104800	38780	66020	33.01
10/14/2010 7:46	23909	R22	96720	35940	60780	30.39
10/14/2010 8:12	23945	BW95	104820	37880	66940	33.47
10/14/2010 8:19	23911	CT381	99680	41240	58440	29.22
10/14/2010 8:24	23912	CT419	94140	41000	53140	26.57
10/14/2010 8:53	23920	CT420	100500	39020	61480	30.74
10/14/2010 9:00	23922	CT384	102640	42220	60420	30.21
10/14/2010 9:06	23924	CT400	104400	41640	62760	31.38
10/14/2010 9:09	23925	CT423	107160	41500	65660	32.83
10/14/2010 9:28	23930	CT403	106600	41340	65260	32.63
10/14/2010 9:31	23931	R24	116580	38780	77800	38.90
10/14/2010 9:38	23933	R22	98800	35940	62860	31.43
10/14/2010 9:40	23934	CT378	103540	41560	61980	30.99
10/14/2010 9:45	23936	CT381	104820	41240	63580	31.79
10/14/2010 9:51	23939	CT419	110960	41000	69960	34.98
10/14/2010 9:59	23941	CT421	103520	42880	60640	30.32
10/14/2010 10:04	23943	CT420	113020	39020	74000	37.00
10/14/2010 10:13	23944	CT384	106380	42220	64160	32.08
10/14/2010 9:43	23946	BW95	99260	37880	61380	30.69
10/14/2010 10:31	23948	CT400	110980	41640	69340	34.67
10/14/2010 10:35	23949	CT423	111740	41500	70240	35.12
10/14/2010 10:48	23954	CT403	110640	41340	69300	34.65
10/14/2010 10:51	23955	R24	118280	38780	79500	39.75
10/14/2010 10:57	23958	R22	102660	35940	66720	33.36
10/14/2010 11:05	23961	CT378	108520	41560	66960	33.48
10/14/2010 11:22	23966	CT381	106960	41240	65720	32.86
10/14/2010 11:24	23967	BW95	102160	37880	64280	32.14
10/14/2010 11:34	23970	CT419	106600	41000	65600	32.80
10/14/2010 11:41	23972	CT421	100820	42880	57940	28.97
10/14/2010 11:47	23973	CT420	102460	39020	63440	31.72
10/14/2010 11:48	23974	CT384	105600	42220	63380	31.69
10/14/2010 11:56	23975	CT400	107220	41640	65580	32.79

10/14/2010 11:59	23976	CT423	108000	41500	66500	33.25
10/14/2010 12:11	23983	CT403	102000	41340	60660	30.33
10/14/2010 12:16	23984	R24	112840	38780	74060	37.03
10/14/2010 12:27	23986	R22	97940	35940	62000	31.00
10/14/2010 12:41	23987	CT378	104760	41560	63200	31.60
10/14/2010 12:43	23988	CT381	107680	41240	66440	33.22
10/14/2010 12:59	23992	BW95	95260	37880	57380	28.69
10/14/2010 13:09	23996	CT419	102400	41000	61400	30.70
10/14/2010 13:11	23997	CT420	99260	39020	60240	30.12
10/14/2010 13:13	23998	CT384	102860	42220	60640	30.32
10/14/2010 13:16	23999	CT421	106740	42880	63860	31.93
10/14/2010 13:20	24001	CT400	103920	41640	62280	31.14
10/14/2010 13:24	24002	CT423	108200	41500	66700	33.35
10/14/2010 13:26	24003	CT403	101680	41340	60340	30.17
10/14/2010 13:34	24006	R24	117360	38780	78580	39.29
10/14/2010 13:46	24008	R22	96520	35940	60580	30.29
10/14/2010 13:49	24009	CT378	106720	41560	65160	32.58
10/14/2010 13:54	24010	CT381	100120	41240	58880	29.44
10/14/2010 14:12	24013	BW95	102500	37880	64620	32.31
10/14/2010 14:19	24014	CT420	103860	39020	64840	32.42
10/14/2010 14:21	24016	CT419	110640	41000	69640	34.82
10/14/2010 14:27	24017	CT384	105280	42220	63060	31.53
10/14/2010 14:32	24018	CT421	103500	42880	60620	30.31
10/14/2010 14:37	24019	CT400	105560	41640	63920	31.96
10/14/2010 14:46	24022	CT423	110980	41500	69480	34.74
10/14/2010 14:49	24023	CT403	106060	41340	64720	32.36
10/14/2010 15:01	24025	R24	106440	38780	67660	33.83
10/14/2010 15:05	24026	R22	94900	35940	58960	29.48
10/14/2010 15:09	24028	CT378	99080	41560	57520	28.76
10/14/2010 15:11	24029	CT381	95200	41240	53960	26.98

63 Loads **2027.49**

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 10/15/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
10/15/2010 7:40	24038	I172	88940	38440	50500	25.25
10/15/2010 7:44	24039	R24	101620	38780	62840	31.42
10/15/2010 7:47	24040	R22	87280	35940	51340	25.67
10/15/2010 7:51	24041	CT419	94320	41000	53320	26.66
10/15/2010 7:59	24042	CT421	112220	42880	69340	34.67
10/15/2010 8:01	24043	BW95	102980	37880	65100	32.55
10/15/2010 8:06	24044	CT402	104060	41120	62940	31.47
10/15/2010 8:26	24047	CT411	100420	42680	57740	28.87
10/15/2010 8:30	24048	CT423	96920	41500	55420	27.71
10/15/2010 8:20	24046	CT404	100780	41420	59360	29.68
10/15/2010 8:50	24050	I570T	91600	39380	52220	26.11
10/15/2010 9:06	24054	R24	105400	38780	66620	33.31
10/15/2010 9:10	24055	CT419	103000	41000	62000	31.00
10/15/2010 9:20	24058	CT421	106420	42880	63540	31.77
10/15/2010 9:27	24061	BW95	95080	37880	57200	28.60
10/15/2010 9:34	24063	CT402	100920	41120	59800	29.90
10/15/2010 10:26	24073	R22	91880	35940	55940	27.97
10/15/2010 10:34	24075	CT404	101680	41420	60260	30.13
10/15/2010 10:36	24076	CT411	95960	42680	53280	26.64
10/15/2010 10:44	24079	CT423	99280	41500	57780	28.89
10/15/2010 10:56	24082	I570T	96840	39380	57460	28.73
10/15/2010 10:59	24083	I172	98620	38440	60180	30.09
10/15/2010 11:12	24087	CT419	109360	41000	68360	34.18
10/15/2010 11:18	24088	CT421	101420	42880	58540	29.27
10/15/2010 11:31	24090	BW95	95400	37880	57520	28.76
10/15/2010 11:51	24093	CT402	101080	41120	59960	29.98

26 Loads **769.28**

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 10/18/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
10/18/2010 7:57	24124	CT381	98860	41240	57620	28.81
10/18/2010 8:11	24125	CT383	96680	40800	55880	27.94
10/18/2010 8:16	24126	CT386	100000	40880	59120	29.56
10/18/2010 9:08	24134	CT381	101500	41240	60260	30.13
10/18/2010 9:29	24140	CT383	99540	40800	58740	29.37
10/18/2010 9:40	24143	CT386	90720	40880	49840	24.92
10/18/2010 10:21	24148	CT381	98940	41240	57700	28.85
10/18/2010 10:53	24153	CT383	103400	40800	62600	31.30
10/18/2010 10:58	24154	CT386	103360	40880	62480	31.24
10/18/2010 12:08	24162	CT386	107560	40880	66680	33.34
10/18/2010 13:26	24166	CT386	108240	40880	67360	33.68

11 Loads **329.14**

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 10/27/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
10/27/2010 8:35	24328	C43S	73280	28160	45120	22.56
10/27/2010 9:42	24330	SS22S	62400	24060	38340	19.17
10/27/2010 10:00	24333	C43S	67540	28160	39380	19.69
10/27/2010 10:57	24336	SS22S	59240	24060	35180	17.59
10/27/2010 11:17	24337	C43S	69160	28160	41000	20.50
10/27/2010 12:28	24339	SS22S	60120	24060	36060	18.03
10/27/2010 12:33	24340	C43S	67900	28160	39740	19.87
10/27/2010 13:36	24342	SS22S	56060	24060	32000	16.00
10/27/2010 13:45	24343	C43S	71620	28160	43460	21.73
10/27/2010 14:41	24346	SS22S	59040	24060	34980	17.49
10/27/2010 14:52	24347	C43S	66280	28160	38120	19.06

11 Loads **211.69**

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 10/28/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
10/28/2010 7:44	24348	C43S	69540	28160	41380	20.69
10/28/2010 8:09	24349	I590	57980	27000	30980	15.49
10/28/2010 8:17	24350	I534	58020	26920	31100	15.55
10/28/2010 9:07	24357	C43S	72980	28160	44820	22.41
10/28/2010 9:37	24367	I590	62900	27000	35900	17.95
10/28/2010 9:59	24372	I534S	60400	26920	33480	16.74
10/28/2010 10:31	24377	C43S	69240	28160	41080	20.54
10/28/2010 11:02	24380	I590	61400	27000	34400	17.20
10/28/2010 11:16	24383	I534S	53640	26920	26720	13.36
10/28/2010 11:54	24390	C43S	61680	28160	33520	16.76
10/28/2010 12:14	24393	I590	54000	27000	27000	13.50
10/28/2010 12:33	24396	I534S	61400	26920	34480	17.24
10/28/2010 13:06	24404	C43S	65540	28160	37380	18.69
10/28/2010 13:25	24405	I590	53520	27000	26520	13.26
10/28/2010 13:41	24408	I534S	59160	26920	32240	16.12
10/28/2010 14:30	24415	C43S	60920	28160	32760	16.38
10/28/2010 14:36	24416	I590	56940	27000	29940	14.97
10/28/2010 14:50	24417	I534S	61440	26920	34520	17.26

18 Loads **304.11**

WASTE MANAGEMENT

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 10/28/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
10/29/2010 8:03	24474	C43S	65420	28160	37260	18.63
10/29/2010 8:18	24475	SS22S	56520	24060	32460	16.23
10/29/2010 8:26	24476	C44S	65360	27900	37460	18.73
10/29/2010 9:24	24477	C43S	53860	28160	25700	12.85
10/29/2010 9:32	24479	SS22S	54120	24060	30060	15.03
10/29/2010 9:57	24481	C44S	63580	27900	35680	17.84
10/29/2010 10:39	24482	C43S	63480	28160	35320	17.66
10/29/2010 10:57	24484	SS22S	58260	24060	34200	17.10
10/29/2010 11:23	24485	C44S	65360	27900	37460	18.73
10/29/2010 11:46	24486	C43S	65500	28160	37340	18.67
10/29/2010 12:05	24488	SS22S	56440	24060	32380	16.19
10/29/2010 12:30	24491	C44S	71300	27900	43400	21.70
10/29/2010 12:59	24492	C43S	67960	28160	39800	19.90
10/29/2010 13:23	24494	SS22S	57940	24060	33880	16.94
10/29/2010 13:43	24504	C44S	64480	27900	36580	18.29
10/29/2010 14:13	24509	C43S	65060	28160	36900	18.45
10/29/2010 14:36	24510	SS22S	57220	24060	33160	16.58
10/29/2010 15:02	24517	C44S	63980	27900	36080	18.04

18 Loads **317.56**

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 11/1/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
11/1/2010 7:59	24524	C44S	56300	27900	28400	14.20
11/1/2010 8:09	24525	C43S	60960	28160	32800	16.40
11/1/2010 8:18	24526	SS22S	53860	24060	29800	14.90

3 Loads **45.50**

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 11/3/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
11/03/10 08:18:23 AM	24586	SS22S	53380	24060	29320	14.66
11/03/10 08:38:12 AM	24589	C44S	65540	27900	37640	18.82
11/03/10 09:34:12 AM	24590	SS22S	53660	24060	29600	14.80
11/03/10 09:47:17 AM	24591	C44S	60120	27900	32220	16.11
11/03/10 10:50:35 AM	24595	SS22S	53620	24060	29560	14.78
11/03/10 10:57:54 AM	24596	C44S	61180	27900	33280	16.64
11/03/10 11:57:00 AM	24601	SS22S	52440	24060	28380	14.19
11/03/10 12:09:36 PM	24602	C44S	60500	27900	32600	16.30
11/03/10 01:05:24 PM	24606	SS22S	50020	24060	25960	12.98
11/03/10 01:11:14 PM	24607	C44S	59320	27900	31420	15.71
11/03/10 02:18:31 PM	24612	SS22S	57600	24060	33540	16.77
11/03/10 02:21:35 PM	24613	C44S	63860	27900	35960	17.98
11/03/10 02:42:02 PM	24616	I160S	51260	24280	26980	13.49
11/03/10 02:58:09 PM	24619	I196S	72820	25860	46960	23.48

14 Loads **226.71**

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 11/15/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
11/15/2010 9:31	24858	C43S	66520	28160	38360	19.18

1 Load **19.18**

AK Street Reload Facility
70 South Alaska Street
Seattle, WA 98134
Phone: 206-763-5025

Customer Name: CLEAR CREEK CONTRACTORS
Genetaor Name: Earle M. Jorgensen Company
Profile# 105131WA
Load Summary for 11/16/10

Time In	Ticket No.	Vehicle ID	Gross (lb)	Tare (lb)	Net (lb)	Net (ton)
11/16/2010 8:53	24875	C44S	65060	27900	37160	18.58
11/16/2010 9:05	24876	C43S	65620	28160	37460	18.73

2 Loads **37.31**

Activity By Job ID

Report period August 2010

REGIONAL DISPOSAL INTERMODAL

Job ID: **LW-10343** **14,755 CLEARCREEK CONTRACTORS**

Date	Ticket #	truck	Container		Material Code/Desc	Gross	Tare	Net	Tons	Origin
8/31/10	2:15 am 342,681	SOIL		74	SW-CONT SOIL	96,180	35,760	60,420	30.21	KENT/KING
8/31/10	2:17 am 342,682	SOIL		74	SW-CONT SOIL	106,160	38,620	67,540	33.77	KENT/KING
8/31/10	2:18 am 342,683	SOIL		74	SW-CONT SOIL	107,120	39,860	67,260	33.63	KENT/KING
8/31/10	2:19 am 342,684	SOIL		74	SW-CONT SOIL	92,260	44,080	48,180	24.09	KENT/KING
8/31/10	2:20 am 342,685	SOIL		74	SW-CONT SOIL	93,440	38,560	54,880	27.44	KENT/KING
8/31/10	2:21 am 342,686	SOIL		74	SW-CONT SOIL	95,700	36,500	59,200	29.60	KENT/KING
8/31/10	2:22 am 342,687	SOIL		74	SW-CONT SOIL	100,980	38,840	62,140	31.07	KENT/KING
8/31/10	2:25 am 342,689	SOIL		74	SW-CONT SOIL	115,240	38,980	76,260	38.13	KENT/KING
8/31/10	2:26 am 342,690	SOIL		74	SW-CONT SOIL	88,460	35,820	52,640	26.32	KENT/KING
8/31/10	2:27 am 342,691	SOIL		74	SW-CONT SOIL	100,200	37,960	62,240	31.12	KENT/KING
8/31/10	2:28 am 342,692	SOIL		74	SW-CONT SOIL	99,300	38,880	60,420	30.21	KENT/KING
8/31/10	2:30 am 342,693	SOIL		74	SW-CONT SOIL	106,320	38,920	67,400	33.70	KENT/KING
8/31/10	2:31 am 342,694	SOIL		74	SW-CONT SOIL	109,280	39,000	70,280	35.14	KENT/KING
8/31/10	2:32 am 342,695	SOIL		74	SW-CONT SOIL	110,720	39,080	71,640	35.82	KENT/KING
8/31/10	2:33 am 342,696	SOIL		74	SW-CONT SOIL	106,760	39,940	66,820	33.41	KENT/KING
8/31/10	2:34 am 342,697	SOIL		74	SW-CONT SOIL	110,780	44,200	66,580	33.29	KENT/KING
8/31/10	2:35 am 342,698	SOIL		74	SW-CONT SOIL	103,300	38,820	64,480	32.24	KENT/KING
8/31/10	2:36 am 342,699	SOIL		74	SW-CONT SOIL	102,860	38,820	64,040	32.02	KENT/KING
8/31/10	2:37 am 342,700	SOIL		74	SW-CONT SOIL	109,280	39,420	69,860	34.93	KENT/KING
8/31/10	2:38 am 342,701	SOIL		74	SW-CONT SOIL	112,560	38,360	74,200	37.10	KENT/KING
8/31/10	2:39 am 342,702	SOIL		74	SW-CONT SOIL	101,340	37,780	63,560	31.78	KENT/KING
8/31/10	2:40 am 342,703	SOIL		74	SW-CONT SOIL	94,430	36,260	58,170	29.09	KENT/KING
8/31/10	2:41 am 342,704	SOIL		74	SW-CONT SOIL	104,860	38,420	66,440	33.22	KENT/KING
8/31/10	2:42 am 342,705	SOIL		74	SW-CONT SOIL	90,980	30,400	60,580	30.29	KENT/KING
8/31/10	2:44 am 342,706	SOIL		74	SW-CONT SOIL	109,060	39,700	69,360	34.68	KENT/KING
8/31/10	2:45 am 342,707	SOIL		74	SW-CONT SOIL	103,260	38,620	64,640	32.32	KENT/KING
8/31/10	2:45 am 342,708	SOIL		74	SW-CONT SOIL	111,540	38,640	72,900	36.45	KENT/KING

Activity By Job ID

Report period August 2010

REGIONAL DISPOSAL INTERMODAL

8/31/10	2:46 am	342,709	SOIL	74	SW-CONT SOIL	100,400	43,74056,660	28.33	KENT/KING
8/31/10	2:48 am	342,710	SOIL	74	SW-CONT SOIL	102,940	38,54064,400	32.20	KENT/KING
8/31/10	2:48 am	342,711	SOIL	74	SW-CONT SOIL	103,420	38,66064,760	32.38	KENT/KING
8/31/10	2:58 am	342,712	SOIL	74	SW-CONT SOIL	96,560	40,12056,440	28.22	KENT/KING
8/31/10	2:59 am	342,713	SOIL	74	SW-CONT SOIL	109,960	39,00070,960	35.48	KENT/KING
8/31/10	3:00 am	342,714	SOIL	74	SW-CONT SOIL	116,220	39,74076,480	38.24	KENT/KING
8/31/10	3:01 am	342,715	SOIL	74	SW-CONT SOIL	96,900	39,10057,800	28.90	KENT/KING
8/31/10	3:02 am	342,716	SOIL	74	SW-CONT SOIL	103,780	38,02065,760	32.88	KENT/KING
8/31/10	3:03 am	342,717	SOIL	74	SW-CONT SOIL	107,860	43,90063,960	31.98	KENT/KING
8/31/10	3:05 am	342,719	SOIL	74	SW-CONT SOIL	98,440	36,44062,000	31.00	KENT/KING
8/31/10	3:06 am	342,720	SOIL	74	SW-CONT SOIL	106,860	38,68068,180	34.09	KENT/KING
8/31/10	3:08 am	342,722	SOIL	74	SW-CONT SOIL	108,980	39,04069,940	34.97	KENT/KING
8/31/10	3:10 am	342,723	SOIL	74	SW-CONT SOIL	100,740	35,64065,100	32.55	KENT/KING
8/31/10	3:11 am	342,724	SOIL	74	SW-CONT SOIL	108,600	38,94069,660	34.83	KENT/KING
8/31/10	3:12 am	342,725	SOIL	74	SW-CONT SOIL	109,540	40,06069,480	34.74	KENT/KING
8/31/10	3:13 am	342,726	SOIL	74	SW-CONT SOIL	108,720	38,70070,020	35.01	KENT/KING
8/31/10	3:14 am	342,727	SOIL	74	SW-CONT SOIL	111,900	44,32067,580	33.79	KENT/KING
8/31/10	3:15 am	342,728	SOIL	74	SW-CONT SOIL	101,860	38,08063,780	31.89	KENT/KING
8/31/10	3:16 am	342,729	SOIL	74	SW-CONT SOIL	103,900	38,84065,060	32.53	KENT/KING
8/31/10	3:18 am	342,731	SOIL	74	SW-CONT SOIL	106,120	38,68067,440	33.72	KENT/KING
8/31/10	3:19 am	342,732	SOIL	74	SW-CONT SOIL	103,880	38,96064,920	32.46	KENT/KING
8/31/10	3:20 am	342,733	SOIL	74	SW-CONT SOIL	103,540	39,48064,060	32.03	KENT/KING
8/31/10	3:21 am	342,734	SOIL	74	SW-CONT SOIL	104,760	38,50066,260	33.13	KENT/KING
8/31/10	3:22 am	342,735	SOIL	74	SW-CONT SOIL	100,260	35,46064,800	32.40	KENT/KING
8/31/10	3:23 am	342,736	SOIL	74	SW-CONT SOIL	105,460	38,82066,640	33.32	KENT/KING
8/31/10	3:24 am	342,737	SOIL	74	SW-CONT SOIL	98,720	36,32062,400	31.20	KENT/KING
8/31/10	3:25 am	342,738	SOIL	74	SW-CONT SOIL	104,720	38,42066,300	33.15	KENT/KING
8/31/10	3:26 am	342,739	SOIL	74	SW-CONT SOIL	111,260	38,88072,380	36.19	KENT/KING
8/31/10	3:27 am	342,740	SOIL	74	SW-CONT SOIL	102,700	38,36064,340	32.17	KENT/KING

Activity By Job ID

Report period August 2010

REGIONAL DISPOSAL INTERMODAL

8/31/10	3:28 am	342,741	SOIL	74	SW-CONT SOIL	104,200	38,50065,700	32.85	KENT/KING
8/31/10	3:29 am	342,742	SOIL	74	SW-CONT SOIL	100,760	43,66057,100	28.55	KENT/KING
8/31/10	3:30 am	342,743	SOIL	74	SW-CONT SOIL	105,680	37,92067,760	33.88	KENT/KING
8/31/10	3:31 am	342,744	SOIL	74	SW-CONT SOIL	105,940	36,50069,440	34.72	KENT/KING
8/31/10	3:32 am	342,745	SOIL	74	SW-CONT SOIL	116,020	38,76077,260	38.63	KENT/KING
8/31/10	4:34 am	342,750	SOIL	74	SW-CONT SOIL	98,260	38,98059,280	29.64	KENT/KING
8/31/10	7:40 am	342,812	SOIL	74	SW-CONT SOIL	99,980	39,94060,040	30.02	KENT/KING
8/31/10	8:05 am	342,821	SOIL	74	SW-CONT SOIL	99,700	39,22060,480	30.24	KENT/KING
8/31/10	8:14 am	342,824	SOIL	74	SW-CONT SOIL	113,280	42,96070,320	35.16	KENT/KING
8/31/10	8:34 am	342,828	SOIL	74	SW-CONT SOIL	110,720	37,92072,800	36.40	KENT/KING
8/31/10	8:39 am	342,831	SOIL	74	SW-CONT SOIL	109,080	40,10068,980	34.49	KENT/KING
8/31/10	8:42 am	342,834	SOIL	74	SW-CONT SOIL	106,660	39,30067,360	33.68	KENT/KING
8/31/10	9:13 am	342,848	SOIL	74	SW-CONT SOIL	102,480	36,64065,840	32.92	KENT/KING
8/31/10	9:14 am	342,850	SOIL	74	SW-CONT SOIL	111,360	38,86072,500	36.25	KENT/KING
8/31/10	9:58 am	342,880	SOIL	74	SW-CONT SOIL	102,060	39,28062,780	31.39	KENT/KING
8/31/10	10:02 an	342,889	SOIL	74	SW-CONT SOIL	98,900	37,98060,920	30.46	KENT/KING
8/31/10	10:04 an	342,895	SOIL	74	SW-CONT SOIL	106,880	40,00066,880	33.44	KENT/KING
8/31/10	10:21 an	342,911	SOIL	74	SW-CONT SOIL	106,900	40,36066,540	33.27	KENT/KING
8/31/10	10:48 an	342,928	SOIL	74	SW-CONT SOIL	110,880	38,58072,300	36.15	KENT/KING
8/31/10	10:50 an	342,930	SOIL	74	SW-CONT SOIL	102,460	39,06063,400	31.70	KENT/KING
8/31/10	11:01 an	342,941	SOIL	74	SW-CONT SOIL	104,060	41,54062,520	31.26	KENT/KING
8/31/10	11:02 an	342,944	SOIL	74	SW-CONT SOIL	91,740	37,04054,700	27.35	KENT/KING
8/31/10	11:06 an	342,950	SOIL	74	SW-CONT SOIL	108,280	40,10068,180	34.09	KENT/KING
8/31/10	11:08 an	342,956	SOIL	74	SW-CONT SOIL	92,100	35,62056,480	28.24	KENT/KING
8/31/10	11:43 an	342,955	SOIL	74	SW-CONT SOIL	97,460	39,30058,160	29.08	KENT/KING
8/31/10	11:49 an	342,962	SOIL	74	SW-CONT SOIL	85,640	36,64049,000	24.50	KENT/KING
8/31/10	11:52 an	342,965	SOIL	74	SW-CONT SOIL	110,720	38,06072,660	36.33	KENT/KING
8/31/10	11:56 an	342,973	SOIL	74	SW-CONT SOIL	94,400	37,46056,940	28.47	KENT/KING
8/31/10	12:08 pn	342,972	SOIL	74	SW-CONT SOIL	109,080	41,32067,760	33.88	KENT/KING

Activity By Job ID

Report period August 2010

REGIONAL DISPOSAL INTERMODAL

8/31/10	12:15 pm	342,977	SOIL	74	SW-CONT SOIL	112,140	40,36071,780	35.89	KENT/KING
8/31/10	12:38 pm	342,990	SOIL	74	SW-CONT SOIL	98,200	39,06059,140	29.57	KENT/KING
8/31/10	12:47 pm	342,998	SOIL	74	SW-CONT SOIL	96,040	38,42057,620	28.81	KENT/KING
8/31/10	1:21 pm	343,024	SOIL	74	SW-CONT SOIL	104,000	37,46066,540	33.27	KENT/KING
8/31/10	1:33 pm	343,028	SOIL	74	SW-CONT SOIL	102,400	38,06064,340	32.17	KENT/KING
8/31/10	1:35 pm	343,029	SOIL	74	SW-CONT SOIL	91,360	36,64054,720	27.36	KENT/KING
8/31/10	1:37 pm	343,031	SOIL	74	SW-CONT SOIL	99,900	41,32058,580	29.29	KENT/KING
8/31/10	1:40 pm	343,034	SOIL	74	SW-CONT SOIL	105,480	40,36065,120	32.56	KENT/KING
8/31/10	1:56 pm	343,042	SOIL	74	SW-CONT SOIL	104,000	39,06064,940	32.47	KENT/KING
8/31/10	2:05 pm	343,049	SOIL	74	SW-CONT SOIL	109,660	38,42071,240	35.62	KENT/KING
8/31/10	2:07 pm	343,070	SOIL	74	SW-CONT SOIL	100,800	38,84061,960	30.98	KENT/KING
8/31/10	2:11 pm	343,071	SOIL	74	SW-CONT SOIL	104,840	39,70065,140	32.57	KENT/KING
8/31/10	9:59 pm	343,153	SOIL	74	SW-CONT SOIL	89,100	37,04052,060	26.03	KENT/KING
8/31/10	10:01 pm	343,154	SOIL	74	SW-CONT SOIL	113,000	41,54071,460	35.73	KENT/KING
8/31/10	10:03 pm	343,155	SOIL	74	SW-CONT SOIL	106,000	40,10065,900	32.95	KENT/KING
8/31/10	10:06 pm	343,156	SOIL	74	SW-CONT SOIL	92,460	35,62056,840	28.42	KENT/KING
8/31/10	10:07 pm	343,157	SOIL	74	SW-CONT SOIL	108,900	39,30069,600	34.80	KENT/KING
9/2/10	7:40 am	343,636	SOIL	74	SW-CONT SOIL	94,200	40,92053,280	26.64	KENT/KING
9/2/10	7:41 am	343,637	SOIL	74	SW-CONT SOIL	96,600	43,44053,160	26.58	KENT/KING
9/2/10	7:47 am	343,639	SOIL	74	SW-CONT SOIL	92,220	38,30053,920	26.96	KENT/KING
9/2/10	7:57 am	343,643	SOIL	74	SW-CONT SOIL	84,680	35,28049,400	24.70	KENT/KING
9/2/10	8:09 am	343,647	SOIL	74	SW-CONT SOIL	88,180	37,92050,260	25.13	KENT/KING
9/2/10	8:11 am	343,650	SOIL	74	SW-CONT SOIL	86,680	36,76049,920	24.96	KENT/KING
9/2/10	8:11 am	343,652	SOIL	74	SW-CONT SOIL	88,060	37,66050,400	25.20	KENT/KING
9/2/10	8:21 am	343,651	SOIL	74	SW-CONT SOIL	102,640	37,04065,600	32.80	KENT/KING
9/2/10	8:54 am	343,665	SOIL	74	SW-CONT SOIL	99,420	40,92058,500	29.25	KENT/KING
9/2/10	8:58 am	343,669	SOIL	74	SW-CONT SOIL	110,620	42,96067,660	33.83	KENT/KING
9/2/10	9:05 am	343,670	SOIL	74	SW-CONT SOIL	112,580	38,06074,520	37.26	KENT/KING
9/2/10	9:42 am	343,689	SOIL	74	SW-CONT SOIL	95,640	36,64059,000	29.50	KENT/KING

Activity By Job ID

Report period September 2010

REGIONAL DISPOSAL INTERMODAL

9/2/10	9:44 am	343,691	SOIL	74	SW-CONT SOIL	97,080	37,66059,420	29.71	KENT/KING
9/2/10	9:47 am	343,693	SOIL	74	SW-CONT SOIL	94,400	37,04057,360	28.68	KENT/KING
9/2/10	10:09 am	343,709	SOIL	74	SW-CONT SOIL	102,180	40,92061,260	30.63	KENT/KING
9/2/10	10:17 am	343,712	SOIL	74	SW-CONT SOIL	107,720	38,06069,660	34.83	KENT/KING
9/2/10	10:19 am	343,714	SOIL	74	SW-CONT SOIL	100,660	42,96057,700	28.85	KENT/KING
9/2/10	10:58 am	343,746	SOIL	74	SW-CONT SOIL	99,860	35,28064,580	32.29	KENT/KING
9/2/10	10:59 am	343,748	SOIL	74	SW-CONT SOIL	99,080	37,66061,420	30.71	KENT/KING
9/2/10	11:01 am	343,749	SOIL	74	SW-CONT SOIL	97,500	37,92059,580	29.79	KENT/KING
9/2/10	11:41 am	343,777	SOIL	74	SW-CONT SOIL	104,760	40,92063,840	31.92	KENT/KING
9/2/10	11:45 am	343,784	SOIL	74	SW-CONT SOIL	110,540	38,06072,480	36.24	KENT/KING
9/2/10	11:47 am	343,788	SOIL	74	SW-CONT SOIL	114,660	42,96071,700	35.85	KENT/KING
9/2/10	12:17 pm	343,809	SOIL	74	SW-CONT SOIL	96,660	36,64060,020	30.01	KENT/KING
9/2/10	12:22 pm	343,813	SOIL	74	SW-CONT SOIL	100,900	37,66063,240	31.62	KENT/KING
9/2/10	12:31 pm	343,819	SOIL	74	SW-CONT SOIL	106,020	37,92068,100	34.05	KENT/KING
9/2/10	12:51 pm	343,831	SOIL	74	SW-CONT SOIL	99,340	40,92058,420	29.21	KENT/KING
9/2/10	12:54 pm	343,838	SOIL	74	SW-CONT SOIL	104,720	38,06066,660	33.33	KENT/KING
9/2/10	1:10 pm	343,845	SOIL	74	SW-CONT SOIL	116,580	42,96073,620	36.81	KENT/KING
9/2/10	1:34 pm	343,855	SOIL	74	SW-CONT SOIL	93,260	36,64056,620	28.31	KENT/KING
9/2/10	1:36 pm	343,856	SOIL	74	SW-CONT SOIL	99,260	37,66061,600	30.80	KENT/KING
9/2/10	1:40 pm	343,860	SOIL	74	SW-CONT SOIL	93,320	37,92055,400	27.70	KENT/KING
9/2/10	2:10 pm	343,872	SOIL	74	SW-CONT SOIL	101,340	40,92060,420	30.21	KENT/KING
9/2/10	2:12 pm	343,873	SOIL	74	SW-CONT SOIL	109,160	38,06071,100	35.55	KENT/KING
9/2/10	2:26 pm	343,886	SOIL	74	SW-CONT SOIL	108,900	42,96065,940	32.97	KENT/KING
9/2/10	2:41 pm	343,901	SOIL	74	SW-CONT SOIL	96,800	37,04059,760	29.88	KENT/KING
9/2/10	2:48 pm	343,906	SOIL	74	SW-CONT SOIL	98,560	36,64061,920	30.96	KENT/KING
9/2/10	2:51 pm	343,908	SOIL	74	SW-CONT SOIL	101,680	37,66064,020	32.01	KENT/KING
9/2/10	2:58 pm	343,914	SOIL	74	SW-CONT SOIL	101,600	37,92063,680	31.84	KENT/KING
9/3/10	8:10 am	344,070	SOIL	74	SW-CONT SOIL	105,540	38,42067,120	33.56	KENT/KING
9/3/10	8:36 am	344,081	SOIL	74	SW-CONT SOIL	99,140	41,24057,900	28.95	KENT/KING

Activity By Job ID

Report period September 2010

REGIONAL DISPOSAL INTERMODAL

9/3/10	8:38 am	344,083	SOIL	74	SW-CONT SOIL	96,340	36,08060,260	30.13	KENT/KING
9/3/10	8:41 am	344,084	SOIL	74	SW-CONT SOIL	104,440	39,84064,600	32.30	KENT/KING
9/3/10	8:52 am	344,085	SOIL	74	SW-CONT SOIL	101,360	38,06063,300	31.65	KENT/KING
9/3/10	9:21 am	344,099	SOIL	74	SW-CONT SOIL	95,740	36,64059,100	29.55	KENT/KING
9/3/10	9:32 am	344,108	SOIL	74	SW-CONT SOIL	109,500	38,42071,080	35.54	KENT/KING
9/3/10	9:49 am	344,119	SOIL	74	SW-CONT SOIL	106,720	41,24065,480	32.74	KENT/KING
9/3/10	9:50 am	344,120	SOIL	74	SW-CONT SOIL	94,480	36,08058,400	29.20	KENT/KING
9/3/10	9:54 am	344,122	SOIL	74	SW-CONT SOIL	101,000	39,84061,160	30.58	KENT/KING
9/3/10	10:00 am	344,127	SOIL	74	SW-CONT SOIL	105,280	38,06067,220	33.61	KENT/KING
9/3/10	10:46 am	344,156	SOIL	74	SW-CONT SOIL	112,760	40,00072,760	36.38	KENT/KING
9/3/10	10:51 am	344,158	SOIL	74	SW-CONT SOIL	100,200	36,64063,560	31.78	KENT/KING
9/3/10	10:54 am	344,160	SOIL	74	SW-CONT SOIL	107,140	41,24065,900	32.95	KENT/KING
9/3/10	11:04 am	344,167	SOIL	74	SW-CONT SOIL	105,000	41,24063,760	31.88	KENT/KING
9/3/10	11:08 am	344,170	SOIL	74	SW-CONT SOIL	92,860	36,08056,780	28.39	KENT/KING
9/3/10	11:16 am	344,177	SOIL	74	SW-CONT SOIL	103,460	39,84063,620	31.81	KENT/KING
9/3/10	11:36 am	344,193	SOIL	74	SW-CONT SOIL	102,740	38,06064,680	32.34	KENT/KING
9/3/10	12:00 pm	344,216	SOIL	74	SW-CONT SOIL	104,160	40,00064,160	32.08	KENT/KING
9/3/10	12:07 pm	344,222	SOIL	74	SW-CONT SOIL	103,560	36,64066,920	33.46	KENT/KING
9/3/10	12:09 pm	344,224	SOIL	74	SW-CONT SOIL	100,520	38,42062,100	31.05	KENT/KING
9/3/10	12:20 pm	344,235	SOIL	74	SW-CONT SOIL	98,440	36,08062,360	31.18	KENT/KING
9/3/10	12:22 pm	344,236	SOIL	74	SW-CONT SOIL	108,200	41,24066,960	33.48	KENT/KING
9/3/10	12:31 pm	344,244	SOIL	74	SW-CONT SOIL	109,600	39,84069,760	34.88	KENT/KING
9/3/10	12:47 pm	344,257	SOIL	74	SW-CONT SOIL	110,200	38,06072,140	36.07	KENT/KING
9/7/10	7:59 am	344,837	SOIL	74	SW-CONT SOIL	94,100	35,94058,160	29.08	KENT/KING
9/7/10	8:04 am	344,842	SOIL	74	SW-CONT SOIL	104,860	39,98064,880	32.44	KENT/KING
9/7/10	8:06 am	344,843	SOIL	74	SW-CONT SOIL	98,380	35,82062,560	31.28	KENT/KING
9/7/10	8:28 am	344,851	SOIL	74	SW-CONT SOIL	104,560	38,52066,040	33.02	KENT/KING
9/7/10	8:30 am	344,853	SOIL	74	SW-CONT SOIL	95,020	36,72058,300	29.15	KENT/KING
9/7/10	8:43 am	344,856	SOIL	74	SW-CONT SOIL	102,600	38,80063,800	31.90	KENT/KING

Activity By Job ID

Report period September 2010

REGIONAL DISPOSAL INTERMODAL

9/7/10	8:43 am	344,857	SOIL	74	SW-CONT SOIL	99,940	41,30058,640	29.32	KENT/KING
9/7/10	9:14 am	344,863	SOIL	74	SW-CONT SOIL	94,760	35,94058,820	29.41	KENT/KING
9/7/10	9:18 am	344,864	SOIL	74	SW-CONT SOIL	105,900	40,00065,900	32.95	KENT/KING
9/7/10	9:29 am	344,867	SOIL	74	SW-CONT SOIL	94,060	35,94058,120	29.06	KENT/KING
9/14/10	7:29 am	347,078	SOIL	74	SW-CONT SOIL	103,020	35,76067,260	33.63	KENT/KING
9/14/10	7:52 am	347,088	SOIL	74	SW-CONT SOIL	109,680	41,20068,480	34.24	KENT/KING
9/14/10	8:00 am	347,091	SOIL	74	SW-CONT SOIL	107,580	40,74066,840	33.42	KENT/KING
9/14/10	8:13 am	347,099	SOIL	74	SW-CONT SOIL	106,860	43,24063,620	31.81	KENT/KING
9/14/10	8:20 am	347,101	SOIL	74	SW-CONT SOIL	108,780	41,24067,540	33.77	KENT/KING
9/14/10	8:41 am	347,121	SOIL	74	SW-CONT SOIL	92,920	35,84057,080	28.54	KENT/KING
9/14/10	8:45 am	347,116	SOIL	74	SW-CONT SOIL	93,880	35,92057,960	28.98	KENT/KING
9/14/10	9:11 am	347,139	SOIL	74	SW-CONT SOIL	96,900	37,92058,980	29.49	KENT/KING
9/14/10	9:14 am	347,140	SOIL	74	SW-CONT SOIL	107,720	40,74066,980	33.49	KENT/KING
9/14/10	9:31 am	347,169	SOIL	74	SW-CONT SOIL	113,600	43,18070,420	35.21	KENT/KING
9/14/10	9:38 am	347,186	SOIL	74	SW-CONT SOIL	104,400	41,20063,200	31.60	KENT/KING
9/14/10	9:49 am	347,188	SOIL	74	SW-CONT SOIL	111,000	38,68072,320	36.16	KENT/KING
9/14/10	10:02 an	347,198	SOIL	74	SW-CONT SOIL	97,260	35,86061,400	30.70	KENT/KING
9/14/10	10:41 an	347,208	SOIL	74	SW-CONT SOIL	92,940	35,76057,180	28.59	KENT/KING
9/14/10	10:44 an	347,211	SOIL	74	SW-CONT SOIL	102,140	37,56064,580	32.29	KENT/KING
9/14/10	10:45 an	347,218	SOIL	74	SW-CONT SOIL	104,580	40,42064,160	32.08	KENT/KING
9/14/10	10:52 an	347,225	SOIL	74	SW-CONT SOIL	107,540	40,88066,660	33.33	KENT/KING
9/14/10	11:25 an	347,246	SOIL	74	SW-CONT SOIL	104,500	43,20061,300	30.65	KENT/KING
9/14/10	11:45 an	347,280	SOIL	74	SW-CONT SOIL	100,840	41,12059,720	29.86	KENT/KING
9/14/10	11:57 an	347,290	SOIL	74	SW-CONT SOIL	98,880	38,88060,000	30.00	KENT/KING
9/14/10	12:00 pn	347,292	SOIL	74	SW-CONT SOIL	94,160	36,56057,600	28.80	KENT/KING
9/14/10	12:13 pn	347,318	SOIL	74	SW-CONT SOIL	89,880	36,60053,280	26.64	KENT/KING
9/14/10	12:14 pn	347,302	SOIL	74	SW-CONT SOIL	97,280	37,62059,660	29.83	KENT/KING
9/14/10	12:17 pn	347,305	SOIL	74	SW-CONT SOIL	102,580	43,10059,480	29.74	KENT/KING
9/14/10	12:21 pn	347,311	SOIL	74	SW-CONT SOIL	102,460	41,06061,400	30.70	KENT/KING

Activity By Job ID

Report period September 2010

REGIONAL DISPOSAL INTERMODAL

9/14/10	12:43 pm	347,324	SOIL	74	SW-CONT SOIL	105,100	43,04062,060	31.03	KENT/KING
9/14/10	1:19 pm	347,350	SOIL	74	SW-CONT SOIL	108,300	41,68066,620	33.31	KENT/KING
9/14/10	1:30 pm	347,358	SOIL	74	SW-CONT SOIL	107,480	38,76068,720	34.36	KENT/KING
9/14/10	1:34 pm	347,373	SOIL	74	SW-CONT SOIL	95,520	35,64059,880	29.94	KENT/KING
9/14/10	1:43 pm	347,378	SOIL	74	SW-CONT SOIL	102,060	38,22063,840	31.92	KENT/KING
9/14/10	1:45 pm	347,383	SOIL	74	SW-CONT SOIL	112,420	41,84070,580	35.29	KENT/KING
9/14/10	1:46 pm	347,386	SOIL	74	SW-CONT SOIL	104,260	40,82063,440	31.72	KENT/KING
9/14/10	1:57 pm	347,437	SOIL	74	SW-CONT SOIL	95,040	35,88059,160	29.58	KENT/KING
9/14/10	2:10 pm	347,422	SOIL	74	SW-CONT SOIL	104,180	43,00061,180	30.59	KENT/KING
9/14/10	2:36 pm	347,453	SOIL	74	SW-CONT SOIL	117,040	40,92076,120	38.06	KENT/KING
9/14/10	3:11 pm	347,456	SOIL	74	SW-CONT SOIL	102,240	35,52066,720	33.36	KENT/KING
9/15/10	10:32 an	347,638	SOIL	74	SW-CONT SOIL	101,500	40,52060,980	30.49	KENT/KING
9/15/10	11:51 an	347,697	SOIL	74	SW-CONT SOIL	109,940	40,50069,440	34.72	KENT/KING
9/15/10	1:02 pm	347,747	SOIL	74	SW-CONT SOIL	105,960	40,34065,620	32.81	KENT/KING
9/15/10	2:21 pm	347,797	SOIL	74	SW-CONT SOIL	109,940	40,28069,660	34.83	KENT/KING
9/22/10	12:59 pm	349,816	SOIL	74	SW-CONT SOIL	99,660	40,42059,240	29.62	KENT/KING
9/22/10	2:19 pm	349,879	SOIL	74	SW-CONT SOIL	96,240	40,30055,940	27.97	KENT/KING
9/23/10	7:52 am	350,040	SOIL	74	SW-CONT SOIL	105,880	39,38066,500	33.25	KENT/KING
9/23/10	8:03 am	350,043	SOIL	74	SW-CONT SOIL	101,240	37,34063,900	31.95	KENT/KING
9/23/10	8:13 am	350,050	SOIL	74	SW-CONT SOIL	88,980	41,42047,560	23.78	KENT/KING
9/23/10	8:20 am	350,059	SOIL	74	SW-CONT SOIL	88,700	41,50047,200	23.60	KENT/KING
9/23/10	8:37 am	350,066	SOIL	74	SW-CONT SOIL	104,700	42,96061,740	30.87	KENT/KING
9/23/10	8:52 am	350,072	SOIL	74	SW-CONT SOIL	112,320	40,06072,260	36.13	KENT/KING
9/23/10	8:54 am	350,079	SOIL	74	SW-CONT SOIL	108,600	42,70065,900	32.95	KENT/KING
9/23/10	9:25 am	350,083	SOIL	74	SW-CONT SOIL	108,200	37,34070,860	35.43	KENT/KING
9/23/10	9:29 am	350,086	SOIL	74	SW-CONT SOIL	113,300	41,42071,880	35.94	KENT/KING
9/23/10	9:45 am	350,098	SOIL	74	SW-CONT SOIL	107,920	41,50066,420	33.21	KENT/KING
9/23/10	9:56 am	350,108	SOIL	74	SW-CONT SOIL	114,380	42,96071,420	35.71	KENT/KING
9/23/10	10:11 an	350,116	SOIL	74	SW-CONT SOIL	96,920	40,06056,860	28.43	KENT/KING

Activity By Job ID

Report period September 2010

REGIONAL DISPOSAL INTERMODAL

9/23/10	10:24 an	350,127	SOIL	74	SW-CONT SOIL	108,760	42,70066,060	33.03	KENT/KING
9/23/10	10:32 an	350,137	SOIL	74	SW-CONT SOIL	106,900	39,38067,520	33.76	KENT/KING
9/23/10	10:40 an	350,144	SOIL	74	SW-CONT SOIL	98,480	37,34061,140	30.57	KENT/KING
9/23/10	11:02 an	350,160	SOIL	74	SW-CONT SOIL	106,520	41,42065,100	32.55	KENT/KING
9/23/10	11:22 an	350,178	SOIL	74	SW-CONT SOIL	102,760	42,96059,800	29.90	KENT/KING
9/23/10	11:32 an	350,188	SOIL	74	SW-CONT SOIL	95,200	40,06055,140	27.57	KENT/KING
9/23/10	11:44 an	350,200	SOIL	74	SW-CONT SOIL	105,120	42,70062,420	31.21	KENT/KING
9/23/10	11:56 an	350,208	SOIL	74	SW-CONT SOIL	99,160	39,38059,780	29.89	KENT/KING
9/23/10	12:06 pn	350,216	SOIL	74	SW-CONT SOIL	98,980	37,34061,640	30.82	KENT/KING
9/23/10	12:23 pn	350,228	SOIL	74	SW-CONT SOIL	100,240	41,50058,740	29.37	KENT/KING
9/23/10	12:30 pn	350,235	SOIL	74	SW-CONT SOIL	102,000	41,42060,580	30.29	KENT/KING
9/23/10	12:45 pn	350,246	SOIL	74	SW-CONT SOIL	103,900	42,96060,940	30.47	KENT/KING
9/23/10	12:59 pn	350,259	SOIL	74	SW-CONT SOIL	100,240	40,06060,180	30.09	KENT/KING
9/23/10	1:01 pm	350,263	SOIL	74	SW-CONT SOIL	106,840	42,70064,140	32.07	KENT/KING
9/23/10	1:11 pm	350,270	SOIL	74	SW-CONT SOIL	108,380	39,38069,000	34.50	KENT/KING
9/23/10	1:15 pm	350,271	SOIL	74	SW-CONT SOIL	102,060	37,34064,720	32.36	KENT/KING
9/23/10	1:43 pm	350,300	SOIL	74	SW-CONT SOIL	107,260	41,50065,760	32.88	KENT/KING
9/23/10	1:57 pm	350,310	SOIL	74	SW-CONT SOIL	105,760	41,42064,340	32.17	KENT/KING
9/23/10	2:05 pm	350,316	SOIL	74	SW-CONT SOIL	103,080	42,96060,120	30.06	KENT/KING
9/23/10	2:12 pm	350,322	SOIL	74	SW-CONT SOIL	96,720	40,06056,660	28.33	KENT/KING
9/23/10	2:28 pm	350,330	SOIL	74	SW-CONT SOIL	110,860	42,70068,160	34.08	KENT/KING
9/23/10	2:35 pm	350,334	SOIL	74	SW-CONT SOIL	102,560	39,38063,180	31.59	KENT/KING
9/23/10	2:37 pm	350,337	SOIL	74	SW-CONT SOIL	104,140	37,34066,800	33.40	KENT/KING
9/23/10	3:06 pm	350,352	SOIL	74	SW-CONT SOIL	101,720	41,50060,220	30.11	KENT/KING
9/23/10	9:17 pm	350,422	SOIL	74	SW-CONT SOIL	108,160	39,38068,780	34.39	KENT/KING
9/24/10	7:43 am	350,487	SOIL	74	SW-CONT SOIL	94,040	37,40056,640	28.32	KENT/KING
9/24/10	7:53 am	350,489	SOIL	74	SW-CONT SOIL	99,000	39,32059,680	29.84	KENT/KING
9/24/10	8:03 am	350,493	SOIL	74	SW-CONT SOIL	105,800	39,80066,000	33.00	KENT/KING
9/24/10	8:05 am	350,498	SOIL	74	SW-CONT SOIL	107,380	43,12064,260	32.13	KENT/KING

Activity By Job ID

Report period September 2010

REGIONAL DISPOSAL INTERMODAL

9/24/10	8:15 am	350,499	SOIL	74	SW-CONT SOIL	101,220	41,28059,940	29.97	KENT/KING
9/24/10	8:23 am	350,502	SOIL	74	SW-CONT SOIL	100,680	41,18059,500	29.75	KENT/KING
9/24/10	8:40 am	350,507	SOIL	74	SW-CONT SOIL	100,580	41,16059,420	29.71	KENT/KING
9/24/10	8:53 am	350,512	SOIL	74	SW-CONT SOIL	103,480	41,10062,380	31.19	KENT/KING
9/24/10	8:58 am	350,509	SOIL	74	SW-CONT SOIL	101,740	37,40064,340	32.17	KENT/KING
9/24/10	9:05 am	350,511	SOIL	74	SW-CONT SOIL	108,400	39,32069,080	34.54	KENT/KING
9/24/10	9:17 am	350,516	SOIL	74	SW-CONT SOIL	104,240	39,80064,440	32.22	KENT/KING
9/24/10	9:25 am	350,521	SOIL	74	SW-CONT SOIL	112,280	41,28071,000	35.50	KENT/KING
9/24/10	9:31 am	350,525	SOIL	74	SW-CONT SOIL	115,100	43,12071,980	35.99	KENT/KING
9/24/10	10:11 an	350,543	SOIL	74	SW-CONT SOIL	108,140	37,40070,740	35.37	KENT/KING
9/24/10	10:13 an	350,544	SOIL	74	SW-CONT SOIL	100,120	41,10059,020	29.51	KENT/KING
9/24/10	10:20 an	350,548	SOIL	74	SW-CONT SOIL	104,440	39,32065,120	32.56	KENT/KING
9/24/10	10:26 an	350,552	SOIL	74	SW-CONT SOIL	106,640	39,80066,840	33.42	KENT/KING
9/24/10	10:38 an	350,558	SOIL	74	SW-CONT SOIL	112,460	41,28071,180	35.59	KENT/KING
9/24/10	10:54 an	350,572	SOIL	74	SW-CONT SOIL	108,540	43,12065,420	32.71	KENT/KING
9/24/10	11:12 an	350,586	SOIL	74	SW-CONT SOIL	101,440	37,40064,040	32.02	KENT/KING
9/24/10	11:22 an	350,594	SOIL	74	SW-CONT SOIL	112,180	41,18071,000	35.50	KENT/KING
9/24/10	11:33 an	350,598	SOIL	74	SW-CONT SOIL	106,940	41,10065,840	32.92	KENT/KING
9/24/10	11:42 an	350,607	SOIL	74	SW-CONT SOIL	100,860	39,32061,540	30.77	KENT/KING
9/24/10	11:51 an	350,619	SOIL	74	SW-CONT SOIL	107,040	39,80067,240	33.62	KENT/KING
9/24/10	11:56 an	350,625	SOIL	74	SW-CONT SOIL	102,860	41,28061,580	30.79	KENT/KING
9/24/10	12:21 pn	350,647	SOIL	74	SW-CONT SOIL	105,940	43,12062,820	31.41	KENT/KING
9/24/10	12:36 pn	350,656	SOIL	74	SW-CONT SOIL	107,160	41,18065,980	32.99	KENT/KING
9/24/10	12:41 pn	350,659	SOIL	74	SW-CONT SOIL	102,880	41,10061,780	30.89	KENT/KING
9/24/10	12:51 pn	350,665	SOIL	74	SW-CONT SOIL	100,380	39,32061,060	30.53	KENT/KING
9/24/10	1:04 pm	350,672	SOIL	74	SW-CONT SOIL	97,460	39,80057,660	28.83	KENT/KING
9/24/10	1:12 pm	350,675	SOIL	74	SW-CONT SOIL	102,720	41,28061,440	30.72	KENT/KING
9/24/10	1:37 pm	350,694	SOIL	74	SW-CONT SOIL	102,300	43,12059,180	29.59	KENT/KING
9/24/10	2:01 pm	350,707	SOIL	74	SW-CONT SOIL	106,700	41,18065,520	32.76	KENT/KING

Activity By Job ID

Report period September 2010

REGIONAL DISPOSAL INTERMODAL

9/24/10	2:17 pm	350,714	SOIL	74	SW-CONT SOIL	105,000	41,10063,900	31.95	KENT/KING
9/24/10	2:32 pm	350,725	SOIL	74	SW-CONT SOIL	98,660	39,32059,340	29.67	KENT/KING
9/24/10	2:38 pm	350,728	SOIL	74	SW-CONT SOIL	108,580	39,80068,780	34.39	KENT/KING
9/24/10	2:53 pm	350,735	SOIL	74	SW-CONT SOIL	109,220	41,28067,940	33.97	KENT/KING
9/24/10	3:20 pm	350,750	SOIL	74	SW-CONT SOIL	104,180	37,40066,780	33.39	KENT/KING
9/25/10	8:40 am	350,816	SOIL	74	SW-CONT SOIL	106,260	39,84066,420	33.21	KENT/KING
9/25/10	8:41 am	350,817	SOIL	74	SW-CONT SOIL	101,080	39,32061,760	30.88	KENT/KING
9/25/10	8:42 am	350,819	SOIL	74	SW-CONT SOIL	106,200	39,00067,200	33.60	KENT/KING
9/25/10	8:47 am	350,820	SOIL	74	SW-CONT SOIL	104,520	38,92065,600	32.80	KENT/KING
9/25/10	8:49 am	350,822	SOIL	74	SW-CONT SOIL	97,200	39,36057,840	28.92	KENT/KING
9/25/10	8:49 am	350,823	SOIL	74	SW-CONT SOIL	101,500	39,66061,840	30.92	KENT/KING
9/25/10	8:53 am	350,824	SOIL	74	SW-CONT SOIL	98,060	39,40058,660	29.33	KENT/KING
9/25/10	9:01 am	350,825	SOIL	74	SW-CONT SOIL	92,980	37,50055,480	27.74	KENT/KING
9/25/10	9:03 am	350,826	SOIL	74	SW-CONT SOIL	100,760	39,64061,120	30.56	KENT/KING
9/25/10	9:05 am	350,828	SOIL	74	SW-CONT SOIL	101,040	38,78062,260	31.13	KENT/KING
9/25/10	9:05 am	350,829	SOIL	74	SW-CONT SOIL	104,200	38,28065,920	32.96	KENT/KING
9/25/10	9:06 am	350,830	SOIL	74	SW-CONT SOIL	103,260	38,68064,580	32.29	KENT/KING
9/25/10	9:12 am	350,832	SOIL	74	SW-CONT SOIL	104,120	39,16064,960	32.48	KENT/KING
9/25/10	9:14 am	350,833	SOIL	74	SW-CONT SOIL	95,140	38,66056,480	28.24	KENT/KING
9/25/10	9:22 am	350,834	SOIL	74	SW-CONT SOIL	99,100	38,08061,020	30.51	KENT/KING
9/25/10	9:24 am	350,837	SOIL	74	SW-CONT SOIL	97,480	39,40058,080	29.04	KENT/KING
9/25/10	9:38 am	350,835	SOIL	74	SW-CONT SOIL	108,400	39,84068,560	34.28	KENT/KING
9/25/10	9:40 am	350,836	SOIL	74	SW-CONT SOIL	99,520	39,32060,200	30.10	KENT/KING
9/25/10	9:44 am	350,838	SOIL	74	SW-CONT SOIL	105,680	39,00066,680	33.34	KENT/KING
9/25/10	9:51 am	350,840	SOIL	74	SW-CONT SOIL	106,820	38,92067,900	33.95	KENT/KING
9/25/10	9:56 am	350,842	SOIL	74	SW-CONT SOIL	106,260	39,36066,900	33.45	KENT/KING
9/25/10	10:01 an	350,844	SOIL	74	SW-CONT SOIL	107,560	39,40068,160	34.08	KENT/KING
9/25/10	10:03 an	350,845	SOIL	74	SW-CONT SOIL	110,520	39,66070,860	35.43	KENT/KING
9/25/10	10:09 an	350,848	SOIL	74	SW-CONT SOIL	113,420	37,50075,920	37.96	KENT/KING

9/25/10

26.71

scale ticket #208953 missing from printout

Activity By Job ID

Report period September 2010

REGIONAL DISPOSAL INTERMODAL

9/25/10 10:16 an	350,851	SOIL	74	SW-CONT SOIL	118,620	39,640	78,980	39.49	KENT/KING
9/25/10 10:19 an	350,852	SOIL	74	SW-CONT SOIL	106,020	38,780	67,240	33.62	KENT/KING
9/25/10 10:20 an	350,853	SOIL	74	SW-CONT SOIL	110,200	38,280	71,920	35.96	KENT/KING
9/25/10 10:26 an	350,854	SOIL	74	SW-CONT SOIL	107,240	39,160	68,080	34.04	KENT/KING
9/25/10 10:28 an	350,855	SOIL	74	SW-CONT SOIL	105,200	38,680	66,520	33.26	KENT/KING
9/25/10 10:31 an	350,861	SOIL	74	SW-CONT SOIL	109,120	39,080	70,040	35.02	KENT/KING
9/25/10 10:34 an	350,858	SOIL	74	SW-CONT SOIL	103,200	38,660	64,540	32.27	KENT/KING
9/25/10 10:39 an	350,860	SOIL	74	SW-CONT SOIL	106,060	38,080	67,980	33.99	KENT/KING
9/25/10 10:40 an	350,862	SOIL	74	SW-CONT SOIL	104,780	39,840	64,940	32.47	KENT/KING
9/25/10 10:43 an	350,863	SOIL	74	SW-CONT SOIL	103,680	39,320	64,360	32.18	KENT/KING
9/25/10 10:45 an	350,864	SOIL	74	SW-CONT SOIL	104,960	39,400	65,560	32.78	KENT/KING
9/25/10 10:48 an	350,866	SOIL	74	SW-CONT SOIL	106,320	39,000	67,320	33.66	KENT/KING
9/25/10 10:53 an	350,867	SOIL	74	SW-CONT SOIL	102,680	38,920	63,760	31.88	KENT/KING
9/25/10 10:58 an	350,869	SOIL	74	SW-CONT SOIL	102,000	39,360	62,640	31.32	KENT/KING
9/25/10 11:03 an	350,871	SOIL	74	SW-CONT SOIL	109,040	39,400	69,640	34.82	KENT/KING
9/25/10 11:09 an	350,872	SOIL	74	SW-CONT SOIL	103,960	39,660	64,300	32.15	KENT/KING
9/25/10 11:14 an	350,873	SOIL	74	SW-CONT SOIL	102,140	37,500	64,640	32.32	KENT/KING
9/25/10 11:23 an	350,875	SOIL	74	SW-CONT SOIL	106,580	39,640	66,940	33.47	KENT/KING
9/25/10 11:28 an	350,876	SOIL	74	SW-CONT SOIL	94,460	38,780	55,680	27.84	KENT/KING
9/25/10 11:29 an	350,877	SOIL	74	SW-CONT SOIL	99,080	38,280	60,800	30.40	KENT/KING
9/25/10 11:41 an	350,884	SOIL	74	SW-CONT SOIL	99,340	38,680	60,660	30.33	KENT/KING
9/25/10 11:43 an	350,885	SOIL	74	SW-CONT SOIL	104,200	39,080	65,120	32.56	KENT/KING
9/25/10 11:45 an	350,886	SOIL	74	SW-CONT SOIL	105,780	38,660	67,120	33.56	KENT/KING
9/25/10 11:53 an	350,887	SOIL	74	SW-CONT SOIL	108,260	38,080	70,180	35.09	KENT/KING
9/25/10 11:56 an	350,888	SOIL	74	SW-CONT SOIL	96,540	39,840	56,700	28.35	KENT/KING
9/25/10 12:01 pn	350,889	SOIL	74	SW-CONT SOIL	102,540	39,320	63,220	31.61	KENT/KING
9/25/10 12:07 pn	350,891	SOIL	74	SW-CONT SOIL	96,340	39,400	56,940	28.47	KENT/KING
9/25/10 12:10 pn	350,892	SOIL	74	SW-CONT SOIL	105,560	39,000	66,560	33.28	KENT/KING
9/25/10 12:18 pn	350,893	SOIL	74	SW-CONT SOIL	101,800	38,920	62,880	31.44	KENT/KING

Activity By Job ID

Report period September 2010

REGIONAL DISPOSAL INTERMODAL

9/25/10	12:21 pm	350,894	SOIL	74	SW-CONT SOIL	103,940	39,36064,580	32.29	KENT/KING
9/25/10	12:27 pm	350,896	SOIL	74	SW-CONT SOIL	93,700	39,40054,300	27.15	KENT/KING
9/25/10	12:29 pm	350,897	SOIL	74	SW-CONT SOIL	105,760	39,66066,100	33.05	KENT/KING
9/25/10	12:39 pm	350,901	SOIL	74	SW-CONT SOIL	104,160	37,50066,660	33.33	KENT/KING
9/25/10	12:45 pm	350,903	SOIL	74	SW-CONT SOIL	111,840	39,64072,200	36.10	KENT/KING
9/25/10	12:47 pm	350,904	SOIL	74	SW-CONT SOIL	106,420	38,78067,640	33.82	KENT/KING
9/25/10	12:48 pm	350,905	SOIL	74	SW-CONT SOIL	100,740	38,28062,460	31.23	KENT/KING
9/25/10	12:53 pm	350,907	SOIL	74	SW-CONT SOIL	100,160	39,16061,000	30.50	KENT/KING
9/25/10	12:55 pm	350,908	SOIL	74	SW-CONT SOIL	101,360	38,68062,680	31.34	KENT/KING
9/25/10	12:58 pm	350,909	SOIL	74	SW-CONT SOIL	102,960	39,16063,800	31.90	KENT/KING
9/25/10	12:58 pm	350,910	SOIL	74	SW-CONT SOIL	105,840	39,08066,760	33.38	KENT/KING
9/25/10	1:00 pm	350,911	SOIL	74	SW-CONT SOIL	92,840	38,66054,180	27.09	KENT/KING
9/25/10	1:05 pm	350,913	SOIL	74	SW-CONT SOIL	104,700	38,08066,620	33.31	KENT/KING
9/25/10	1:06 pm	350,914	SOIL	74	SW-CONT SOIL	101,960	39,84062,120	31.06	KENT/KING
9/25/10	1:09 pm	350,915	SOIL	74	SW-CONT SOIL	109,280	39,32069,960	34.98	KENT/KING
9/25/10	1:13 pm	350,916	SOIL	74	SW-CONT SOIL	97,080	39,40057,680	28.84	KENT/KING
9/25/10	1:15 pm	350,918	SOIL	74	SW-CONT SOIL	98,580	39,00059,580	29.79	KENT/KING
9/25/10	1:20 pm	350,920	SOIL	74	SW-CONT SOIL	93,860	38,92054,940	27.47	KENT/KING
9/25/10	1:23 pm	350,921	SOIL	74	SW-CONT SOIL	97,220	39,36057,860	28.93	KENT/KING
9/25/10	1:28 pm	350,922	SOIL	74	SW-CONT SOIL	100,080	39,40060,680	30.34	KENT/KING
9/25/10	1:34 pm	350,924	SOIL	74	SW-CONT SOIL	97,960	39,66058,300	29.15	KENT/KING
9/25/10	1:54 pm	350,927	SOIL	74	SW-CONT SOIL	106,100	37,50068,600	34.30	KENT/KING
9/25/10	1:59 pm	350,929	SOIL	74	SW-CONT SOIL	110,140	39,64070,500	35.25	KENT/KING
9/27/10	7:39 am	351,044	SOIL	74	SW-CONT SOIL	101,360	35,92065,440	32.72	KENT/KING
9/27/10	7:58 am	351,052	SOIL	74	SW-CONT SOIL	111,740	39,08072,660	36.33	KENT/KING
9/27/10	8:00 am	351,053	SOIL	74	SW-CONT SOIL	105,940	37,36068,580	34.29	KENT/KING
9/27/10	8:22 am	351,060	SOIL	74	SW-CONT SOIL	105,020	41,06063,960	31.98	KENT/KING
9/27/10	8:27 am	351,064	SOIL	74	SW-CONT SOIL	111,980	41,34070,640	35.32	KENT/KING
9/27/10	8:30 am	351,065	SOIL	74	SW-CONT SOIL	101,640	41,24060,400	30.20	KENT/KING

Activity By Job ID

Report period September 2010

REGIONAL DISPOSAL INTERMODAL

9/27/10	8:41 am	351,072	SOIL	74	SW-CONT SOIL	109,060	40,92068,140	34.07	KENT/KING
9/27/10	8:53 am	351,078	SOIL	74	SW-CONT SOIL	102,520	38,60063,920	31.96	KENT/KING
9/27/10	8:59 am	351,081	SOIL	74	SW-CONT SOIL	102,240	38,88063,360	31.68	KENT/KING
9/27/10	9:07 am	351,080	SOIL	74	SW-CONT SOIL	102,900	40,80062,100	31.05	KENT/KING
9/27/10	9:22 am	351,086	SOIL	74	SW-CONT SOIL	86,980	35,92051,060	25.53	KENT/KING
9/27/10	9:28 am	351,091	SOIL	74	SW-CONT SOIL	98,720	39,08059,640	29.82	KENT/KING
9/27/10	9:31 am	351,093	SOIL	74	SW-CONT SOIL	104,240	37,36066,880	33.44	KENT/KING
9/27/10	9:33 am	351,095	SOIL	74	SW-CONT SOIL	110,340	43,10067,240	33.62	KENT/KING
9/27/10	9:59 am	351,107	SOIL	74	SW-CONT SOIL	99,180	41,06058,120	29.06	KENT/KING
9/27/10	10:00 an	351,109	SOIL	74	SW-CONT SOIL	101,380	41,34060,040	30.02	KENT/KING
9/27/10	10:07 an	351,115	SOIL	74	SW-CONT SOIL	112,320	41,24071,080	35.54	KENT/KING
9/27/10	10:17 an	351,122	SOIL	74	SW-CONT SOIL	108,500	40,92067,580	33.79	KENT/KING
9/27/10	10:21 an	351,126	SOIL	74	SW-CONT SOIL	99,520	38,60060,920	30.46	KENT/KING
9/27/10	10:28 an	351,132	SOIL	74	SW-CONT SOIL	105,360	40,80064,560	32.28	KENT/KING
9/27/10	10:30 an	351,134	SOIL	74	SW-CONT SOIL	110,800	38,88071,920	35.96	KENT/KING
9/27/10	10:45 an	351,147	SOIL	74	SW-CONT SOIL	109,860	39,08070,780	35.39	KENT/KING
9/27/10	10:50 an	351,151	SOIL	74	SW-CONT SOIL	96,040	35,92060,120	30.06	KENT/KING
9/27/10	10:52 an	351,185	SOIL	74	SW-CONT SOIL	104,600	43,00061,600	30.80	KENT/KING
9/27/10	10:53 an	351,153	SOIL	74	SW-CONT SOIL	103,300	37,36065,940	32.97	KENT/KING
9/27/10	11:10 an	351,166	SOIL	74	SW-CONT SOIL	104,820	41,06063,760	31.88	KENT/KING
9/27/10	11:21 an	351,176	SOIL	74	SW-CONT SOIL	107,080	41,34065,740	32.87	KENT/KING
9/27/10	11:27 an	351,182	SOIL	74	SW-CONT SOIL	101,500	41,24060,260	30.13	KENT/KING
9/27/10	11:31 an	351,186	SOIL	74	SW-CONT SOIL	108,580	40,92067,660	33.83	KENT/KING
9/27/10	11:35 an	351,190	SOIL	74	SW-CONT SOIL	98,700	38,60060,100	30.05	KENT/KING
9/27/10	11:46 an	351,197	SOIL	74	SW-CONT SOIL	103,340	40,80062,540	31.27	KENT/KING
9/27/10	12:01 pn	351,210	SOIL	74	SW-CONT SOIL	105,720	38,88066,840	33.42	KENT/KING
9/27/10	12:19 pn	351,226	SOIL	74	SW-CONT SOIL	101,220	39,08062,140	31.07	KENT/KING
9/27/10	12:21 pn	351,228	SOIL	74	SW-CONT SOIL	92,100	37,36054,740	27.37	KENT/KING
9/27/10	12:23 pn	351,231	SOIL	74	SW-CONT SOIL	99,120	35,92063,200	31.60	KENT/KING

Activity By Job ID

Report period September 2010

REGIONAL DISPOSAL INTERMODAL

9/27/10	12:29 pm	351,243	SOIL	74	SW-CONT SOIL	109,680	41,16068,520	34.26	KENT/KING
9/27/10	12:31 pm	351,236	SOIL	74	SW-CONT SOIL	98,760	39,70059,060	29.53	KENT/KING
9/27/10	12:35 pm	351,235	SOIL	74	SW-CONT SOIL	107,580	41,06066,520	33.26	KENT/KING
9/27/10	12:40 pm	351,241	SOIL	74	SW-CONT SOIL	110,680	41,34069,340	34.67	KENT/KING
9/27/10	12:44 pm	351,265	SOIL	74	SW-CONT SOIL	108,100	40,56067,540	33.77	KENT/KING
9/27/10	12:52 pm	351,252	SOIL	74	SW-CONT SOIL	109,820	43,10066,720	33.36	KENT/KING
9/27/10	12:58 pm	351,260	SOIL	74	SW-CONT SOIL	117,420	41,06076,360	38.18	KENT/KING
9/27/10	1:04 pm	351,268	SOIL	74	SW-CONT SOIL	112,880	40,92071,960	35.98	KENT/KING
9/27/10	1:06 pm	351,270	SOIL	74	SW-CONT SOIL	91,840	38,60053,240	26.62	KENT/KING
9/27/10	1:35 pm	351,286	SOIL	74	SW-CONT SOIL	105,560	40,80064,760	32.38	KENT/KING
9/27/10	1:38 pm	351,304	SOIL	74	SW-CONT SOIL	91,500	35,54055,960	27.98	KENT/KING
9/27/10	1:41 pm	351,292	SOIL	74	SW-CONT SOIL	107,580	38,88068,700	34.35	KENT/KING
9/27/10	1:47 pm	351,301	SOIL	74	SW-CONT SOIL	106,920	39,08067,840	33.92	KENT/KING
9/27/10	1:52 pm	351,306	SOIL	74	SW-CONT SOIL	97,160	35,92061,240	30.62	KENT/KING
9/27/10	1:53 pm	351,308	SOIL	74	SW-CONT SOIL	99,140	37,36061,780	30.89	KENT/KING
9/27/10	2:06 pm	351,320	SOIL	74	SW-CONT SOIL	108,020	41,06066,960	33.48	KENT/KING
9/27/10	2:11 pm	351,324	SOIL	74	SW-CONT SOIL	105,560	41,34064,220	32.11	KENT/KING
9/27/10	2:13 pm	351,325	SOIL	74	SW-CONT SOIL	106,160	41,16065,000	32.50	KENT/KING
9/27/10	2:16 pm	351,347	SOIL	74	SW-CONT SOIL	104,440	40,22064,220	32.11	KENT/KING
9/27/10	2:19 pm	351,355	SOIL	74	SW-CONT SOIL	96,860	37,44059,420	29.71	KENT/KING
9/27/10	2:23 pm	351,358	SOIL	74	SW-CONT SOIL	103,600	40,78062,820	31.41	KENT/KING
9/27/10	2:28 pm	351,340	SOIL	74	SW-CONT SOIL	110,760	41,24069,520	34.76	KENT/KING
9/27/10	2:36 pm	351,346	SOIL	74	SW-CONT SOIL	107,100	40,92066,180	33.09	KENT/KING
9/27/10	2:43 pm	351,353	SOIL	74	SW-CONT SOIL	102,980	38,60064,380	32.19	KENT/KING
9/27/10	2:44 pm	351,354	SOIL	74	SW-CONT SOIL	112,420	43,10069,320	34.66	KENT/KING
9/27/10	2:54 pm	351,365	SOIL	74	SW-CONT SOIL	104,380	40,80063,580	31.79	KENT/KING
9/27/10	2:58 pm	351,369	SOIL	74	SW-CONT SOIL	109,200	38,88070,320	35.16	KENT/KING
9/27/10	3:17 pm	351,390	SOIL	74	SW-CONT SOIL	100,940	35,22065,720	32.86	KENT/KING
9/28/10	7:28 am	351,504	SOIL	74	SW-CONT SOIL	107,220	39,06068,160	34.08	KENT/KING

Activity By Job ID

Report period September 2010

REGIONAL DISPOSAL INTERMODAL

9/28/10	8:07 am	351,517	SOIL	74	SW-CONT SOIL	102,300	38,38063,920	31.96	KENT/KING
9/28/10	8:18 am	351,521	SOIL	74	SW-CONT SOIL	99,920	39,52060,400	30.20	KENT/KING
9/28/10	8:20 am	351,520	SOIL	74	SW-CONT SOIL	107,940	39,40068,540	34.27	KENT/KING
9/28/10	8:24 am	351,525	SOIL	74	SW-CONT SOIL	99,480	39,02060,460	30.23	KENT/KING
9/28/10	8:42 am	351,539	SOIL	74	SW-CONT SOIL	97,240	41,12056,120	28.06	KENT/KING
9/28/10	8:55 am	351,541	SOIL	74	SW-CONT SOIL	103,740	39,06064,680	32.34	KENT/KING
9/28/10	9:40 am	351,563	SOIL	74	SW-CONT SOIL	104,660	39,40065,260	32.63	KENT/KING
9/28/10	9:41 am	351,564	SOIL	74	SW-CONT SOIL	100,280	39,52060,760	30.38	KENT/KING
9/28/10	9:52 am	351,570	SOIL	74	SW-CONT SOIL	99,580	38,96060,620	30.31	KENT/KING
9/28/10	9:57 am	351,569	SOIL	74	SW-CONT SOIL	91,760	41,12050,640	25.32	KENT/KING
9/28/10	10:21 an	351,582	SOIL	74	SW-CONT SOIL	96,380	39,06057,320	28.66	KENT/KING
9/28/10	11:10 an	351,621	SOIL	74	SW-CONT SOIL	100,360	39,52060,840	30.42	KENT/KING
9/28/10	11:20 an	351,630	SOIL	74	SW-CONT SOIL	108,820	39,40069,420	34.71	KENT/KING
9/28/10	11:26 an	351,646	SOIL	74	SW-CONT SOIL	96,120	40,98055,140	27.57	KENT/KING
9/28/10	11:37 an	351,657	SOIL	74	SW-CONT SOIL	93,840	38,94054,900	27.45	KENT/KING
9/28/10	11:52 an	351,663	SOIL	74	SW-CONT SOIL	101,680	39,06062,620	31.31	KENT/KING
9/30/10	7:53 am	352,299	SOIL	74	SW-CONT SOIL	101,000	37,70063,300	31.65	KENT/KING
9/30/10	7:55 am	352,300	SOIL	74	SW-CONT SOIL	102,460	39,58062,880	31.44	KENT/KING
9/30/10	8:16 am	352,306	SOIL	74	SW-CONT SOIL	102,920	38,12064,800	32.40	KENT/KING
9/30/10	8:21 am	352,312	SOIL	74	SW-CONT SOIL	109,000	39,24069,760	34.88	KENT/KING
9/30/10	9:20 am	352,326	SOIL	74	SW-CONT SOIL	107,400	37,70069,700	34.85	KENT/KING
9/30/10	9:22 am	352,329	SOIL	74	SW-CONT SOIL	100,360	39,58060,780	30.39	KENT/KING
9/30/10	9:34 am	352,338	SOIL	74	SW-CONT SOIL	105,500	38,12067,380	33.69	KENT/KING
9/30/10	9:44 am	352,343	SOIL	74	SW-CONT SOIL	101,240	39,24062,000	31.00	KENT/KING
9/30/10	10:35 an	352,374	SOIL	74	SW-CONT SOIL	107,940	37,70070,240	35.12	KENT/KING
9/30/10	10:37 an	352,378	SOIL	74	SW-CONT SOIL	99,160	39,58059,580	29.79	KENT/KING
9/30/10	10:55 an	352,395	SOIL	74	SW-CONT SOIL	104,640	39,24065,400	32.70	KENT/KING
9/30/10	11:08 an	352,400	SOIL	74	SW-CONT SOIL	107,300	38,12069,180	34.59	KENT/KING
9/30/10	11:10 an	352,478	SOIL	74	SW-CONT SOIL	102,380	38,40063,980	31.99	KENT/KING

Activity By Job ID

Report period September 2010

REGIONAL DISPOSAL INTERMODAL

9/30/10	11:52 an	352,442	SOIL	74	SW-CONT SOIL	100,240	37,700	62,540	31.27	KENT/KING
9/30/10	11:56 an	352,448	SOIL	74	SW-CONT SOIL	92,420	39,580	52,840	26.42	KENT/KING
9/30/10	12:07 pn	352,455	SOIL	74	SW-CONT SOIL	99,400	39,240	60,160	30.08	KENT/KING
9/30/10	12:23 pn	352,472	SOIL	74	SW-CONT SOIL	108,620	38,120	70,500	35.25	KENT/KING
9/30/10	12:27 pn	352,477	SOIL	74	SW-CONT SOIL	102,420	38,400	64,020	32.01	KENT/KING
9/30/10	1:08 pm	352,504	SOIL	74	SW-CONT SOIL	100,980	37,700	63,280	31.64	KENT/KING
9/30/10	1:13 pm	352,508	SOIL	74	SW-CONT SOIL	100,820	39,580	61,240	30.62	KENT/KING
9/30/10	1:17 pm	352,517	SOIL	74	SW-CONT SOIL	104,120	39,140	64,980	32.49	KENT/KING
9/30/10	1:21 pm	352,512	SOIL	74	SW-CONT SOIL	102,100	39,240	62,860	31.43	KENT/KING
9/30/10	1:39 pm	352,524	SOIL	74	SW-CONT SOIL	101,100	38,400	62,700	31.35	KENT/KING
9/30/10	1:47 pm	352,534	SOIL	74	SW-CONT SOIL	103,920	38,120	65,800	32.90	KENT/KING
9/30/10	2:31 pm	352,560	SOIL	74	SW-CONT SOIL	100,820	37,700	63,120	31.56	KENT/KING
9/30/10	2:43 pm	352,567	SOIL	74	SW-CONT SOIL	103,180	39,240	63,940	31.97	KENT/KING
9/30/10	2:47 pm	352,569	SOIL	74	SW-CONT SOIL	100,080	39,580	60,500	30.25	KENT/KING
9/30/10	2:54 pm	352,577	SOIL	74	SW-CONT SOIL	101,180	39,140	62,040	31.02	KENT/KING
9/30/10	3:05 pm	352,584	SOIL	74	SW-CONT SOIL	103,780	38,400	65,380	32.69	KENT/KING
9/30/10	3:18 pm	352,593	SOIL	74	SW-CONT SOIL	106,920	38,120	68,800	34.40	KENT/KING
9/30/10	3:29 pm	352,614	SOIL	74	SW-CONT SOIL	106,200	42,720	63,480	31.74	KENT/KING
9/30/10	3:34 pm	352,617	SOIL	74	SW-CONT SOIL	108,740	39,120	69,620	34.81	KENT/KING
9/30/10	3:36 pm	352,618	SOIL	74	SW-CONT SOIL	108,920	38,420	70,500	35.25	KENT/KING
9/30/10	3:39 pm	352,625	SOIL	74	SW-CONT SOIL	94,580	37,200	57,380	28.69	KENT/KING
9/30/10	3:53 pm	352,626	SOIL	74	SW-CONT SOIL	98,660	38,840	59,820	29.91	KENT/KING
9/30/10	3:54 pm	352,631	SOIL	74	SW-CONT SOIL	106,240	40,420	65,820	32.91	KENT/KING
9/30/10	4:08 pm	352,637	SOIL	74	SW-CONT SOIL	99,320	35,460	63,860	31.93	KENT/KING
10/1/10	7:35 am	352,765	SOIL	74	SW-CONT SOIL	102,560	39,220	63,340	31.67	KENT/KING
10/1/10	7:45 am	352,767	SOIL	74	SW-CONT SOIL	91,020	40,080	50,940	25.47	KENT/KING
10/1/10	8:06 am	352,772	SOIL	74	SW-CONT SOIL	84,900	39,000	45,900	22.95	KENT/KING
10/1/10	8:09 am	352,773	SOIL	74	SW-CONT SOIL	104,080	42,940	61,140	30.57	KENT/KING
10/1/10	9:01 am	352,788	SOIL	74	SW-CONT SOIL	100,120	39,220	60,900	30.45	KENT/KING

Activity By Job ID

Report period October 2010

REGIONAL DISPOSAL INTERMODAL

10/1/10	9:02 am	352,790	SOIL	74	SW-CONT SOIL	93,220	40,08053,140	26.57 KENT/KING
10/1/10	9:16 am	352,792	SOIL	74	SW-CONT SOIL	90,800	39,00051,800	25.90 KENT/KING
10/1/10	9:20 am	352,794	SOIL	74	SW-CONT SOIL	100,980	42,94058,040	29.02 KENT/KING
10/1/10	10:06 an	352,813	SOIL	74	SW-CONT SOIL	101,820	39,22062,600	31.30 KENT/KING
10/1/10	10:12 an	352,819	SOIL	74	SW-CONT SOIL	102,140	40,08062,060	31.03 KENT/KING
10/1/10	10:43 an	352,840	SOIL	74	SW-CONT SOIL	79,320	39,00040,320	20.16 KENT/KING
10/1/10	10:53 an	352,849	SOIL	74	SW-CONT SOIL	100,640	42,94057,700	28.85 KENT/KING
10/1/10	11:26 an	352,871	SOIL	74	SW-CONT SOIL	105,340	39,22066,120	33.06 KENT/KING
10/1/10	11:36 an	352,877	SOIL	74	SW-CONT SOIL	100,660	40,08060,580	30.29 KENT/KING
10/1/10	12:53 pn	352,929	SOIL	74	SW-CONT SOIL	102,460	39,22063,240	31.62 KENT/KING
10/5/10	3:22 pm	353,900	SOIL	74	SW-CONT SOIL	103,680	40,12063,560	31.78 KENT/KING
10/6/10	7:35 am	354,069	SOIL	74	SW-CONT SOIL	101,440	39,60061,840	30.92 KENT/KING
10/6/10	7:47 am	354,072	SOIL	74	SW-CONT SOIL	98,780	38,76060,020	30.01 KENT/KING
10/6/10	8:02 am	354,076	SOIL	74	SW-CONT SOIL	95,140	39,44055,700	27.85 KENT/KING
10/6/10	9:35 am	354,104	SOIL	74	SW-CONT SOIL	98,680	38,76059,920	29.96 KENT/KING
10/6/10	10:53 an	354,155	SOIL	74	SW-CONT SOIL	103,520	38,76064,760	32.38 KENT/KING
10/6/10	11:53 an	354,223	SOIL	74	SW-CONT SOIL	99,900	38,20061,700	30.85 KENT/KING
10/6/10	11:55 an	354,230	SOIL	74	SW-CONT SOIL	99,660	35,68063,980	31.99 KENT/KING
10/6/10	11:57 an	354,237	SOIL	74	SW-CONT SOIL	104,220	39,74064,480	32.24 KENT/KING
10/6/10	11:59 an	354,240	SOIL	74	SW-CONT SOIL	97,480	39,32058,160	29.08 KENT/KING
10/6/10	12:06 pn	354,225	SOIL	74	SW-CONT SOIL	101,900	38,76063,140	31.57 KENT/KING
10/6/10	1:21 pm	354,281	SOIL	74	SW-CONT SOIL	96,320	35,62060,700	30.35 KENT/KING
10/6/10	2:49 pm	354,322	SOIL	74	SW-CONT SOIL	94,500	35,58058,920	29.46 KENT/KING
10/13/10	7:25 at	356,146	SOIL	74	SW-CONT SOIL	103,980	38,56065,420	32.71 KENT/KING
10/13/10	7:39 at	356,152	SOIL	74	SW-CONT SOIL	96,260	39,16057,100	28.55 KENT/KING
10/13/10	8:04 at	356,167	SOIL	74	SW-CONT SOIL	100,320	42,08058,240	29.12 KENT/KING
10/13/10	8:28 at	356,176	SOIL	74	SW-CONT SOIL	103,860	41,44062,420	31.21 KENT/KING
10/13/10	8:53 at	356,179	SOIL	74	SW-CONT SOIL	102,720	39,16063,560	31.78 KENT/KING
10/13/10	9:06 at	356,194	SOIL	74	SW-CONT SOIL	100,560	43,42057,140	28.57 KENT/KING

Activity By Job ID

Report period October 2010

REGIONAL DISPOSAL INTERMODAL

10/13/10	9:43 a	356,200	SOIL	74	SW-CONT SOIL	115,420	42,08073,340	36.67	KENT/KING
10/13/10	9:59 a	356,210	SOIL	74	SW-CONT SOIL	108,180	41,44066,740	33.37	KENT/KING
10/13/10	10:20 a	356,238	SOIL	74	SW-CONT SOIL	105,480	41,32064,160	32.08	KENT/KING
10/13/10	10:33 a	356,244	SOIL	74	SW-CONT SOIL	110,360	40,94069,420	34.71	KENT/KING
10/13/10	10:34 a	356,245	SOIL	74	SW-CONT SOIL	116,620	40,22076,400	38.20	KENT/KING
10/13/10	10:37 a	356,246	SOIL	74	SW-CONT SOIL	100,040	36,26063,780	31.89	KENT/KING
10/13/10	10:55 a	356,251	SOIL	74	SW-CONT SOIL	107,120	42,08065,040	32.52	KENT/KING
10/13/10	11:20 a	356,307	SOIL	74	SW-CONT SOIL	107,920	42,92065,000	32.50	KENT/KING
10/13/10	11:26 a	356,272	SOIL	74	SW-CONT SOIL	111,220	41,44069,780	34.89	KENT/KING
10/13/10	11:31 a	356,311	SOIL	74	SW-CONT SOIL	107,160	42,94064,220	32.11	KENT/KING
10/13/10	11:52 a	356,297	SOIL	74	SW-CONT SOIL	109,980	43,42066,560	33.28	KENT/KING
10/13/10	12:00 p	356,304	SOIL	74	SW-CONT SOIL	107,940	40,94067,000	33.50	KENT/KING
10/13/10	12:03 p	356,308	SOIL	74	SW-CONT SOIL	105,300	40,22065,080	32.54	KENT/KING
10/13/10	12:05 p	356,310	SOIL	74	SW-CONT SOIL	96,760	36,26060,500	30.25	KENT/KING
10/13/10	12:15 p	356,321	SOIL	74	SW-CONT SOIL	102,120	42,08060,040	30.02	KENT/KING
10/13/10	12:41 p	356,345	SOIL	74	SW-CONT SOIL	107,500	40,84066,660	33.33	KENT/KING
10/13/10	12:43 p	356,341	SOIL	74	SW-CONT SOIL	112,000	41,44070,560	35.28	KENT/KING
10/13/10	1:04 pi	356,356	SOIL	74	SW-CONT SOIL	110,720	43,42067,300	33.65	KENT/KING
10/13/10	1:06 pi	356,359	SOIL	74	SW-CONT SOIL	101,240	43,24058,000	29.00	KENT/KING
10/13/10	1:08 pi	356,362	SOIL	74	SW-CONT SOIL	99,720	42,94056,780	28.39	KENT/KING
10/13/10	1:11 pi	356,365	SOIL	74	SW-CONT SOIL	102,300	40,22062,080	31.04	KENT/KING
10/13/10	1:13 pi	356,367	SOIL	74	SW-CONT SOIL	101,080	40,94060,140	30.07	KENT/KING
10/13/10	1:16 pi	356,370	SOIL	74	SW-CONT SOIL	93,460	36,26057,200	28.60	KENT/KING
10/13/10	1:30 pi	356,381	SOIL	74	SW-CONT SOIL	100,920	42,08058,840	29.42	KENT/KING
10/13/10	1:49 pi	356,389	SOIL	74	SW-CONT SOIL	100,900	40,66060,240	30.12	KENT/KING
10/13/10	2:07 pi	356,401	SOIL	74	SW-CONT SOIL	111,080	41,44069,640	34.82	KENT/KING
10/13/10	2:14 pi	356,403	SOIL	74	SW-CONT SOIL	103,200	43,42059,780	29.89	KENT/KING
10/13/10	2:16 pi	356,406	SOIL	74	SW-CONT SOIL	106,820	40,22066,600	33.30	KENT/KING
10/13/10	2:25 pi	356,414	SOIL	74	SW-CONT SOIL	102,660	40,94061,720	30.86	KENT/KING

Activity By Job ID

Report period October 2010

REGIONAL DISPOSAL INTERMODAL

10/13/10	2:34 pi	356,420	SOIL	74	SW-CONT SOIL	102,360	36,26066,100	33.05	KENT/KING
10/13/10	2:40 pi	356,428	SOIL	74	SW-CONT SOIL	104,340	43,24061,100	30.55	KENT/KING
10/13/10	2:42 pi	356,429	SOIL	74	SW-CONT SOIL	107,240	42,94064,300	32.15	KENT/KING
10/13/10	2:44 pi	356,432	SOIL	74	SW-CONT SOIL	107,000	42,08064,920	32.46	KENT/KING
10/14/10	7:46 ai	356,570	SOIL	74	SW-CONT SOIL	100,260	38,28061,980	30.99	KENT/KING
10/14/10	8:04 ai	356,582	SOIL	74	SW-CONT SOIL	99,640	40,90058,740	29.37	KENT/KING
10/14/10	8:06 ai	356,576	SOIL	74	SW-CONT SOIL	102,780	39,06063,720	31.86	KENT/KING
10/14/10	8:11 ai	356,586	SOIL	74	SW-CONT SOIL	101,080	41,06060,020	30.01	KENT/KING
10/14/10	8:13 ai	356,589	SOIL	74	SW-CONT SOIL	101,660	40,74060,920	30.46	KENT/KING
10/14/10	8:28 ai	356,598	SOIL	74	SW-CONT SOIL	97,200	40,96056,240	28.12	KENT/KING
10/14/10	8:38 ai	356,600	SOIL	74	SW-CONT SOIL	106,120	40,90065,220	32.61	KENT/KING
10/14/10	8:45 ai	356,603	SOIL	74	SW-CONT SOIL	101,360	41,06060,300	30.15	KENT/KING
10/14/10	8:55 ai	356,605	SOIL	74	SW-CONT SOIL	94,160	35,82058,340	29.17	KENT/KING
10/14/10	8:56 ai	356,612	SOIL	74	SW-CONT SOIL	110,040	41,18068,860	34.43	KENT/KING
10/14/10	8:59 ai	356,602	SOIL	74	SW-CONT SOIL	108,780	39,06069,720	34.86	KENT/KING
10/14/10	9:02 ai	356,618	SOIL	74	SW-CONT SOIL	99,640	40,78058,860	29.43	KENT/KING
10/14/10	9:07 ai	356,608	SOIL	74	SW-CONT SOIL	109,720	38,28071,440	35.72	KENT/KING
10/14/10	9:34 ai	356,626	SOIL	74	SW-CONT SOIL	105,920	41,06064,860	32.43	KENT/KING
10/14/10	9:36 ai	356,627	SOIL	74	SW-CONT SOIL	104,880	40,74064,140	32.07	KENT/KING
10/14/10	10:00 a	356,639	SOIL	74	SW-CONT SOIL	115,160	40,90074,260	37.13	KENT/KING
10/14/10	10:07 a	356,645	SOIL	74	SW-CONT SOIL	106,360	41,06065,300	32.65	KENT/KING
10/14/10	10:17 a	356,652	SOIL	74	SW-CONT SOIL	101,400	35,82065,580	32.79	KENT/KING
10/14/10	10:23 a	356,656	SOIL	74	SW-CONT SOIL	105,700	41,18064,520	32.26	KENT/KING
10/14/10	10:27 a	356,662	SOIL	74	SW-CONT SOIL	109,880	39,06070,820	35.41	KENT/KING
10/14/10	10:32 a	356,667	SOIL	74	SW-CONT SOIL	112,320	40,78071,540	35.77	KENT/KING
10/14/10	10:44 a	356,677	SOIL	74	SW-CONT SOIL	107,480	41,06066,420	33.21	KENT/KING
10/14/10	11:15 a	356,704	SOIL	74	SW-CONT SOIL	107,440	40,90066,540	33.27	KENT/KING
10/14/10	11:25 a	356,714	SOIL	74	SW-CONT SOIL	107,180	41,06066,120	33.06	KENT/KING
10/14/10	11:31 a	356,721	SOIL	74	SW-CONT SOIL	96,540	35,82060,720	30.36	KENT/KING

Activity By Job ID

Report period October 2010

REGIONAL DISPOSAL INTERMODAL

10/14/10	11:42 a	356,734	SOIL	74	SW-CONT SOIL	104,960	41,18063,780	31.89	KENT/KING
10/14/10	11:46 a	356,736	SOIL	74	SW-CONT SOIL	109,860	39,06070,800	35.40	KENT/KING
10/14/10	11:47 a	356,738	SOIL	74	SW-CONT SOIL	105,460	40,78064,680	32.34	KENT/KING
10/14/10	11:54 a	356,744	SOIL	74	SW-CONT SOIL	105,980	41,06064,920	32.46	KENT/KING
10/14/10	12:06 p	356,758	SOIL	74	SW-CONT SOIL	113,960	40,74073,220	36.61	KENT/KING
10/14/10	12:26 p	356,772	SOIL	74	SW-CONT SOIL	106,360	40,90065,460	32.73	KENT/KING
10/14/10	12:34 p	356,778	SOIL	74	SW-CONT SOIL	95,820	41,06054,760	27.38	KENT/KING
10/14/10	12:39 p	356,784	SOIL	74	SW-CONT SOIL	95,720	35,82059,900	29.95	KENT/KING
10/14/10	12:44 p	356,797	SOIL	74	SW-CONT SOIL	94,580	38,90055,680	27.84	KENT/KING
10/14/10	12:51 p	356,792	SOIL	74	SW-CONT SOIL	104,200	41,18063,020	31.51	KENT/KING
10/14/10	1:05 pı	356,805	SOIL	74	SW-CONT SOIL	104,200	39,06065,140	32.57	KENT/KING
10/14/10	1:08 pı	356,809	SOIL	74	SW-CONT SOIL	105,160	40,78064,380	32.19	KENT/KING
10/14/10	1:15 pı	356,813	SOIL	74	SW-CONT SOIL	102,440	41,06061,380	30.69	KENT/KING
10/14/10	1:27 pı	356,822	SOIL	74	SW-CONT SOIL	107,260	40,74066,520	33.26	KENT/KING
10/14/10	1:36 pı	356,829	SOIL	74	SW-CONT SOIL	102,620	40,90061,720	30.86	KENT/KING
10/14/10	1:46 pı	356,838	SOIL	74	SW-CONT SOIL	106,840	41,06065,780	32.89	KENT/KING
10/14/10	1:54 pı	356,842	SOIL	74	SW-CONT SOIL	103,940	35,82068,120	34.06	KENT/KING
10/14/10	2:02 pı	356,851	SOIL	74	SW-CONT SOIL	110,660	41,18069,480	34.74	KENT/KING
10/14/10	2:17 pı	356,863	SOIL	74	SW-CONT SOIL	107,520	40,78066,740	33.37	KENT/KING
10/14/10	2:19 pı	356,864	SOIL	74	SW-CONT SOIL	106,920	39,06067,860	33.93	KENT/KING
10/14/10	2:29 pı	356,870	SOIL	74	SW-CONT SOIL	106,620	41,06065,560	32.78	KENT/KING
10/14/10	2:34 pı	356,877	SOIL	74	SW-CONT SOIL	112,380	40,74071,640	35.82	KENT/KING
10/14/10	2:54 pı	356,890	SOIL	74	SW-CONT SOIL	108,760	40,90067,860	33.93	KENT/KING
10/14/10	3:00 pı	356,895	SOIL	74	SW-CONT SOIL	110,620	41,06069,560	34.78	KENT/KING
10/14/10	3:04 pı	356,899	SOIL	74	SW-CONT SOIL	94,980	35,82059,160	29.58	KENT/KING
10/15/10	7:21 aı	357,019	SOIL	74	SW-CONT SOIL	98,820	40,24058,580	29.29	KENT/KING
10/15/10	7:33 aı	357,024	SOIL	74	SW-CONT SOIL	83,900	38,74045,160	22.58	KENT/KING
10/15/10	7:36 aı	357,026	SOIL	74	SW-CONT SOIL	111,960	39,22072,740	36.37	KENT/KING
10/15/10	7:38 aı	357,030	SOIL	74	SW-CONT SOIL	112,880	38,20074,680	37.34	KENT/KING

Activity By Job ID

Report period October 2010

REGIONAL DISPOSAL INTERMODAL

10/15/10	7:47 a	357,032	SOIL	74	SW-CONT SOIL	108,580	41,48067,100	33.55	KENT/KING
10/15/10	8:06 a	357,038	SOIL	74	SW-CONT SOIL	99,680	41,12058,560	29.28	KENT/KING
10/15/10	8:07 a	357,040	SOIL	74	SW-CONT SOIL	101,400	41,22060,180	30.09	KENT/KING
10/15/10	8:20 a	357,049	SOIL	74	SW-CONT SOIL	99,440	41,26058,180	29.09	KENT/KING
10/15/10	8:29 a	357,048	SOIL	74	SW-CONT SOIL	105,400	40,24065,160	32.58	KENT/KING
10/15/10	8:44 a	357,057	SOIL	74	SW-CONT SOIL	110,300	40,90069,400	34.70	KENT/KING
10/15/10	8:50 a	357,060	SOIL	74	SW-CONT SOIL	103,140	39,20063,940	31.97	KENT/KING
10/15/10	8:55 a	357,062	SOIL	74	SW-CONT SOIL	105,260	38,20067,060	33.53	KENT/KING
10/15/10	8:57 a	357,063	SOIL	74	SW-CONT SOIL	94,720	38,74055,980	27.99	KENT/KING
10/15/10	9:12 a	357,071	SOIL	74	SW-CONT SOIL	105,640	41,12064,520	32.26	KENT/KING
10/15/10	9:15 a	357,073	SOIL	74	SW-CONT SOIL	100,080	41,22058,860	29.43	KENT/KING
10/15/10	9:33 a	357,080	SOIL	74	SW-CONT SOIL	108,480	41,26067,220	33.61	KENT/KING
10/15/10	9:36 a	357,082	SOIL	74	SW-CONT SOIL	101,320	40,24061,080	30.54	KENT/KING
10/15/10	9:55 a	357,097	SOIL	74	SW-CONT SOIL	100,740	40,90059,840	29.92	KENT/KING
10/15/10	10:06 a	357,108	SOIL	74	SW-CONT SOIL	96,820	39,22057,600	28.80	KENT/KING
10/15/10	10:12 a	357,111	SOIL	74	SW-CONT SOIL	99,720	38,20061,520	30.76	KENT/KING
10/15/10	10:14 a	357,113	SOIL	74	SW-CONT SOIL	98,340	38,74059,600	29.80	KENT/KING
10/15/10	10:26 a	357,122	SOIL	74	SW-CONT SOIL	97,060	41,48055,580	27.79	KENT/KING
10/15/10	10:28 a	357,124	SOIL	74	SW-CONT SOIL	97,340	41,12056,220	28.11	KENT/KING
10/15/10	10:33 a	357,133	SOIL	74	SW-CONT SOIL	108,620	38,52070,100	35.05	KENT/KING
10/15/10	10:34 a	357,127	SOIL	74	SW-CONT SOIL	104,460	41,22063,240	31.62	KENT/KING
10/15/10	10:49 a	357,139	SOIL	74	SW-CONT SOIL	102,140	41,26060,880	30.44	KENT/KING
10/15/10	10:55 a	357,142	SOIL	74	SW-CONT SOIL	105,080	40,24064,840	32.42	KENT/KING
10/15/10	11:23 a	357,163	SOIL	74	SW-CONT SOIL	108,560	40,90067,660	33.83	KENT/KING
10/15/10	11:28 a	357,167	SOIL	74	SW-CONT SOIL	104,100	39,22064,880	32.44	KENT/KING
10/15/10	11:31 a	357,170	SOIL	74	SW-CONT SOIL	107,000	38,20068,800	34.40	KENT/KING
10/15/10	11:37 a	357,176	SOIL	74	SW-CONT SOIL	93,920	38,74055,180	27.59	KENT/KING
10/15/10	11:47 a	357,186	SOIL	74	SW-CONT SOIL	107,780	41,12066,660	33.33	KENT/KING
10/15/10	11:48 a	357,188	SOIL	74	SW-CONT SOIL	103,140	41,48061,660	30.83	KENT/KING

Activity By Job ID

Report period October 2010

REGIONAL DISPOSAL INTERMODAL

10/15/10	12:00 p	357,198	SOIL	74	SW-CONT SOIL	107,540	38,52069,020	34.51	KENT/KING
10/15/10	12:05 p	357,202	SOIL	74	SW-CONT SOIL	102,740	41,22061,520	30.76	KENT/KING
10/15/10	12:17 p	357,214	SOIL	74	SW-CONT SOIL	105,800	41,26064,540	32.27	KENT/KING
10/15/10	12:19 p	357,228	SOIL	74	SW-CONT SOIL	100,700	35,68065,020	32.51	KENT/KING
10/15/10	12:22 p	357,221	SOIL	74	SW-CONT SOIL	107,960	40,24067,720	33.86	KENT/KING
10/15/10	12:35 p	357,233	SOIL	74	SW-CONT SOIL	105,960	40,90065,060	32.53	KENT/KING
10/15/10	12:40 p	357,235	SOIL	74	SW-CONT SOIL	95,740	39,22056,520	28.26	KENT/KING
10/15/10	12:46 p	357,247	SOIL	74	SW-CONT SOIL	97,660	39,14058,520	29.26	KENT/KING
10/15/10	12:48 p	357,240	SOIL	74	SW-CONT SOIL	102,840	38,20064,640	32.32	KENT/KING
10/15/10	12:52 p	357,250	SOIL	74	SW-CONT SOIL	92,080	38,60053,480	26.74	KENT/KING
10/15/10	12:53 p	357,248	SOIL	74	SW-CONT SOIL	105,640	38,74066,900	33.45	KENT/KING
10/15/10	1:00 pı	357,251	SOIL	74	SW-CONT SOIL	104,540	41,12063,420	31.71	KENT/KING
10/15/10	1:03 pı	357,253	SOIL	74	SW-CONT SOIL	96,680	41,48055,200	27.60	KENT/KING
10/15/10	1:11 pı	357,260	SOIL	74	SW-CONT SOIL	114,160	38,52075,640	37.82	KENT/KING
10/15/10	1:16 pı	357,264	SOIL	74	SW-CONT SOIL	108,160	41,22066,940	33.47	KENT/KING
10/15/10	1:23 pı	357,269	SOIL	74	SW-CONT SOIL	100,640	41,26059,380	29.69	KENT/KING
10/15/10	1:31 pı	357,271	SOIL	74	SW-CONT SOIL	94,620	35,68058,940	29.47	KENT/KING
10/15/10	1:40 pı	357,277	SOIL	74	SW-CONT SOIL	101,840	40,24061,600	30.80	KENT/KING
10/15/10	1:45 pı	357,280	SOIL	74	SW-CONT SOIL	107,120	40,90066,220	33.11	KENT/KING
10/15/10	1:47 pı	357,281	SOIL	74	SW-CONT SOIL	104,680	39,22065,460	32.73	KENT/KING
10/15/10	1:56 pı	357,287	SOIL	74	SW-CONT SOIL	101,940	38,20063,740	31.87	KENT/KING
10/15/10	1:57 pı	357,289	SOIL	74	SW-CONT SOIL	94,960	39,14055,820	27.91	KENT/KING
10/15/10	2:06 pı	357,294	SOIL	74	SW-CONT SOIL	94,500	38,60055,900	27.95	KENT/KING
10/15/10	2:08 pı	357,296	SOIL	74	SW-CONT SOIL	93,260	41,12052,140	26.07	KENT/KING
10/15/10	2:09 pı	357,298	SOIL	74	SW-CONT SOIL	93,980	38,74055,240	27.62	KENT/KING
10/15/10	2:14 pı	357,304	SOIL	74	SW-CONT SOIL	102,060	41,48060,580	30.29	KENT/KING
10/15/10	2:20 pı	357,308	SOIL	74	SW-CONT SOIL	97,960	41,22056,740	28.37	KENT/KING
10/15/10	2:24 pı	357,309	SOIL	74	SW-CONT SOIL	101,400	38,52062,880	31.44	KENT/KING
10/15/10	2:31 pı	357,312	SOIL	74	SW-CONT SOIL	97,900	41,26056,640	28.32	KENT/KING

Activity By Job ID

Report period October 2010

REGIONAL DISPOSAL INTERMODAL

10/15/10	2:36 pı	357,315	SOIL	74	SW-CONT SOIL	100,800	35,68065,120	32.56	KENT/KING
10/15/10	3:04 pı	357,332	SOIL	74	SW-CONT SOIL	105,020	40,90064,120	32.06	KENT/KING
10/15/10	3:14 pı	357,337	SOIL	74	SW-CONT SOIL	104,680	39,22065,460	32.73	KENT/KING
10/15/10	3:19 pı	357,342	SOIL	74	SW-CONT SOIL	96,860	39,14057,720	28.86	KENT/KING
10/18/10	7:39 aı	357,554	SOIL	74	SW-CONT SOIL	90,720	36,08054,640	27.32	KENT/KING
10/18/10	8:12 aı	357,575	SOIL	74	SW-CONT SOIL	99,620	40,92058,700	29.35	KENT/KING
10/18/10	8:16 aı	357,576	SOIL	74	SW-CONT SOIL	100,860	41,10059,760	29.88	KENT/KING
10/18/10	8:23 aı	357,581	SOIL	74	SW-CONT SOIL	97,260	40,86056,400	28.20	KENT/KING
10/18/10	8:49 aı	357,590	SOIL	74	SW-CONT SOIL	90,200	36,08054,120	27.06	KENT/KING
10/18/10	9:32 aı	357,613	SOIL	74	SW-CONT SOIL	100,280	40,92059,360	29.68	KENT/KING
10/18/10	9:40 aı	357,617	SOIL	74	SW-CONT SOIL	94,580	41,10053,480	26.74	KENT/KING
10/18/10	9:46 aı	357,621	SOIL	74	SW-CONT SOIL	104,080	40,86063,220	31.61	KENT/KING
10/18/10	9:56 aı	357,626	SOIL	74	SW-CONT SOIL	91,620	36,08055,540	27.77	KENT/KING
10/18/10	10:39 a	357,648	SOIL	74	SW-CONT SOIL	105,860	40,92064,940	32.47	KENT/KING
10/18/10	10:51 a	357,656	SOIL	74	SW-CONT SOIL	103,040	41,10061,940	30.97	KENT/KING
10/18/10	11:11 a	357,677	SOIL	74	SW-CONT SOIL	106,560	40,86065,700	32.85	KENT/KING
10/18/10	11:12 a	357,679	SOIL	74	SW-CONT SOIL	99,220	36,08063,140	31.57	KENT/KING
10/18/10	12:18 p	357,729	SOIL	74	SW-CONT SOIL	102,060	40,86061,200	30.60	KENT/KING
10/18/10	12:27 p	357,736	SOIL	74	SW-CONT SOIL	101,600	36,08065,520	32.76	KENT/KING
10/18/10	1:31 pı	357,776	SOIL	74	SW-CONT SOIL	106,040	40,86065,180	32.59	KENT/KING
10/18/10	1:38 pı	357,784	SOIL	74	SW-CONT SOIL	95,880	36,08059,800	29.90	KENT/KING
10/18/10	2:51 pı	357,827	SOIL	74	SW-CONT SOIL	102,080	36,08066,000	33.00	KENT/KING
10/19/10	8:03 aı	357,991	SOIL	74	SW-CONT SOIL	103,460	38,92064,540	32.27	KENT/KING
10/19/10	10:30 a	358,053	SOIL	74	SW-CONT SOIL	106,480	38,86067,620	33.81	KENT/KING
10/19/10	12:19 p	358,135	SOIL	74	SW-CONT SOIL	106,640	39,02067,620	33.81	KENT/KING
10/19/10	1:36 pı	358,190	SOIL	74	SW-CONT SOIL	112,100	38,62073,480	36.74	KENT/KING
10/20/10	8:10 aı	358,357	SOIL	74	SW-CONT SOIL	95,400	38,90056,500	28.25	KENT/KING
10/20/10	9:39 aı	358,403	SOIL	74	SW-CONT SOIL	101,800	38,92062,880	31.44	KENT/KING
10/20/10	11:02 a	358,458	SOIL	74	SW-CONT SOIL	108,700	38,90069,800	34.90	KENT/KING

Activity By Job ID

Report period October 2010

REGIONAL DISPOSAL INTERMODAL

10/20/10	12:20 p	358,529	SOIL	74	SW-CONT SOIL	108,400	39,06069,340	34.67 KENT/KING
10/20/10	1:50 pi	358,579	SOIL	74	SW-CONT SOIL	106,440	38,74067,700	33.85 KENT/KING
10/20/10	3:29 pi	358,636	SOIL	74	SW-CONT SOIL	114,240	38,50075,740	37.87 KENT/KING
10/21/10	8:10 ai	358,774	SOIL	74	SW-CONT SOIL	110,700	38,94071,760	35.88 KENT/KING
10/21/10	9:42 ai	358,816	SOIL	74	SW-CONT SOIL	101,360	38,96062,400	31.20 KENT/KING
10/21/10	11:13 a	358,893	SOIL	74	SW-CONT SOIL	103,700	38,88064,820	32.41 KENT/KING
10/21/10	12:45 p	358,953	SOIL	74	SW-CONT SOIL	101,820	39,06062,760	31.38 KENT/KING
10/21/10	2:08 pi	359,013	SOIL	74	SW-CONT SOIL	97,060	38,52058,540	29.27 KENT/KING
11/3/10	8:30 am	362,274	SOIL	74	SW-CONT SOIL	51,800	25,70026,100	13.05 KENT/KING
11/3/10	10:04 an	362,303	SOIL	74	SW-CONT SOIL	54,080	25,36028,720	14.36 KENT/KING
11/3/10	11:22 an	362,355	SOIL	74	SW-CONT SOIL	58,720	25,32033,400	16.70 KENT/KING
11/3/10	12:38 pn	362,418	SOIL	74	SW-CONT SOIL	56,420	25,58030,840	15.42 KENT/KING
11/3/10	1:49 pm	362,456	SOIL	74	SW-CONT SOIL	53,800	25,52028,280	14.14 KENT/KING
11/12/10	3:37 pi	365,331	SOIL	74	SW-CONT SOIL	71,620	27,86043,760	21.88 KENT/KING

Total For Job **LW-10343** **708** Loads **22397.82** TN

Activity By Job ID

Report period November 2010

REGIONAL DISPOSAL INTERMODAL

Grand Total	709 ~~708~~ Loads	~~22397.82~~ TN

22,424.53 TN

APPENDIX I
AIR MONITORING ANALYTICAL RESULTS

COMPLETION AND COMPLIANCE MONITORING REPORT
Slag Disposal, Beckwith Property Site
South 218th Street and 90th Avenue South
Kent, Washington

Farallon PN: 831-022

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

August 30, 2010

LABORATORY REPORT

Client:
Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Attn: Amy Essig Desai

Work Order:	PTH1272
Project Name:	EMJ Slag; 831022
Project Number:	Jorgenson Slag / 831-022
Date Received:	08/23/10
Final Report:	08/30/10 16:10

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE:

SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.
HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
COMMENTS: No significant observations were made.
SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Denise Harrington
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Amy Essig Desai

Work Order: PTH1272
Project: EMJ Slag; 831022
Project Number: Jorgenson Slag / 831-022

Received: 08/23/10
Reported: 08/30/10 16:10

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
EMJS-PA-082010-001	PTH1272-01	08/20/10	PVC Filter, 5 micron, 37-mm Pre-weighed; 3-piece.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Amy Essig Desai

Work Order: PTH1272
Project: EMJ Slag; 831022
Project Number: Jorgenson Slag / 831-022

Received: 08/23/10
Reported: 08/30/10 16:10

ANALYTICAL REPORT

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Metals using ICP-AES by NIOSH 7300 (Modified)								
Sample ID: PTH1272-01 (EMJS-PA-082010-001)	**Filter**			**Sample Air Volume:960L**			**Sampled: 08/20/10**	
	ug, Total	mg/m3	ppm				**Prepared: 08/25/10 15:09**	
Calcium as CaCO3	<50.0	<0.0521	<0.0127		8/26/2010	br	50.0	N7300
Total Particulates, N.O.R. by NIOSH 0500 (Modified)								
Sample ID: PTH1272-01 (EMJS-PA-082010-001)	**Filter**			**Sample Air Volume:960L**			**Sampled: 08/20/10**	
	ug, Total	mg/m3	ppm				**Prepared: 08/25/10 12:01**	
Total Particulates, N.O.R.	<100	<0.104	---		8/25/2010	ZN	100	NIOSH 0500 (Modified)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Amy Essig Desai

Work Order: PTH1272
Project: EMJ Slag; 831022
Project Number: Jorgenson Slag / 831-022

Received: 08/23/10
Reported: 08/30/10 16:10

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Qual	Units	Q.C. Batch	Target Range	Lab Number	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)							
10H0930-BLK1							
Calcium as CaCO3	<50.0		ug, Total	10H0930		10H0930-BLK1	08-26-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)							
10H0914-BLK1							
Total Particulates, N.O.R.	<100		ug, Total	10H0914		10H0914-BLK1	08-25-2010

LCS

Analyte	Known Val.	Analyzed Val	Qual	Units	% Rec.	Target Range	Batch	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)								
10H0930-BS1								
Calcium as CaCO3	1310	1301		ug, Total	99%	80-120	10H0930	08-26-2010
10H0930-BS2								
Calcium as CaCO3	1310	1345		ug, Total	103%	80-120	10H0930	08-26-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)								
10H0914-BS1								
Total Particulates, N.O.R.	200	170.0		ug, Total	85%	29-116	10H0914	08-25-2010

LCS Dup

Analyte	Orig. Val.	Duplicate	Qual	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)												
10H0930-BSD1												
Calcium as CaCO3		1313		ug, Total	1310	100%	80-120	0.914	25	10H0930		08-26-2010
10H0930-BSD2												
Calcium as CaCO3		1373		ug, Total	1310	105%	80-120	2.07	25	10H0930		08-26-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)												
10H0914-BSD1												
Total Particulates, N.O.R.		220.0		ug, Total	200	110%	29-116	25.6	47	10H0914		08-25-2010

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.	Work Order:	PTH1272	Received: 08/23/10
975 5th Ave. NW			Reported: 08/30/10 16:10
Issaquah, WA 98027	Project:	EMJ Slag; 831022	
Amy Essig Desai	Project Number:	Jorgenson Slag / 831-022	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

[X] Main Lab - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 602.437.3340 - FAX 602.454.9303

www.testamericainc.com or call toll free 866.772.5227

Lab Number

PTH1272

Customer Number:	Page 1 of 1
Name: FARALLON	Sampler: KS
Address: 975 5th Ave NW	Project Name: JORGENSON SLAG
City, State, Zip: Issaquah, WA, 98027	Project Number: 831-022
Contact: Amy Essig DeBat	P.O. Number:
Phone: 425-295-0800 Fax: 425-295-0850	Fax Results: Y N
E-Mail Address: AS DEBAT@FARALLONCONSULTING	E-Mail Results: Y N

Sample Receipt

Temperature 20.0 °C / Amb

Custody Seals: Yes ____ No ____

Custody Seals Intact: Yes ____ No ____

Total # of Containers: ____

Turn Around Request

____ 24 Hours ____ 48 Hours

____ 72 Hours ____ 96 Hours

____ Standard 5 Working Days

Subject to scheduling and availability (surcharges apply)

Analysis Method(s)/Analyte(s)

Sample Information

Lab # (Internal Use Only)	Media Type (Filter, Passive Badge, Tube or Wipe)	Pump Name or ID Number	Flow Rate (Liters/minute)	Sample Identification	Collection Date	Start Time	Stop Time	Total Minutes	Total Volume In Liters	Area Wiped in cm2	Number of Media per Sample	Analysis Method(s)/Analyte(s)
			1.0	EMJS-PA-082010-001	8/20/10	1515						TO1

Instructions / Special Requirements:

Date:	Time:	Samples Relinquished By:	Received By:
8-20-10	1700	Ryan Haller	
			8/23/10 0930

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

August 30, 2010

LABORATORY REPORT

Client:
Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Attn: Amy Essig Desai

Work Order:	PTH1419
Project Name:	EMJ Slag; 831022
Project Number:	EMJ Slag; / 831-022
Date Received:	08/25/10
Final Report:	08/30/10 16:14

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE:

SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.
HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
COMMENTS: No significant observations were made.
SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Denise Harrington
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Amy Essig Desai

Work Order: PTH1419
Project: EMJ Slag; 831022
Project Number: EMJ Slag; / 831-022

Received: 08/25/10
Reported: 08/30/10 16:14

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
EMJS-PA-082310-02	PTH1419-01	08/23/10	PVC Filter, 5 micron, 37-mm Pre-weighed; 3-piece.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Amy Essig Desai

Work Order: PTH1419
Project: EMJ Slag; 831022
Project Number: EMJ Slag; / 831-022

Received: 08/25/10
Reported: 08/30/10 16:14

ANALYTICAL REPORT

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Metals using ICP-AES by NIOSH 7300 (Modified)								
Sample ID: PTH1419-01 (EMJS-PA-082310-02)	**Filter**		**Sample Air Volume:960L**				**Sampled: 08/23/10**	
	ug, Total	mg/m3	ppm				**Prepared: 08/25/10 15:09**	
Calcium as CaCO3	<50.0	<0.0521	<0.0127		8/26/2010	br	50.0	N7300
Total Particulates, N.O.R. by NIOSH 0500 (Modified)								
Sample ID: PTH1419-01 (EMJS-PA-082310-02)	**Filter**		**Sample Air Volume:960L**				**Sampled: 08/23/10**	
	ug, Total	mg/m3	ppm				**Prepared: 08/25/10 13:05**	
Total Particulates, N.O.R.	<100	<0.104	---		8/25/2010	ZN	100	NIOSH 0500 (Modified)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Amy Essig Desai

Work Order: PTH1419
Project: EMJ Slag; 831022
Project Number: EMJ Slag; / 831-022

Received: 08/25/10
Reported: 08/30/10 16:14

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Qual	Units	Q.C. Batch	Target Range	Lab Number	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)							
10H0930-BLK1							
Calcium as CaCO3	<50.0		ug, Total	10H0930		10H0930-BLK1	08-26-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)							
10H0914-BLK1							
Total Particulates, N.O.R.	<100		ug, Total	10H0914		10H0914-BLK1	08-25-2010

LCS

Analyte	Known Val.	Analyzed Val	Qual	Units	% Rec.	Target Range	Batch	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)								
10H0930-BS1								
Calcium as CaCO3	1310	1301		ug, Total	99%	80-120	10H0930	08-26-2010
10H0930-BS2								
Calcium as CaCO3	1310	1345		ug, Total	103%	80-120	10H0930	08-26-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)								
10H0914-BS1								
Total Particulates, N.O.R.	200	170.0		ug, Total	85%	29-116	10H0914	08-25-2010

LCS Dup

Analyte	Orig. Val.	Duplicate	Qual	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)												
10H0930-BSD1												
Calcium as CaCO3		1313		ug, Total	1310	100%	80-120	0.914	25	10H0930		08-26-2010
10H0930-BSD2												
Calcium as CaCO3		1373		ug, Total	1310	105%	80-120	2.07	25	10H0930		08-26-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)												
10H0914-BSD1												
Total Particulates, N.O.R.		220.0		ug, Total	200	110%	29-116	25.6	47	10H0914		08-25-2010

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.	Work Order:	PTH1419	Received: 08/25/10
975 5th Ave. NW			Reported: 08/30/10 16:14
Issaquah, WA 98027	Project:	EMJ Slag; 831022	
Amy Essig Desai	Project Number:	EMJ Slag; / 831-022	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

[X] Main Lab - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 602.437.3340 - FAX 602.454.9303

www.testamericainc.com or call toll free 866.772.5227

Lab Number

PTH1419

Customer Number:	Page 1 of 1
Name: Farallon Consulting	Sampler: Ryan Hibbs
Address: 975 5th Ave NW	Project Name: EMTS Slag
City, State, Zip: Issaquah, WA 98027	Project Number: 831-022J
Contact: Amy Essig Desi	P.O. Number: 831-022
Phone: 425-295-0800 Fax: 425-295-0850	Fax Results: Y N
E-Mail Address: AEssigDesi@farallonconsulting.com	E-Mail Results: (Y) N

Sample Receipt

Temperature _____ °C

Custody Seals: Yes _____ No _____

Custody Seals Intact: Yes _____ No _____

Total # of Containers: _____

Turn Around Request

X 24 Hours ____ 48 Hours

____ 72 Hours ____ 96 Hours

____ Standard 5 Working Days

Subject to scheduling and availability (surcharges apply)

Analysis Method(s)/Analyte(s)

Sample Information

Lab # (Internal Use Only)	Media Type (Filter, Passive Badge, Tube or Wipe)	Pump Name or ID Number	Flow Rate (Liters/minute)	Sample Identification	Collection Date	Start Time	Stop Time	Total Minutes	Total Volume In Liters	Area Wiped in cm2	Number of Media per Sample
	Filter	—	—	EMTS-PA-082310-02	8/23/10	—	—	—	—	—	—

Instructions / Special Requirements:

Date:	Time:	Samples Relinquished By:	Received By:
8/23/10	1530		
08-25-10	10:30		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

August 30, 2010

LABORATORY REPORT

Client:
Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Attn: Amy Essig Desai

Work Order:	PTH1420
Project Name:	EMJ Slag; 831022
Project Number:	EMJ Slag / 831-022
Date Received:	08/25/10
Final Report:	08/30/10 16:16

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE:

SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.
HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
COMMENTS: No significant observations were made.
SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Denise Harrington
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Amy Essig Desai

Work Order: PTH1420
Project: EMJ Slag; 831022
Project Number: EMJ Slag / 831-022

Received: 08/25/10
Reported: 08/30/10 16:16

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
EMJS-PA-082410-03	PTH1420-01	08/24/10	PVC Filter, 5 micron, 37-mm Pre-weighed; 3-piece.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Amy Essig Desai

Work Order: PTH1420
Project: EMJ Slag; 831022
Project Number: EMJ Slag / 831-022

Received: 08/25/10
Reported: 08/30/10 16:16

ANALYTICAL REPORT

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Metals using ICP-AES by NIOSH 7300 (Modified)								
Sample ID: PTH1420-01 (EMJS-PA-082410-03)	**Filter**		**Sample Air Volume:960L**				**Sampled: 08/24/10**	
	ug, Total	mg/m3	ppm				**Prepared: 08/25/10 15:09**	
Calcium as CaCO3	<50.0	<0.0521	<0.0127		8/26/2010	br	50.0	N7300
Total Particulates, N.O.R. by NIOSH 0500 (Modified)								
Sample ID: PTH1420-01 (EMJS-PA-082410-03)	**Filter**		**Sample Air Volume:960L**				**Sampled: 08/24/10**	
	ug, Total	mg/m3	ppm				**Prepared: 08/25/10 13:05**	
Total Particulates, N.O.R.	<100	<0.104	---		8/25/2010	ZN	100	NIOSH 0500 (Modified)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Amy Essig Desai

Work Order: PTH1420
Project: EMJ Slag; 831022
Project Number: EMJ Slag / 831-022

Received: 08/25/10
Reported: 08/30/10 16:16

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Qual	Units	Q.C. Batch	Target Range	Lab Number	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)							
10H0930-BLK1							
Calcium as CaCO3	<50.0		ug, Total	10H0930		10H0930-BLK1	08-26-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)							
10H0914-BLK1							
Total Particulates, N.O.R.	<100		ug, Total	10H0914		10H0914-BLK1	08-25-2010

LCS

Analyte	Known Val.	Analyzed Val	Qual	Units	% Rec.	Target Range	Batch	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)								
10H0930-BS1								
Calcium as CaCO3	1310	1301		ug, Total	99%	80-120	10H0930	08-26-2010
10H0930-BS2								
Calcium as CaCO3	1310	1345		ug, Total	103%	80-120	10H0930	08-26-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)								
10H0914-BS1								
Total Particulates, N.O.R.	200	170.0		ug, Total	85%	29-116	10H0914	08-25-2010

LCS Dup

Analyte	Orig. Val.	Duplicate	Qual	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)												
10H0930-BSD1												
Calcium as CaCO3		1313		ug, Total	1310	100%	80-120	0.914	25	10H0930		08-26-2010
10H0930-BSD2												
Calcium as CaCO3		1373		ug, Total	1310	105%	80-120	2.07	25	10H0930		08-26-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)												
10H0914-BSD1												
Total Particulates, N.O.R.		220.0		ug, Total	200	110%	29-116	25.6	47	10H0914		08-25-2010

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.	Work Order:	PTH1420	Received: 08/25/10
975 5th Ave. NW			Reported: 08/30/10 16:16
Issaquah, WA 98027	Project:	EMJ Slag; 831022	
Amy Essig Desai	Project Number:	EMJ Slag / 831-022	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

[X] Main Lab - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 602.437.3340 - FAX 602.454.9303

www.testamericainc.com or call toll free 866.772.5227

Lab Number

PTH1420

Customer Number:	Page 1 of 1	
Name: Farallon Consulting	Sampler: Jovan Rajnik	
Address: 975 5th Ave NW	Project Name: EMS Study	
City, State, Zip: Issaquah, WA 98027	Project Number: 831-022	
Contact: Amy Essig Desai	P.O. Number: 831-022	
Phone: 425-295-0800 Fax: 425-295-0850	Fax Results: Y (N)	
E-Mail Address: aessigdesai@farallonconsulting.com	E-Mail Results: (Y) N	

Sample Receipt

Temperature _____ °C

Custody Seals: Yes _____ No _____

Custody Seals Intact: Yes _____ No _____

Total # of Containers: _____

Turn Around Request

X 24 Hours ____ 48 Hours

____ 72 Hours ____ 96 Hours

____ Standard 5 Working Days

Subject to scheduling and availability (surcharges apply)

Analysis Method(s)/Analyte(s)

Sample Information

Lab # (Internal Use Only)	Media Type (Filter, Passive Badge, Tube or Wipe)	Pump Name or ID Number	Flow Rate (Liters/minute)	Sample Identification	Collection Date	Start Time	Stop Time	Total Minutes	Total Volume In Liters	Area Wiped in cm2	Number of Media per Sample
	Filter		-	EMSS-PA-082410-03	8/24/10	0730	1530	-	-	-	-

Instructions / Special Requirements:

Date:	Time:	Samples Relinquished By:	Received By:
8/24/10	1630		
08/25/10	1030	08-25-10	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

August 30, 2010

LABORATORY REPORT

Client:
Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Attn: Heidi Fischer

Work Order:	PTH1471
Project Name:	EMJ Slag; 831022
Project Number:	EMJ Slag / 831-022
Date Received:	08/26/10
Final Report:	08/30/10 16:19

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE:

SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.
HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
COMMENTS: No significant observations were made.
SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Denise Harrington
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Heidi Fischer

Work Order: PTH1471
Project: EMJ Slag; 831022
Project Number: EMJ Slag / 831-022

Received: 08/26/10
Reported: 08/30/10 16:19

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
EMJS-PA-05-082510	PTH1471-01	08/25/10	PVC Filter, 5 micron, 37-mm Pre-weighed; 3-piece.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Heidi Fischer

Work Order: PTH1471
Project: EMJ Slag; 831022
Project Number: EMJ Slag / 831-022

Received: 08/26/10
Reported: 08/30/10 16:19

ANALYTICAL REPORT

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Metals using ICP-AES by NIOSH 7300 (Modified)								
Sample ID: PTH1471-01 (EMJS-PA-05-082510)	**Filter**			**Sample Air Volume:960L**			**Sampled: 08/25/10**	
	ug, Total	mg/m3	ppm				**Prepared: 08/26/10 16:09**	
Calcium as CaCO3	<50.0	<0.0521	<0.0127		8/27/2010	br	50.0	N7300
Total Particulates, N.O.R. by NIOSH 0500 (Modified)								
Sample ID: PTH1471-01 (EMJS-PA-05-082510)	**Filter**			**Sample Air Volume:960L**			**Sampled: 08/25/10**	
	ug, Total	mg/m3	ppm				**Prepared: 08/26/10 13:06**	
Total Particulates, N.O.R.	<100	<0.104	---		8/26/2010	ZN	100	NIOSH 0500 (Modified)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.	Work Order:	PTH1471	Received: 08/26/10
975 5th Ave. NW			Reported: 08/30/10 16:19
Issaquah, WA 98027	Project:	EMJ Slag; 831022	
Heidi Fischer	Project Number:	EMJ Slag / 831-022	

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Qual	Units	Q.C. Batch	Target Range	Lab Number	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)							
10H0991-BLK1							
Calcium as CaCO3	<50.0		ug, Total	10H0991		10H0991-BLK1	08-27-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)							
10H0975-BLK1							
Total Particulates, N.O.R.	<100		ug, Total	10H0975		10H0975-BLK1	08-26-2010

LCS

Analyte	Known Val.	Analyzed Val	Qual	Units	% Rec.	Target Range	Batch	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)								
10H0991-BS1								
Calcium as CaCO3	1310	1306		ug, Total	100%	80-120	10H0991	08-27-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)								
10H0975-BS1								
Total Particulates, N.O.R.	200	210.0		ug, Total	105%	29-116	10H0975	08-26-2010

LCS Dup

Analyte	Orig. Val.	Duplicate	Qual	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)												
10H0991-BSD1												
Calcium as CaCO3		1300		ug, Total	1310	99%	80-120	0.434	25	10H0991		08-27-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)												
10H0975-BSD1												
Total Particulates, N.O.R.		210.0		ug, Total	200	105%	29-116	0	47	10H0975		08-26-2010

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.	Work Order:	PTH1471	Received: 08/26/10
975 5th Ave. NW			Reported: 08/30/10 16:19
Issaquah, WA 98027	Project:	EMJ Slag; 831022	
Heidi Fischer	Project Number:	EMJ Slag / 831-022	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

[X] Main Lab - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 602.437.3340 - FAX 602.454.9303

www.testamericainc.com or call toll free 866.772.5227

Lab Number PTH1471

Customer Number:	Page 1 of 1
Name: Facellon Consulting	Sampler: Ryan Hibbs
Address: 975 S 4th Ave Unit	Project Name: EMS Slag
City, State, Zip: Issq	Project Number: 831-022
Contact: Amy Essig Dept.	P.O. Number: 831-022
Phone: 425-222-0000 Fax: 425-275-0850	Fax Results: Y (N)
E-Mail Address: Address@facellonconsulting.com	E-Mail Results: (Y) N

Sample Receipt

Temperature _____ °C

Custody Seals: Yes _____ No _____

Custody Seals Intact: Yes _____ No _____

Total # of Containers: _____

Turn Around Request

X 24 Hours _____ 48 Hours

_____ 72 Hours _____ 96 Hours

_____ Standard 5 Working Days

Subject to scheduling and availability (surcharges apply)

Analysis Method(s)/Analyte(s)

Sample Information

Lab # (Internal Use Only)	Media Type (Filter, Passive Badge, Tube or Wipe)	Pump Name or ID Number	Flow Rate (Liters/minute)	Sample Identification	Collection Date	Start Time	Stop Time	Total Minutes	Total Volume In Liters	Area Wiped in cm2	Number of Media per Sample
-01	Filter	—	—	EMS-AA-05-082510	8/25/10	0730	1515	—	—	—	—

Instructions / Special Requirements:

Date:	Time:	Samples Relinquished By:	Received By:
8/25/10	1640		
08/26/10	10:30	08-26-10	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

August 30, 2010

LABORATORY REPORT

Client:
Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Attn: Heidi Fischer

Work Order:	PTH1557
Project Name:	EMJ Slag; 831022
Project Number:	EMJ Slag / 831-022
Date Received:	08/27/10
Final Report:	08/30/10 14:29

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE:

SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.
HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
COMMENTS: No significant observations were made.
SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Denise Harrington
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Heidi Fischer

Work Order: PTH1557
Project: EMJ Slag; 831022
Project Number: EMJ Slag / 831-022

Received: 08/27/10
Reported: 08/30/10 14:29

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
EMJS-PA-05-082610	PTH1557-01	08/26/10	PVC Filter, 5 micron, 37-mm Pre-weighed; 3-piece.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Heidi Fischer

Work Order: PTH1557
Project: EMJ Slag; 831022
Project Number: EMJ Slag / 831-022

Received: 08/27/10
Reported: 08/30/10 14:29

ANALYTICAL REPORT

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Metals using ICP-AES by NIOSH 7300 (Modified)								
Sample ID: PTH1557-01 (EMJS-PA-05-082610)	**Filter**			**Sample Air Volume:960L**			**Sampled: 08/26/10 07:30**	
	ug, Total	mg/m3	ppm				**Prepared: 08/27/10 16:11**	
Calcium as CaCO3	<50.0	<0.0521	<0.0127		8/30/2010	br	50.0	N7300
Total Particulates, N.O.R. by NIOSH 0500 (Modified)								
Sample ID: PTH1557-01 (EMJS-PA-05-082610)	**Filter**			**Sample Air Volume:960L**			**Sampled: 08/26/10 07:30**	
	ug, Total	mg/m3	ppm				**Prepared: 08/27/10 12:24**	
Total Particulates, N.O.R.	<100	<0.104	---		8/27/2010	ZN	100	NIOSH 0500 (Modified)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Heidi Fischer

Work Order: PTH1557
Project: EMJ Slag; 831022
Project Number: EMJ Slag / 831-022

Received: 08/27/10
Reported: 08/30/10 14:29

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Qual	Units	Q.C. Batch	Target Range	Lab Number	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)							
10H1037-BLK1							
Calcium as CaCO3	<50.0		ug, Total	10H1037		10H1037-BLK1	08-30-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)							
10H1016-BLK1							
Total Particulates, N.O.R.	<100		ug, Total	10H1016		10H1016-BLK1	08-27-2010

LCS

Analyte	Known Val.	Analyzed Val	Qual	Units	% Rec.	Target Range	Batch	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)								
10H1037-BS1								
Calcium as CaCO3	1250	1342		ug, Total	107%	80-120	10H1037	08-30-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)								
10H1016-BS1								
Total Particulates, N.O.R.	200	230.0		ug, Total	115%	29-116	10H1016	08-27-2010

LCS Dup

Analyte	Orig. Val.	Duplicate	Qual	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)												
10H1037-BSD1												
Calcium as CaCO3		1353		ug, Total	1250	108%	80-120	0.828	25	10H1037		08-30-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)												
10H1016-BSD1												
Total Particulates, N.O.R.		190.0		ug, Total	200	95%	29-116	19	47	10H1016		08-27-2010

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.	Work Order:	PTH1557	Received: 08/27/10
975 5th Ave. NW			Reported: 08/30/10 14:29
Issaquah, WA 98027	Project:	EMJ Slag; 831022	
Heidi Fischer	Project Number:	EMJ Slag / 831-022	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

[X] Main Lab - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 602.437.3340 - FAX 602.454.9303

www.testamericainc.com or call toll free 866.772.5227

Lab Number: PTH 1557

Customer Number:	Page 1 of 1
Name: Farallon Consulting	Sampler: Ryan Hibbs
Address: 975 5th Ave NW	Project Name: EMS Slag
City, State, Zip: Issaquah WA 98027	Project Number: 871-022
Contact: Amy Essig Dessi	P.O. Number: 871-022
Phone: 425 295 0800 Fax: 425-295-0850	Fax Results: Y (N)
E-Mail Address: aessigdessi@farallonconsulting.com	E-Mail Results: (Y) N

Sample Receipt

Temperature _____ °C

Custody Seals: Yes _____ No _____

Custody Seals Intact: Yes _____ No _____

Total # of Containers: _____

Turn Around Request

X 24 Hours ____ 48 Hours

____ 72 Hours ____ 96 Hours

____ Standard 5 Working Days

Subject to scheduling and availability (surcharges apply)

Analysis Method(s)/Analyte(s)

Sample Information

Lab # (Internal Use Only)	Media Type (Filter, Passive Badge, Tube or Wipe)	Pump Name or ID Number	Flow Rate (Liters/minute)	Sample Identification	Collection Date	Start Time	Stop Time	Total Minutes	Total Volume In Liters	Area Wiped in cm2	Number of Media per Sample	Analysis Method(s)/Analyte(s)
	Filter			EMS-PA-OS-082610	8/26/10	0730	1550		—	—	—	01

Instructions / Special Requirements:

Date:	Time:	Samples Relinquished By:	Received By:
8/26/10	1600		8/27/10 1030

All services are performed subject to the Terms & Conditions on the reverse side.

TAL-0045 (0409)

20.0°C / cust

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

September 15, 2010

LABORATORY REPORT

Client:
Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Attn: Amy Essig Desai

Work Order:	PTI0746
Project Name:	EMJ Slag; 831022
Project Number:	Jorg Slag / 831-022
Date Received:	09/14/10
Final Report:	09/15/10 15:40

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE:

SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.
HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
COMMENTS: No significant observations were made.
SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Denise Harrington
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Amy Essig Desai

Work Order: PTI0746
Project: EMJ Slag; 831022
Project Number: Jorg Slag / 831-022

Received: 09/14/10
Reported: 09/15/10 15:40

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
EMJS-PA-090910-007	PTI0746-01	09/09/10	PVC Filter, 5 micron, 37-mm Pre-weighed; 3-piece.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Amy Essig Desai

Work Order: PTI0746
Project: EMJ Slag; 831022
Project Number: Jorg Slag / 831-022

Received: 09/14/10
Reported: 09/15/10 15:40

ANALYTICAL REPORT

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Metals using ICP-AES by NIOSH 7300 (Modified)								
Sample ID: PTI0746-01 (EMJS-PA-090910-007)	**Filter**		**Sample Air Volume:720L**				**Sampled: 09/09/10**	
	ug, Total	mg/m3	ppm				**Prepared: 09/14/10 17:45**	
Calcium as CaCO3	<50.0	<0.0694	<0.017		9/15/2010	br	50.0	N7300
Total Particulates, N.O.R. by NIOSH 0500 (Modified)								
Sample ID: PTI0746-01 (EMJS-PA-090910-007)	**Filter**		**Sample Air Volume:720L**				**Sampled: 09/09/10**	
	ug, Total	mg/m3	ppm				**Prepared: 09/14/10 15:25**	
Total Particulates, N.O.R.	<100	<0.139	---		9/14/2010	ZN	100	NIOSH 0500 (Modified)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Amy Essig Desai

Work Order: PTI0746
Project: EMJ Slag; 831022
Project Number: Jorg Slag / 831-022

Received: 09/14/10
Reported: 09/15/10 15:40

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Qual	Units	Q.C. Batch	Target Range	Lab Number	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)							
10I0458-BLK1							
Calcium as CaCO3	<50.0		ug, Total	10I0458		10I0458-BLK1	09-15-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)							
10I0447-BLK1							
Total Particulates, N.O.R.	<100		ug, Total	10I0447		10I0447-BLK1	09-14-2010

LCS

Analyte	Known Val.	Analyzed Val	Qual	Units	% Rec.	Target Range	Batch	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)								
10I0458-BS1								
Calcium as CaCO3	1310	1326		ug, Total	101%	80-120	10I0458	09-15-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)								
10I0447-BS1								
Total Particulates, N.O.R.	200	220.0		ug, Total	110%	29-116	10I0447	09-14-2010

LCS Dup

Analyte	Orig. Val.	Duplicate	Qual	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)												
10I0458-BSD1												
Calcium as CaCO3		1322		ug, Total	1310	101%	80-120	0.266	25	10I0458		09-15-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)												
10I0447-BSD1												
Total Particulates, N.O.R.		190.0		ug, Total	200	95%	29-116	14.6	47	10I0447		09-14-2010

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.	Work Order:	PTI0746	Received: 09/14/10
975 5th Ave. NW			Reported: 09/15/10 15:40
Issaquah, WA 98027	Project:	EMJ Slag; 831022	
Amy Essig Desai	Project Number:	Jorg Slag / 831-022	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

[X] Main Lab - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 602.437.3340 - FAX 602.454.9303

www.testamericainc.com or call toll free 866.772.5227

Lab Number

Customer Number:	Page 1 of 1
Name: FARALLON	Sampler: KS
Address: 975 5th AVENUE NW	Project Name: JOBO SLAG
City, State, Zip: ISSAQUAH, WA, 98027	Project Number: 831-022
Contact: Amy Essig DeSai	P.O. Number:
Phone: 425-295-0800 Fax: 425-295-0850	Fax Results: Y N
E-Mail Address: AEDESAI@FARALLONCONSULTING	E-Mail Results: (Y) N

Sample Receipt

Temperature 20°C/AMB °C

Custody Seals: Yes ____ No X

Custody Seals Intact: Yes ____ No ____

Total # of Containers: NO ICE

Turn Around Request

____ 24 Hours ____ 48 Hours

____ 72 Hours ____ 96 Hours

X Standard 5 Working Days

Subject to scheduling and availability (surcharges apply)

Analysis Method(s)/Analyte(s)

Lime & Dust

Sample Information

Lab # (Internal Use Only)	Media Type (Filter, Passive Badge, Tube or Wipe)	Pump Name or ID Number	Flow Rate (Liters/minute)	Sample Identification	Collection Date	Start Time	Stop Time	Total Minutes	Total Volume in Liters	Area Wiped in cm2	Number of Media per Sample	Lime & Dust
	Filter		1.5	EMIS-PA-090910-007	9/9/10	730	1530	480			1	PT1074e-01

Instructions / Special Requirements:

Date:	Time:	Samples Relinquished By:	Received By:
9/9/10	715		
9/14/10	10:10		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

September 24, 2010

LABORATORY REPORT

Client:
Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Attn: Amy Essig Desai

Work Order:	PTI1112
Project Name:	EMJ Slag; 831022
Project Number:	Jorgenson Slag / 831-022
Date Received:	09/21/10
Final Report:	09/24/10 16:18

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE:

SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.
HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
COMMENTS: No significant observations were made.
SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Denise Harrington
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Amy Essig Desai

Work Order: PTI1112
Project: EMJ Slag; 831022
Project Number: Jorgenson Slag / 831-022

Received: 09/21/10
Reported: 09/24/10 16:18

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
EMJS-PA-091610-8	PTI1112-01	09/21/10	PVC Filter, 5 micron, 37-mm Pre-weighed; 3-piece.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Amy Essig Desai

Work Order: PTI1112
Project: EMJ Slag; 831022
Project Number: Jorgenson Slag / 831-022

Received: 09/21/10
Reported: 09/24/10 16:18

ANALYTICAL REPORT

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Metals using ICP-AES by NIOSH 7300 (Modified)								
Sample ID: PTI1112-01 (EMJS-PA-091610-8)	**Filter**			**Sample Air Volume:720L**			**Sampled: 09/21/10**	
	ug, Total	mg/m3	ppm				**Prepared: 09/23/10 14:27**	
Calcium as CaCO3	<50.0	<0.0694	<0.017		9/24/2010	br	50.0	N7300
Total Particulates, N.O.R. by NIOSH 0500 (Modified)								
Sample ID: PTI1112-01 (EMJS-PA-091610-8)	**Filter**			**Sample Air Volume:720L**			**Sampled: 09/21/10**	
	ug, Total	mg/m3	ppm				**Prepared: 09/21/10 12:38**	
Total Particulates, N.O.R.	<100	<0.139	---		9/21/2010	ZN	100	NIOSH 0500 (Modified)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Amy Essig Desai

Work Order: PTI1112
Project: EMJ Slag; 831022
Project Number: Jorgenson Slag / 831-022

Received: 09/21/10
Reported: 09/24/10 16:18

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Qual	Units	Q.C. Batch	Target Range	Lab Number	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)							
10I0822-BLK1							
Calcium as CaCO3	<50.0		ug, Total	10I0822		10I0822-BLK1	09-24-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)							
10I0705-BLK1							
Total Particulates, N.O.R.	<100		ug, Total	10I0705		10I0705-BLK1	09-21-2010

LCS

Analyte	Known Val.	Analyzed Val	Qual	Units	% Rec.	Target Range	Batch	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)								
10I0822-BS1								
Calcium as CaCO3	1310	1258		ug, Total	96%	80-120	10I0822	09-24-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)								
10I0705-BS1								
Total Particulates, N.O.R.	200	210.0		ug, Total	105%	29-116	10I0705	09-21-2010

LCS Dup

Analyte	Orig. Val.	Duplicate	Qual	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)												
10I0822-BSD1												
Calcium as CaCO3		1252		ug, Total	1310	96%	80-120	0.465	25	10I0822		09-24-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)												
10I0705-BSD1												
Total Particulates, N.O.R.		190.0		ug, Total	200	95%	29-116	10	47	10I0705		09-21-2010

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.	Work Order:	PTI1112	Received: 09/21/10
975 5th Ave. NW			Reported: 09/24/10 16:18
Issaquah, WA 98027	Project:	EMJ Slag; 831022	
Amy Essig Desai	Project Number:	Jorgenson Slag / 831-022	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

[X] Main Lab - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 602.437.3340 - FAX 602.454.9303

www.testamericainc.com or call toll free 866.772.5227

Lab Number: PTI1112

Customer Number:	Page 1 of 1
Name: FARALLON	Sampler: KS
Address: 975 5th Ave NW	Project Name: Jorgenson SLAG
City, State, Zip: Issaquah, WA. 98027	Project Number: 831-022
Contact: Amy Essig DESAI	P.O. Number:
Phone: 425-295-0800 Fax: 425-295-0850	Fax Results: Y (X) N
E-Mail Address: AED@FARALLONCONSULTING.COM	E-Mail Results: Y (X) N

Sample Receipt

Temperature 20-0 °C (Amb)

Custody Seals: Yes ____ No ____

Custody Seals Intact: Yes ____ No ____

Total # of Containers: 1

Turn Around Request

____ 24 Hours ____ 48 Hours

____ 72 Hours ____ 96 Hours

X Standard 5 Working Days

Subject to scheduling and availability (surcharges apply)

Analysis Method(s)/Analyte(s)

DUST + LIME

Sample Information

Lab # (Internal Use Only)	Media Type (Filter, Passive Badge, Tube or Wipe)	Pump Name or ID Number	Flow Rate (Liters/minute)	Sample Identification	Collection Date	Start Time	Stop Time	Total Minutes	Total Volume In Liters	Area Wiped in cm2	Number of Media per Sample	DUST + LIME
	Filter	800869	1.5	EMIS-PA-091610-B	9/16/10	730	1530	480			1	X -01

Instructions / Special Requirements:

Date:	Time:	Samples Relinquished By:	Received By:	
9/16/10	1630		9/21/10	1030

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

October 06, 2010

LABORATORY REPORT

Client:
Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Attn: Amy Essig Desai

Work Order:	PTI1520
Project Name:	EMJ Slag; 831022
Project Number:	Jorgenson Slag / 831-022
Date Received:	09/28/10
Final Report:	10/06/10 15:01

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE:

SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.
HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
COMMENTS: No significant observations were made.
SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Denise Harrington
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Amy Essig Desai

Work Order: PTI1520
Project: EMJ Slag; 831022
Project Number: Jorgenson Slag / 831-022

Received: 09/28/10
Reported: 10/06/10 15:01

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
EMJS-PA-092310-09	PTI1520-01	09/23/10	PVC Filter, 5 micron, 37-mm Pre-weighed; 3-piece.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Amy Essig Desai

Work Order: PTI1520
Project: EMJ Slag; 831022
Project Number: Jorgenson Slag / 831-022

Received: 09/28/10
Reported: 10/06/10 15:01

ANALYTICAL REPORT

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Metals using ICP-AES by NIOSH 7300 (Modified)								
Sample ID: PTI1520-01 (EMJS-PA-092310-09)	**Filter**		**Sample Air Volume:720L**				**Sampled: 09/23/10**	
	ug, Total	mg/m3	ppm				**Prepared: 10/01/10 16:55**	
Calcium as CaCO3	<50.0	<0.0694	<0.017		10/4/2010	br	50.0	N7300
Total Particulates, N.O.R. by NIOSH 0500 (Modified)								
Sample ID: PTI1520-01 (EMJS-PA-092310-09)	**Filter**		**Sample Air Volume:720L**				**Sampled: 09/23/10**	
	ug, Total	mg/m3	ppm				**Prepared: 09/28/10 11:26**	
Total Particulates, N.O.R.	<100	<0.139	---		9/28/2010	ZN	100	NIOSH 0500 (Modified)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Amy Essig Desai

Work Order: PTI1520
Project: EMJ Slag; 831022
Project Number: Jorgenson Slag / 831-022

Received: 09/28/10
Reported: 10/06/10 15:01

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Qual	Units	Q.C. Batch	Target Range	Lab Number	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)							
10J0042-BLK1							
Calcium as CaCO3	<50.0		ug, Total	10J0042		10J0042-BLK1	10-04-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)							
10I0980-BLK1							
Total Particulates, N.O.R.	<100		ug, Total	10I0980		10I0980-BLK1	09-28-2010

LCS

Analyte	Known Val.	Analyzed Val	Qual	Units	% Rec.	Target Range	Batch	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)								
10J0042-BS1								
Calcium as CaCO3	1310	1268		ug, Total	97%	80-120	10J0042	10-04-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)								
10I0980-BS1								
Total Particulates, N.O.R.	200	190.0		ug, Total	95%	29-116	10I0980	09-28-2010

LCS Dup

Analyte	Orig. Val.	Duplicate	Qual	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)												
10J0042-BSD1												
Calcium as CaCO3		1282		ug, Total	1310	98%	80-120	1.08	25	10J0042		10-04-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)												
10I0980-BSD1												
Total Particulates, N.O.R.		150.0		ug, Total	200	75%	29-116	23.5	47	10I0980		09-28-2010

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.	Work Order:	PTI1520	Received: 09/28/10
975 5th Ave. NW			Reported: 10/06/10 15:01
Issaquah, WA 98027	Project:	EMJ Slag; 831022	
Amy Essig Desai	Project Number:	Jorgenson Slag / 831-022	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

[X] Main Lab - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 602.437.3340 - FAX 602.454.9303

www.testamericainc.co or call toll free 866.772.5227

Lab Number

PTI 1520

Customer Number:	Page 1 of 1
Name: FARALLON	Sampler: KS
Address: 975 5th Avenue NW	Project Name: Jorgensen SLAG
City, State, Zip: Issaquah, WA, 98027	Project Number: 831-022
Contact: Amy Essig DeSai	P.O. Number:
Phone: 425-295-0800 Fax: 425-295-0850	Fax Results: Y (N)
E-Mail Address: ADeSai@FARALLONCONSULTING	E-Mail Results: (Y) N

Sample Receipt

Temperature _____ °C

Custody Seals: Yes _____ No _____

Custody Seals Intact: Yes _____ No _____

Total # of Containers: _____

Turn Around Request

_____ 24 Hours _____ 48 Hours

_____ 72 Hours _____ 96 Hours

_____ Standard 5 Working Days

Subject to scheduling and availability (surcharges apply)

Analysis Method(s)/Analyte(s)

Sample Information

Lab # (Internal Use Only)	Media Type (Filter, Passive Badge, Tube or Wipe)	Pump Name or ID Number	Flow Rate (Liters/minute)	Sample Identification	Collection Date	Start Time	Stop Time	Total Minutes	Total Volume in Liters	Area Wiped in cm2	Number of Media per Sample	Analysis Method(s)/Analyte(s)
	Filter		1.5	EMS-PA-092310-03	9/23/10	730	1530	480				-01

Instructions / Special Requirements:

Samples Relinquished By: Date:	Time:		Received By:
9/23/10	1700		
9/28/10	920	fedex	

TAL-0045 (0409)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

November 03, 2010

LABORATORY REPORT

Client:
Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Attn: Heidi Fischer

Work Order:	PTJ1732
Project Name:	EMJ Slag; 831022
Project Number:	Jorgenson Slag / 831-022
Date Received:	10/28/10
Final Report:	11/03/10 15:08

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE:

SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.
HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
COMMENTS: No significant observations were made.
SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Denise Harrington
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Heidi Fischer

Work Order: PTJ1732
Project: EMJ Slag; 831022
Project Number: Jorgenson Slag / 831-022

Received: 10/28/10
Reported: 11/03/10 15:08

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
EMJS-PA-102110-13	PTJ1732-01	10/21/10	PVC Filter, 5 micron, 37-mm Pre-weighed; 3-piece.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Heidi Fischer

Work Order: PTJ1732
Project: EMJ Slag; 831022
Project Number: Jorgenson Slag / 831-022

Received: 10/28/10
Reported: 11/03/10 15:08

ANALYTICAL REPORT

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Metals using ICP-AES by NIOSH 7300 (Modified)								
Sample ID: PTJ1732-01 (EMJS-PA-102110-13)	**Filter**		**Sample Air Volume:630L**				**Sampled: 10/21/10**	
	ug, Total	mg/m3	ppm				**Prepared: 11/02/10 17:35**	
Calcium as CaCO3	<50.0	<0.0794	<0.0194		11/3/2010	BR	50.0	N7300
Total Particulates, N.O.R. by NIOSH 0500 (Modified)								
Sample ID: PTJ1732-01 (EMJS-PA-102110-13)	**Filter**		**Sample Air Volume:630L**				**Sampled: 10/21/10**	
	ug, Total	mg/m3	ppm				**Prepared: 11/01/10 15:25**	
Total Particulates, N.O.R.	<100	<0.159	---		11/1/2010	ZN	100	NIOSH 0500 (Modified)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Heidi Fischer

Work Order: PTJ1732
Project: EMJ Slag; 831022
Project Number: Jorgenson Slag / 831-022

Received: 10/28/10
Reported: 11/03/10 15:08

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Qual	Units	Q.C. Batch	Target Range	Lab Number	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)							
10K0101-BLK1							
Calcium as CaCO3	<50.0		ug, Total	10K0101		10K0101-BLK1	11-03-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)							
10K0033-BLK1							
Total Particulates, N.O.R.	<100		ug, Total	10K0033		10K0033-BLK1	11-01-2010

LCS

Analyte	Known Val.	Analyzed Val	Qual	Units	% Rec.	Target Range	Batch	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)								
10K0101-BS1								
Calcium as CaCO3	1310	1282		ug, Total	98%	80-120	10K0101	11-03-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)								
10K0033-BS1								
Total Particulates, N.O.R.	200	170.0		ug, Total	85%	29-116	10K0033	11-01-2010

LCS Dup

Analyte	Orig. Val.	Duplicate	Qual	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)												
10K0101-BSD1												
Calcium as CaCO3		1280		ug, Total	1310	98%	80-120	0.145	25	10K0101		11-03-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)												
10K0033-BSD1												
Total Particulates, N.O.R.		160.0		ug, Total	200	80%	29-116	6.06	47	10K0033		11-01-2010

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.	Work Order:	PTJ1732	Received: 10/28/10
975 5th Ave. NW			Reported: 11/03/10 15:08
Issaquah, WA 98027	Project:	EMJ Slag; 831022	
Heidi Fischer	Project Number:	Jorgenson Slag / 831-022	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

[X] Main Lab - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 602.437.3340 - FAX 602.454.9303

www.testamericainc.com or call toll free 866.772.5227

Lab Number: PTJ1732

Customer Number:	Page 1 of 1
Name: Farallon Consulting	Sampler: Ryan Hobbs
Address: 975 5th Ave	Project Name: Jorg Slag
City, State, Zip: Issaquah WA 98027	Project Number: 831-022
Contact: Amy Ennis Dosé	P.O. Number: ↓
Phone: (425) 295-0800 Fax:	Fax Results: Y (Y) N
E-Mail Address: AEDeTA@FARALLONCONSULTING.COM	E-Mail Results: Y (N)

Sample Receipt

Temperature 20.0 °C / Amb

Custody Seals: Yes _____ No _____

Custody Seals Intact: Yes _____ No _____

Total # of Containers: _____

Turn Around Request

_____ 24 Hours _____ 48 Hours

_____ 72 Hours _____ 96 Hours

X Standard 5 Working Days

Subject to scheduling and availability (surcharges apply)

Analysis Method(s)/Analyte(s)

Dust Timer Ash

Sample Information

Lab # (Internal Use Only)	Media Type (Filter, Passive Badge, Tube or Wipe)	Pump Name or ID Number	Flow Rate (Liters/minute)	Sample Identification	Collection Date	Start Time	Stop Time	Total Minutes	Total Volume In Liters	Area Wiped in cm2	Number of Media per Sample	Dust Timer Ash
	Filter	CHAS-5	1.5	EM35-PA 102110-13	10-21-10	0800	1500	420	630			X 401

Instructions / Special Requirements:

Date:	Time:	Samples Relinquished By:	Received By:
10/22/10	1630	Ryan Smith	10/28/10 1030

All services are performed subject to the Terms & Conditions on the reverse side.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

October 07, 2010

LABORATORY REPORT

Client:
Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Attn: Amy Essig Desai

Work Order:	PTJ0023
Project Name:	EMJ Slag; 831022
Project Number:	Jorg Slag / 831-022
Date Received:	10/01/10
Final Report:	10/07/10 16:35

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE:

SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.
HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
COMMENTS: No significant observations were made.
SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Denise Harrington
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Amy Essig Desai

Work Order: PTJ0023
Project: EMJ Slag; 831022
Project Number: Jorg Slag / 831-022

Received: 10/01/10
Reported: 10/07/10 16:35

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
EMJS-PA-093010-10	PTJ0023-01	09/30/10	PVC Filter, 5 micron, 37-mm Pre-weighed; 3-piece.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Amy Essig Desai

Work Order: PTJ0023
Project: EMJ Slag; 831022
Project Number: Jorg Slag / 831-022

Received: 10/01/10
Reported: 10/07/10 16:35

ANALYTICAL REPORT

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Metals using ICP-AES by NIOSH 7300 (Modified)								
Sample ID: PTJ0023-01 (EMJS-PA-093010-10)	**Filter**		**Sample Air Volume:450L**				**Sampled: 09/30/10**	
	ug, Total	mg/m3	ppm				**Prepared: 10/05/10 19:13**	
Calcium as CaCO3	<50.0	<0.111	<0.0271		10/7/2010	br	50.0	N7300
Total Particulates, N.O.R. by NIOSH 0500 (Modified)								
Sample ID: PTJ0023-01 (EMJS-PA-093010-10)	**Filter**		**Sample Air Volume:450L**				**Sampled: 09/30/10**	
	ug, Total	mg/m3	ppm				**Prepared: 10/05/10 17:45**	
Total Particulates, N.O.R.	<100	<0.222	---		10/5/2010	AY	100	NIOSH 0500 (Modified)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Amy Essig Desai

Work Order: PTJ0023
Project: EMJ Slag; 831022
Project Number: Jorg Slag / 831-022

Received: 10/01/10
Reported: 10/07/10 16:35

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Qual	Units	Q.C. Batch	Target Range	Lab Number	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)							
10J0149-BLK1							
Calcium as CaCO3	<50.0		ug, Total	10J0149		10J0149-BLK1	10-07-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)							
10J0145-BLK1							
Total Particulates, N.O.R.	<100		ug, Total	10J0145		10J0145-BLK1	10-05-2010

LCS

Analyte	Known Val.	Analyzed Val	Qual	Units	% Rec.	Target Range	Batch	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)								
10J0149-BS1								
Calcium as CaCO3	1310	1278		ug, Total	98%	80-120	10J0149	10-07-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)								
10J0145-BS1								
Total Particulates, N.O.R.	200	220.0		ug, Total	110%	29-116	10J0145	10-05-2010

LCS Dup

Analyte	Orig. Val.	Duplicate	Qual	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)												
10J0149-BSD1												
Calcium as CaCO3		1458		ug, Total	1310	111%	80-120	13.1	25	10J0149		10-07-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)												
10J0145-BSD1												
Total Particulates, N.O.R.		220.0		ug, Total	200	110%	29-116	0	47	10J0145		10-05-2010

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.	Work Order:	PTJ0023	Received: 10/01/10
975 5th Ave. NW			Reported: 10/07/10 16:35
Issaquah, WA 98027	Project:	EMJ Slag; 831022	
Amy Essig Desai	Project Number:	Jorg Slag / 831-022	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

[X] Main Lab - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 602.437.3340 - FAX 602.454.9303

www.testamericainc.com or call toll free 866.772.5227

Lab Number

Customer Number: Farallon Consulting	Page 1 of 1		
Name: Farallon Consulting	Sampler: Ryan Hicks		
Address: 975 5th Ave NW	Project Name: Jung Study		
City, State, Zip: Issaquah WA 98027	Project Number: 831-022		
Contact: Amy Eddy Dosé	P.O. Number: 831-022		
Phone: (425) 295-0800 Fax:	Fax Results:	Y	(N)
E-Mail Address: rhicks@farallonconsulting.com	E-Mail Results:	(Y)	N

Sample Receipt

Temperature _____ °C

Custody Seals: Yes _____ No _____

Custody Seals Intact: Yes _____ No _____

Total # of Containers: _____

Turn Around Request

_____ 24 Hours _____ 48 Hours

_____ 72 Hours _____ 96 Hours

X Standard 5 Working Days

Subject to scheduling and availability (surcharges apply)

Analysis Method(s)/Analyte(s)

Sample Information

Lab # (Internal Use Only)	Media Type (Filter, Passive Badge, Tube or Wipe)	Pump Name or ID Number	Flow Rate (Liters/minute)	Sample Identification	Collection Date	Start Time	Stop Time	Total Minutes	Total Volume in Liters	Area Wiped in cm2	Number of Media per Sample	Analysis Method(s)/Analyte(s)
	Filter		1.5 L/m	EMJS-PA-093010-10	9-30-10	0700	1200					PTS00230T01

Instructions / Special Requirements:

Date:	Time:	Samples Relinquished By:	Received By:
9-30-10	1300	Ryan Hicks	
10/01/10	10:30		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

October 19, 2010

LABORATORY REPORT

Client:
Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Attn: Heidi Fischer

Work Order:	PTJ0830
Project Name:	EMJ Slag; 831022
Project Number:	Jergens
Date Received:	10/13/10
Final Report:	10/19/10 12:23

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE:

SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.
HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
COMMENTS: No significant observations were made.
SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Denise Harrington
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Heidi Fischer

Work Order: PTJ0830
Project: EMJ Slag; 831022
Project Number: Jergens

Received: 10/13/10
Reported: 10/19/10 12:23

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
EMJS-PA-100710-11	PTJ0830-01	10/07/10	PVC Filter, 5 micron, 37-mm Pre-weighed; 3-piece.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Heidi Fischer

Work Order: PTJ0830
Project: EMJ Slag; 831022
Project Number: Jergens

Received: 10/13/10
Reported: 10/19/10 12:23

ANALYTICAL REPORT

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Metals using ICP-AES by NIOSH 7300 (Modified)								
Sample ID: PTJ0830-01 (EMJS-PA-100710-11)	**Filter**		**Sample Air Volume:1260L**				**Sampled: 10/07/10**	
	ug, Total	mg/m3	ppm				**Prepared: 10/17/10 14:49**	
Calcium as CaCO3	<50.0	<0.0397	<0.00969		10/18/2010	br	50.0	N7300
Total Particulates, N.O.R. by NIOSH 0500 (Modified)								
Sample ID: PTJ0830-01 (EMJS-PA-100710-11)	**Filter**		**Sample Air Volume:1260L**				**Sampled: 10/07/10**	
	ug, Total	mg/m3	ppm				**Prepared: 10/14/10 10:02**	
Total Particulates, N.O.R.	<100	<0.0794	---		10/14/2010	ZN	100	NIOSH 0500 (Modified)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Heidi Fischer

Work Order: PTJ0830
Project: EMJ Slag; 831022
Project Number: Jergens

Received: 10/13/10
Reported: 10/19/10 12:23

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Qual	Units	Q.C. Batch	Target Range	Lab Number	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)							
10J0617-BLK1							
Calcium as CaCO3	<50.0		ug, Total	10J0617		10J0617-BLK1	10-18-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)							
10J0543-BLK1							
Total Particulates, N.O.R.	<100		ug, Total	10J0543		10J0543-BLK1	10-14-2010

LCS

Analyte	Known Val.	Analyzed Val	Qual	Units	% Rec.	Target Range	Batch	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)								
10J0617-BS1								
Calcium as CaCO3	1310	1069		ug, Total	82%	80-120	10J0617	10-18-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)								
10J0543-BS1								
Total Particulates, N.O.R.	200	230.0		ug, Total	115%	29-116	10J0543	10-14-2010

LCS Dup

Analyte	Orig. Val.	Duplicate	Qual	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)												
10J0617-BSD1												
Calcium as CaCO3		1270		ug, Total	1310	97%	80-120	17.2	25	10J0617		10-18-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)												
10J0543-BSD1												
Total Particulates, N.O.R.		230.0		ug, Total	200	115%	29-116	0	47	10J0543		10-14-2010

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.	Work Order:	PTJ0830	Received: 10/13/10
975 5th Ave. NW			Reported: 10/19/10 12:23
Issaquah, WA 98027	Project:	EMJ Slag; 831022	
Heidi Fischer	Project Number:	Jergens	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

[X] Main Lab - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 602.437.3340 - FAX 602.454.9303

www.testamericainc.com or call toll free 866.772.5227

Lab Number: PTJ0830

Customer Number:	Page 1 of 1
Name: FARALLON	Sampler: KS
Address: 975 5th Ave NW	Project Name: Jaycees
City, State, Zip: Issaquah, WA.	Project Number: 831-022
Contact: Amy Essig DeSai	P.O. Number:
Phone: 425-295-0800 Fax: 425-295-0850	Fax Results: Y (Y) N
E-Mail Address: AEDESAI@FARALLONCONSULTING	E-Mail Results: Y (Y) N

Sample Receipt

Temperature _____ °C

Custody Seals: Yes _____ No _____

Custody Seals Intact: Yes _____ No _____

Total # of Containers: 1

Turn Around Request

_____ 24 Hours _____ 48 Hours

_____ 72 Hours _____ 96 Hours

X Standard 5 Working Days

Subject to scheduling and availability (surcharges apply)

Analysis Method(s)/Analyte(s)

Lime ash + Dust

Sample Information

Lab # (Internal Use Only)	Media Type (Filter, Passive Badge, Tube or Wipe)	Pump Name or ID Number	Flow Rate (Liters/minute)	Sample Identification	Collection Date	Start Time	Stop Time	Total Minutes	Total Volume in Liters	Area Wiped in cm2	Number of Media per Sample	Lime ash + Dust
	Filter		1.5	ZMJS-PA-100710-11	10/7/10	730	1530	840				X — 01

Instructions / Special Requirements:

Samples Relinquished By: Date:	Time:	Received By:
10/7/10	1700	10/13/10 925
		20.0 °C / ambient

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

October 25, 2010

LABORATORY REPORT

Client:
Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Attn: Amy Essig Desai

Work Order:	PTJ1136
Project Name:	EMJ Slag; 831022
Project Number:	Jorgenson Slag / 831-022
Date Received:	10/18/10
Final Report:	10/25/10 13:40

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE:

SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.
HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
COMMENTS: No significant observations were made.
SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Denise Harrington
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Amy Essig Desai

Work Order: PTJ1136
Project: EMJ Slag; 831022
Project Number: Jorgenson Slag / 831-022

Received: 10/18/10
Reported: 10/25/10 13:40

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
EMJS-PA-101410-12	PTJ1136-01	10/14/10	PVC Filter, 5 micron, 37-mm Pre-weighed; 3-piece.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Amy Essig Desai

Work Order: PTJ1136
Project: EMJ Slag; 831022
Project Number: Jorgenson Slag / 831-022

Received: 10/18/10
Reported: 10/25/10 13:40

ANALYTICAL REPORT

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Metals using ICP-AES by NIOSH 7300 (Modified)								
Sample ID: PTJ1136-01 (EMJS-PA-101410-12)	**Filter**		**Sample Air Volume:697.5L**				**Sampled: 10/14/10**	
	ug, Total	mg/m3	ppm				**Prepared: 10/21/10 18:16**	
Calcium as CaCO3	<50.0	<0.0717	<0.0175		10/22/2010	br	50.0	N7300
Total Particulates, N.O.R. by NIOSH 0500 (Modified)								
Sample ID: PTJ1136-01 (EMJS-PA-101410-12)	**Filter**		**Sample Air Volume:697.5L**				**Sampled: 10/14/10**	
	ug, Total	mg/m3	ppm				**Prepared: 10/19/10 09:50**	
Total Particulates, N.O.R.	<100	<0.143	---		10/19/2010	ZN	100	NIOSH 0500 (Modified)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Amy Essig Desai

Work Order: PTJ1136
Project: EMJ Slag; 831022
Project Number: Jorgenson Slag / 831-022

Received: 10/18/10
Reported: 10/25/10 13:40

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Qual	Units	Q.C. Batch	Target Range	Lab Number	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)							
10J0812-BLK1							
Calcium as CaCO3	<50.0		ug, Total	10J0812		10J0812-BLK1	10-22-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)							
10J0704-BLK1							
Total Particulates, N.O.R.	<100		ug, Total	10J0704		10J0704-BLK1	10-19-2010

LCS

Analyte	Known Val.	Analyzed Val	Qual	Units	% Rec.	Target Range	Batch	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)								
10J0812-BS1								
Calcium as CaCO3	1310	1248		ug, Total	95%	80-120	10J0812	10-22-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)								
10J0704-BS1								
Total Particulates, N.O.R.	200	230.0		ug, Total	115%	29-116	10J0704	10-19-2010

LCS Dup

Analyte	Orig. Val.	Duplicate	Qual	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)												
10J0812-BSD1												
Calcium as CaCO3		1321		ug, Total	1310	101%	80-120	5.67	25	10J0812		10-22-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)												
10J0704-BSD1												
Total Particulates, N.O.R.		230.0		ug, Total	200	115%	29-116	0	47	10J0704		10-19-2010

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.	Work Order:	PTJ1136	Received: 10/18/10
975 5th Ave. NW			Reported: 10/25/10 13:40
Issaquah, WA 98027	Project:	EMJ Slag; 831022	
Amy Essig Desai	Project Number:	Jorgenson Slag / 831-022	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

[X] Main Lab - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 602.437.3340 - FAX 602.454.9303

www.testamericainc.com or call toll free 866.772.5227

Lab Number

Customer Number:	Page 1 of 1
Name: FARALLON	Sampler: KS
Address: 975 5th Avenue NW	Project Name: Jurgensen Slag
City, State, Zip: Issaquah, WA. 98027	Project Number: 831-022
Contact: Amy Essig DeSa	P.O. Number:
Phone: 425-295-0800 Fax: 425-295-0850	Fax Results: Y (N)
E-Mail Address: AEDesa@FARALLONCONSULTING.com	E-Mail Results: (Y) N

Sample Receipt

Temperature 20.0 °C/Amb

Custody Seals: Yes _____ No _____

Custody Seals Intact: Yes _____ No _____

Total # of Containers: _____

Turn Around Request

_____ 24 Hours _____ 48 Hours

_____ 72 Hours _____ 96 Hours

X Standard 5 Working Days

Subject to scheduling and availability (surcharges apply)

Sample Information

Lab # (Internal Use Only)	Media Type (Filter, Passive Badge, Tube or Wipe)	Pump Name or ID Number	Flow Rate (Liters/minute)	Sample Identification	Collection Date	Start Time	Stop Time	Total Minutes	Total Volume in Liters	Area Wiped in cm2	Number of Media per Sample	Analysis Method(s)/Analyte(s): Dust + Lime Ash
	Filter	Gilair	1.5	EMJS-PA-101410-12	10/14/10	7:30	15:15		1.5		1	X PTJ1136-01

Instructions / Special Requirements:

Samples Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Ken Scott	10/14/10	1630		10/18/10	1130

TAL-0045 (0409)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

November 09, 2010

LABORATORY REPORT

Client:
Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Attn: Amy Essig Desai

Work Order:	PTK0088
Project Name:	EMJ Slag; 831022
Project Number:	Jorgenson Slag / 831-022
Date Received:	11/02/10
Final Report:	11/09/10 16:56

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE:

SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.
HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
COMMENTS: No significant observations were made.
SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Denise Harrington
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Amy Essig Desai

Work Order: PTK0088
Project: EMJ Slag; 831022
Project Number: Jorgenson Slag / 831-022

Received: 11/02/10
Reported: 11/09/10 16:56

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
EMJS-PA-102810-14	PTK0088-01	10/28/10	PVC Filter, 5 micron, 37-mm Pre-weighed; 3-piece.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Amy Essig Desai

Work Order: PTK0088
Project: EMJ Slag; 831022
Project Number: Jorgenson Slag / 831-022

Received: 11/02/10
Reported: 11/09/10 16:56

ANALYTICAL REPORT

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Metals using ICP-AES by NIOSH 7300 (Modified)								
Sample ID: PTK0088-01 (EMJS-PA-102810-14)	**Filter**			**Sample Air Volume:600L**			**Sampled: 10/28/10**	
	ug, Total	mg/m3	ppm				**Prepared: 11/05/10 16:35**	
Calcium as CaCO3	<50.0	<0.0833	<0.0204		11/8/2010	BR	50.0	N7300
Total Particulates, N.O.R. by NIOSH 0500 (Modified)								
Sample ID: PTK0088-01 (EMJS-PA-102810-14)	**Filter**			**Sample Air Volume:600L**			**Sampled: 10/28/10**	
	ug, Total	mg/m3	ppm				**Prepared: 11/05/10 15:45**	
Total Particulates, N.O.R.	<100	<0.167	---		11/5/2010	ZN	100	NIOSH 0500 (Modified)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.
975 5th Ave. NW
Issaquah, WA 98027
Amy Essig Desai

Work Order: PTK0088
Project: EMJ Slag; 831022
Project Number: Jorgenson Slag / 831-022

Received: 11/02/10
Reported: 11/09/10 16:56

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Qual	Units	Q.C. Batch	Target Range	Lab Number	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)							
10K0256-BLK1							
Calcium as CaCO3	<50.0		ug, Total	10K0256		10K0256-BLK1	11-08-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)							
10K0305-BLK1							
Total Particulates, N.O.R.	<100		ug, Total	10K0305		10K0305-BLK1	11-05-2010

LCS

Analyte	Known Val.	Analyzed Val	Qual	Units	% Rec.	Target Range	Batch	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)								
10K0256-BS1								
Calcium as CaCO3	1310	1308		ug, Total	100%	80-120	10K0256	11-08-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)								
10K0305-BS1								
Total Particulates, N.O.R.	200	110.0		ug, Total	55%	29-116	10K0305	11-05-2010

LCS Dup

Analyte	Orig. Val.	Duplicate	Qual	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Metals using ICP-AES by NIOSH 7300 (Modified)												
10K0256-BSD1												
Calcium as CaCO3		1301		ug, Total	1310	99%	80-120	0.566	25	10K0256		11-08-2010
Total Particulates, N.O.R. by NIOSH 0500 (Modified)												
10K0305-BSD1												
Total Particulates, N.O.R.		150.0		ug, Total	200	75%	29-116	30.8	47	10K0305		11-05-2010

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Farallon Consulting, LLC.	Work Order:	PTK0088	Received: 11/02/10
975 5th Ave. NW			Reported: 11/09/10 16:56
Issaquah, WA 98027	Project:	EMJ Slag; 831022	
Amy Essig Desai	Project Number:	Jorgenson Slag / 831-022	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

[X] Main Lab - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 602.437.3340 - FAX 602.454.9303

www.testamericainc.com or call toll free 866.772.5227

Lab Number: PTK0088

Page 1 of 1

Customer Number:	
Name:	FARALLON
Address:	975 5th Avenue NW
City, State, Zip:	Issaquah, WA. 98027
Contact:	Amy Essig DeSat
Phone:	425-295-0820 Fax: 425-295-0850
E-Mail Address:	AEssig@farallonconsulting.com
Sampler:	TS
Project Name:	Jorgensen Slag
Project Number:	831-022
P.O. Number:	
Fax Results:	(Y) N
E-Mail Results:	(Y) N

Sample Receipt

Temperature 20.0 / A wBC

Custody Seals: Yes ____ No X

Custody Seals Intact: Yes ____ No X

Total # of Containers: 1

Turn Around Request

____ 24 Hours ____ 48 Hours

____ 72 Hours ____ 96 Hours

X Standard 5 Working Days

Subject to scheduling and availability (surcharges apply)

Analysis Method(s)/Analyte(s)

Dust Fine Ash

Sample Information

Lab # (Internal Use Only)	Media Type (Filter, Passive Badge, Tube or Wipe)	Pump Name or ID Number	Flow Rate (Liters/minute)	Sample Identification	Collection Date	Start Time	Stop Time	Total Minutes	Total Volume In Liters	Area Wiped in cm2	Number of Media per Sample	Dust Fine Ash						
	Filter	64HR	1.5	EMS-PA-102810-14	10/28/10	810	1445	400			1	X		- D1				

Instructions / Special Requirements:

Date:	Time:	Samples Relinquished By:	Received By:
10/28/10	1600		
11/2/10	10:30	FEDEX	

TAL-0045 (0409)

APPENDIX J
COMPACTION TEST RESULTS

COMPLETION AND COMPLIANCE MONITORING REPORT
Slag Disposal, Beckwith Property Site
South 218th Street and 90th Avenue South
Kent, Washington

Farallon PN: 831-022

MAYES TESTING ENGINEERS, INC.

Seattle Office
20225 Cedar Valley Road
Suite 110
Lynnwood, WA 98036
ph 425.742.9360
fax 425.745.1737

Tacoma Office
10029 S. Tacoma Way
Suite E-2
Tacoma, WA 98499
ph 253.584.3720
fax 253.584.3707

Portland Office
7911 NE 33rd Drive
Suite 190
Portland, OR 97211
ph 503.281.7515
fax 503.281.7579

Project No.	T10137
Project	Kent Slag Site
Address	South 228th Street & 88th Avenue South, Kent, WA
Permit No.	CNST-2101696GF
Bldg Dept.	City of Kent
Owner	Earl Jorgenson
Contractor	Clear Creek
Record No.	001
Date	9-10-10
Weather	Overcast
Inspection	Soils Compaction
Sample(s)	(1) Proctor

Performed soil compaction testing using a nuclear density/moisture gauge along east edge of site from approximate grid lines D5 to G9. Contractor had previously placed and compacted brown silty sand with gravel using large vibratory roller. Results of compaction tests were preliminary pending proctor results from sample obtained this day. Fill was firm, stable and unyielding. See attached field density test report for data.

After completion of proctor analysis, all tests met the minimum compaction requirement of 95%.

To the best of our knowledge, all items inspected today are in conformance with approved plans and specifications.

Inspector: John Opgenorth

Reviewed by:

Shaun W. Sevigny, P.E.
Branch Manager

MAYES TESTING ENGINEERS, INC

20225 Cedar Valley Road, Suite 110 Ph 425.742.9360
Lynnwood, WA 98036 Fax 425.745.1737

10029 S. Tacoma Way, Suite E-2 Ph 253.584.3720
Tacoma, WA 98499 Fax 253.584.3707

7911 NE 33rd Drive, Suite 190 Ph 503.281.7515
Portland, OR 97211 Fax 503.281.7579

Soil
FIELD DENSITY TEST REPORT
ASTM D 6938

Project No.: T10137 Date: 9/10/2010
Project: Kent Slag Site
Inspector: John Opgenorth
MTE Nuclear Gauge No.: 20

Test #	Location: East end of site	Depth or Elevation (feet)	Backscatter / Direct Transmission	Laboratory		Field				Soil Type Description
				Max Dry Density (PCF)	OMC %	Wet Density (PCF)	Dry Density (PCF)	Moisture Content %	Compaction %	
1	E5	~61'	DT	137.5	5.8	138	130.3	5.9	95	Brown Silty Sand with Gravel
2	E8	~61'	DT	137.5	5.8	143.6	135.4	6.1	98	Brown Silty Sand with Gravel
3	F6.5	~61'	DT	137.5	5.8	143.6	133.8	7.3	97	Brown Silty Sand with Gravel
4	F7	~61'	DT	137.5	5.8	140.8	132.2	6.5	96	Brown Silty Sand with Gravel
5	F8	~61'	DT	137.5	5.8	142.6	133	7.2	97	Brown Silty Sand with Gravel
6	G9	~61'	DT	137.5	5.8	138.2	131	5.5	95	Brown Silty Sand with Gravel

Specification Compaction and Material : 95%
☑ ASTM D 1557 (Modified Proctor)
☐ ASTM D 698 (Standard Proctor)

Type and Number of earth moving units: Dozer

Type and Number of Compaction units: Large Vibe Roller

Number of Passes: _____ Thickness of lift: _____

Method of Adding Moisture: _____

☐ In our opinion, fill generally meets specifications as indicated by test numbers: _____

☐ In our opinion, fill does not meet specifications as indicated by test numbers: _____

☑ Fill test meets compaction specifications

☑ Contractor Advised

☐ Full-time observation ☑ Part-time observation

QC Sample: Test No.: 2 Dry Density: 135.1 Moisture %: 6

Comments: Fill was in place upon arrival. Fill was firm, stable and unyielding.

MAYES TESTING ENGINEERS, INC.

Seattle Office
20225 Cedar Valley Road
Suite 110
Lynnwood, WA 98036
ph 425.742.9360
fax 425.745.1737

Tacoma Office
10029 S. Tacoma Way
Suite E-2
Tacoma, WA 98499
ph 253.584.3720
fax 253.584.3707

Portland Office
7911 NE 33rd Drive
Suite 190
Portland, OR 97211
ph 503.281.7515
fax 503.281.7579

Project No.	T10137
Project	Kent Slag Site
Address	South 228th Street & 88th Avenue South, Kent, WA
Permit No.	CNST-2101696GF
Bldg Dept.	City of Kent
Owner	Earl Jorgenson
Contractor	Clear Creek
Record No.	002
Date	9-11-10
Weather	Partly Sunny
Inspection	Soils

Performed soil density testing on the onsite fill material (brown silty sand with gravel) that had already been backfilled and compacted by the contractor upon arrival. This material was being placed along the east side of the site where the contractor had already excavated with removal of all the contaminated soil. A nuclear density gauge was used for testing as a preliminary inspection. The sample that had been obtained for a modified proctor was not completed yet. All test results will be known when this sample is completed. All information recorded on the nuclear density gauge was given to the contractor. See the attached field density test report.

After completion of proctor analysis, all tests met the minimum compaction requirement of 90%.

To the best of our knowledge, all items inspected today are in conformance with approved plans and specifications.

Inspector: Daniel Quehl

Reviewed by:

Shaun W. Sevigny, P.E.
Branch Manager

MAYES TESTING ENGINEERS, INC

20225 Cedar Valley Road, Suite 110 Ph 425.742.9360
Lynnwood, WA 98036 Fax 425.745.1737

10029 S. Tacoma Way, Suite E-2 Ph 253.584.3720
Tacoma, WA 98499 Fax 253.584.3707

7911 NE 33rd Drive, Suite 190 Ph 503.281.7515
Portland, OR 97211 Fax 503.281.7579

Soil
FIELD DENSITY TEST REPORT
ASTM D 6938

Project No.: T10137 Date: 9/11/2010
Project: Kent Slag Site
Inspector: Daniel Quehl
MTE Nuclear Gauge No.: 20

Test #	Location:	Depth or Elevation (feet)	Backscatter / Direct Transmission	Laboratory		Field				Soil Type Description
				Max Dry Density (PCF)	OMC %	Wet Density (PCF)	Dry Density (PCF)	Moisture Content %	Compaction %	
1	10' W of E side of excavation in grid section 8	At Grade	DT	137.5	5.8	137.1	129.8	5.6	94	Brown Silty Sand with Gravel
2	10' W of E side of excavation in grid section 9	At Grade	DT	137.5	5.8	134.2	127.1	5.6	92	Brown Silty Sand with Gravel
3	10' W of E side of excavation in grid section 10	At Grade	DT	137.5	5.8	134.9	127.7	5.6	93	Brown Silty Sand with Gravel
4	15' W of E side of excavation in grid section 11	At Grade	DT	137.5	5.8	136.6	129.5	5.5	94	Brown Silty Sand with Gravel
5	15' W of E side of excavation in grid section 12	-1'	DT	137.5	5.8	140.3	133.7	5	97	Brown Silty Sand with Gravel
6	15' W of E side of excavation in grid section 13	-1'	DT	137.5	5.8	134.8	128	5.3	93	Brown Silty Sand with Gravel

Specification Compaction and Material : 90%
☑ ASTM D 1557 (Modified Proctor)
☐ ASTM D 698 (Standard Proctor)

Type and Number of earth moving units: Dozer/Trackhoe

Type and Number of Compaction units: Vibratory Roller

Number of Passes: _____ Thickness of lift: 1'

Method of Adding Moisture: _____

☐ In our opinion, fill generally meets specifications as indicated by test numbers: _____

☐ In our opinion, fill does not meet specifications as indicated by test numbers: _____

☑ Fill test meets compaction specifications

☑ Contractor Advised

☐ Full-time observation ☑ Part-time observation

QC Sample: Test No.: 2 Dry Density: 127.3 Moisture %: 5.5

Comments: Fill was in place and compacted upon arrival.

MAYES TESTING ENGINEERS, INC.

Seattle Office
20225 Cedar Valley Road
Suite 110
Lynnwood, WA 98036
ph 425.742.9360
fax 425.745.1737

Tacoma Office
10029 S. Tacoma Way
Suite E-2
Tacoma, WA 98499
ph 253.584.3720
fax 253.584.3707

Portland Office
7911 NE 33rd Drive
Suite 190
Portland, OR 97211
ph 503.281.7515
fax 503.281.7579

Project No.	T10137
Project	Kent Slag Site
Address	South 228th Street & 88th Avenue South, Kent, WA
Permit No.	CNST-2101696GF
Bldg Dept.	City of Kent
Owner	Earl Jorgenson
Contractor	Clear Creek
Record No.	003
Date	9-14-10
Weather	Overcast
Inspection	Soils

Performed soil compaction testing using a nuclear density gauge along east side of site along grid line E from 6 to 11.5 at approximate elevation 64'. Fill was in place and compacted upon inspector's arrival. Fill was firm, stable and unyielding. Results of compaction tests are preliminary pending completion of proctor, see attached field density test report for data.

After completion of proctor analysis, all tests met the minimum compaction requirement of 90%.

To the best of our knowledge, all items inspected today are in conformance with approved plans and specifications.

Inspector: John Opgenorth

Reviewed by:

Shaun W. Sevigny, P.E.
Branch Manager

MAYES TESTING ENGINEERS, INC

20225 Cedar Valley Road, Suite 110 Ph 425.742.9360
Lynnwood, WA 98036 Fax 425.745.1737

10029 S. Tacoma Way, Suite E-2 Ph 253.584.3720
Tacoma, WA 98499 Fax 253.584.3707

7911 NE 33rd Drive, Suite 190 Ph 503.281.7515
Portland, OR 97211 Fax 503.281.7579

Soil
FIELD DENSITY TEST REPORT

ASTM D 6938

Project No.: T10137 Date: 9/14/2010

Project: Kent Slag Site

Inspector: John Opgenorth

MTE Nuclear Gauge No.: T15

Test #	Location:	Depth or Elevation (feet)	Backscatter / Direct Transmission	Laboratory		Field				Soil Type Description
				Max Dry Density (PCF)	OMC %	Wet Density (PCF)	Dry Density (PCF)	Moisture Content %	Compaction %	
1	E/11.5	~64'	DT	137.5	5.8	134.5	127.5	5.5	93	Brown Silty Sand with Gravel
2	E/11	~64'	DT	137.5	5.8	137.1	129.3	6	94	Brown Silty Sand with Gravel
3	E/10	~64'	DT	137.5	5.8	135.3	127.8	5.9	93	Brown Silty Sand with Gravel
4	E/9	~64'	DT	137.5	5.8	135.6	128.1	5.8	93	Brown Silty Sand with Gravel
5	E/7	~64'	DT	137.5	5.8	135.1	127.6	5.9	93	Brown Silty Sand with Gravel
6	E/6	~64'	DT	137.5	5.8	133.2	127.2	4.7	93	Brown Silty Sand with Gravel

Specification Compaction and Material : 90%

☑ ASTM D 1557 (Modified Proctor)

☐ ASTM D 698 (Standard Proctor)

Type and Number of earth moving units: Dozer

Type and Number of Compaction units: Vibratory Roller

Number of Passes: _____ Thickness of lift: _____

Method of Adding Moisture: _____

☐ In our opinion, fill generally meets specifications as indicated by test numbers: _____

☐ In our opinion, fill does not meet specifications as indicated by test numbers: _____

☑ Fill test meets compaction specifications

☑ Contractor Advised

☐ Full-time observation ☑ Part-time observation

QC Sample: Test No.: 2 Dry Density: _____ Moisture %: _____

Comments: Fill was firm, stable and unyielding.

MAYES TESTING ENGINEERS, INC.

Seattle Office
20225 Cedar Valley Road
Suite 110
Lynnwood, WA 98036
ph 425.742.9360
fax 425.745.1737

Tacoma Office
10029 S. Tacoma Way
Suite E-2
Tacoma, WA 98499
ph 253.584.3720
fax 253.584.3707

Portland Office
7911 NE 33rd Drive
Suite 190
Portland, OR 97211
ph 503.281.7515
fax 503.281.7579

Project No.	T10137
Project	Kent Slag Site
Address	South 228th Street & 88th Avenue South, Kent, WA
Permit No.	CNST-2101696GF
Bldg Dept.	City of Kent
Owner	Earl Jorgenson
Contractor	Clear Creek
Record No.	004
Date	9-17-10
Weather	Cloudy
Inspection	Soils

Performed in place density tests on brown silty sand with gravel used as fill in area where slag has been removed. Material was placed with a trackhoe and dozer and compacted with a vibratory roller.

All tests met minimum compaction requirements today. Please see field density report for locations and results.

To the best of our knowledge, all items inspected today are in conformance with approved plans and specifications.

Inspector: Gary Lutz

Reviewed by:

Shaun W. Sevigny, P.E.
Branch Manager

MAYES TESTING ENGINEERS, INC

20225 Cedar Valley Road, Suite 110 Ph 425.742.9360
Lynnwood, WA 98036 Fax 425.745.1737

10029 S. Tacoma Way, Suite E-2 Ph 253.584.3720
Tacoma, WA 98499 Fax 253.584.3707

7911 NE 33rd Drive, Suite 190 Ph 503.281.7515
Portland, OR 97211 Fax 503.281.7579

Soil
FIELD DENSITY TEST REPORT
ASTM D 6938

Project No.: T10137 Date: 9/17/2010
Project: Kent Slag Site
Inspector: Gary Lutz
MTE Nuclear Gauge No.: T15

Test #	Location: Removed slag fill area	Depth or Elevation (feet)	Backscatter / Direct Transmission	Laboratory		Field				Soil Type Description
				Max Dry Density (PCF)	OMC %	Wet Density (PCF)	Dry Density (PCF)	Moisture Content %	Compaction %	
1	Line 6 east side	Subgrade	DT	137.5	5.8	136.8	128.3	6.6	93	Brown Silty Sand with Gravel
2	Line 7.5 west side	Subgrade	DT	137.5	5.8	136	128.4	5.9	93	Brown Silty Sand with Gravel
3	Line 9.5 middle	Subgrade	DT	137.5	5.8	134.1	125.3	7.1	91	Brown Silty Sand with Gravel
4	Line D.5 middle	Subgrade	DT	137.5	5.8	133.8	124.7	7.7	91	Brown Silty Sand with Gravel

Specification Compaction and Material : 90%
☑ ASTM D 1557 (Modified Proctor)
☐ ASTM D 698 (Standard Proctor)

Type and Number of earth moving units: Dozer/Trackhoe

Type and Number of Compaction units: Vibratory Roller

Number of Passes: Varied Thickness of lift: 12"

Method of Adding Moisture: None

☐ In our opinion, fill generally meets specifications as indicated by test numbers:

☐ In our opinion, fill does not meet specifications as indicated by test numbers:

☑ Fill test meets compaction specifications

☑ Contractor Advised

☑ Full-time observation ☐ Part-time observation

QC Sample: Test No.: Dry Density: Moisture %:

Comments:

MAYES TESTING ENGINEERS, INC.

Seattle Office
20225 Cedar Valley Road
Suite 110
Lynnwood, WA 98036
ph 425.742.9360
fax 425.745.1737

Tacoma Office
10029 S. Tacoma Way
Suite E-2
Tacoma, WA 98499
ph 253.584.3720
fax 253.584.3707

Portland Office
7911 NE 33rd Drive
Suite 190
Portland, OR 97211
ph 503.281.7515
fax 503.281.7579

Project No.	T10137
Project	Kent Slag Site
Address	South 228th Street & 88th Avenue South, Kent, WA
Permit No.	CNST-2101696GF
Bldg Dept.	City of Kent
Owner	Earl Jorgenson
Contractor	Clear Creek
Record No.	005
Date	9-22-10
Weather	Overcast
Inspection	Soils

Performed soil density testing on the brown silty sand with gravel material being used for onsite fill. This material was already backfilled and compacted upon arrival from grid section E-9 to E-13. Testing was performed using a nuclear density gauge and a proctor value of 137.5 pcf at 5.8% optimum moisture. All tests met the 90% required compaction and contractor was informed of these results. See the attached field density test report.

To the best of our knowledge, all items inspected today are in conformance with approved plans and specifications.

Inspector: Daniel Quehl

Reviewed by:

Shaun W. Sevigny, P.E.
Branch Manager

MAYES TESTING ENGINEERS, INC

20225 Cedar Valley Road, Suite 110 Ph 425.742.9360
Lynnwood, WA 98036 Fax 425.745.1737

10029 S. Tacoma Way, Suite E-2 Ph 253.584.3720
Tacoma, WA 98499 Fax 253.584.3707

7911 NE 33rd Drive, Suite 190 Ph 503.281.7515
Portland, OR 97211 Fax 503.281.7579

Soil
FIELD DENSITY TEST REPORT
ASTM D 6938

Project No.: T10137 Date: 9/22/2010
Project: Kent Slag Site
Inspector: Daniel Quehl
MTE Nuclear Gauge No.: 16

Test #	Location: At grid section	Depth or Elevation (feet)	Backscatter / Direct Transmission	Laboratory		Field				Soil Type Description
				Max Dry Density (PCF)	OMC %	Wet Density (PCF)	Dry Density (PCF)	Moisture Content %	Compaction %	
1	E-9	At Grade	Direct	137.5	5.8	142.4	134.4	5.9	98	Brown Silty Sand with Gravel
2	E-10	At Grade	Direct	137.5	5.8	141.9	133.2	6.5	97	Brown Silty Sand with Gravel
3	E-11	-4'	Direct	137.5	5.8	134.6	126.2	6.6	92	Brown Silty Sand with Gravel
4	E-12	-9'	Direct	137.5	5.8	136.1	129.1	5.4	94	Brown Silty Sand with Gravel

Specification Compaction and Material : 90%
☑ ASTM D 1557 (Modified Proctor)
☐ ASTM D 698 (Standard Proctor)

Type and Number of earth moving units: (1) Dozer & Trackhoe

Type and Number of Compaction units: (1) Vibratory Roller

Number of Passes: _____ Thickness of lift: _____

Method of Adding Moisture: _____

☐ In our opinion, fill generally meets specifications as indicated by test numbers: _____

☐ In our opinion, fill does not meet specifications as indicated by test numbers: _____

☑ Fill test meets compaction specifications

☑ Contractor Advised

☐ Full-time observation ☑ Part-time observation

QC Sample: Test No.: 3 Dry Density: 126.1 Moisture %: 6.5

Comments: The material was already in place and compacted upon arrival.

MAYES TESTING ENGINEERS, INC.

Seattle Office
20225 Cedar Valley Road
Suite 110
Lynnwood, WA 98036
ph 425.742.9360
fax 425.745.1737

Tacoma Office
10029 S. Tacoma Way
Suite E-2
Tacoma, WA 98499
ph 253.584.3720
fax 253.584.3707

Portland Office
7911 NE 33rd Drive
Suite 190
Portland, OR 97211
ph 503.281.7515

DATE: 9/16/2010
CLIENT: Farallon Consulting, LLC

PROJECT: Kent Slag Site
PROJECT # T10137
LAB. # 10205

REPORT STATUS: ☑ Original ☐ Amended

SAMPLE DESCRIPTION:

Brown Silty Sand with Gravel
On-site Stockpile

Date Sample Received: 9/10/2010

TEST RESULTS:

Proctor Analysis (ASTM D698, D1557 or AASHTO T99, T180)
See attached analysis sheet.

Tested By: Nancy Simmons
Date Tested: 09/14-15/2010

Reviewed By: S.W.Sev
Shaun Sevigny, P.E., Branch Manager

MAYES TESTING ENGINEERS, INC.

10029 S. Tacoma Way, Suite E-2 Ph 253-584-3720
Tacoma, WA 98499 Fax 253-584-3707

Moisture Density Relationship Test

Client: Farallon Consulting, LLC
Project: Kent Slag Site
Test Method: ASTM D-1557 Method C / C 127 / D 4718 (if needed)

Report Date: 9/16/2010
Date Tested: 09/14-15/2010
Project Number: T10137
Lab Number: 10205

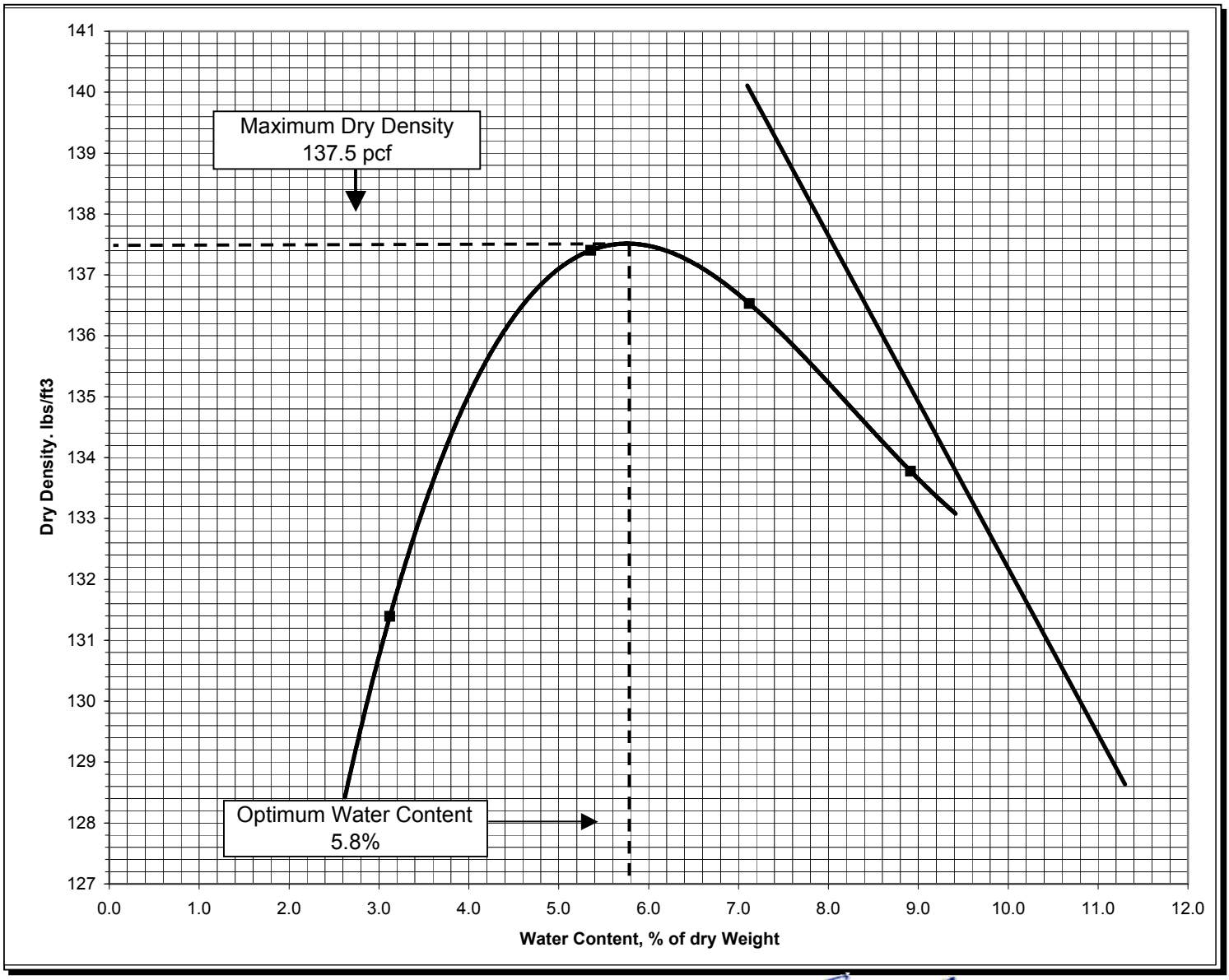
Wet Preparation		Mechanical	X
Dry Preparation	X	Hand Tamper	

Date Received: 9/10/2010
Source of Sample: On-site Stockpile
Description of Sample: Brown Silty Sand with Gravel

Zero Void line plotted at SpG:	2.65
Max. Density Uncorrected:	136.1

Test Results	
Optimum Water Content %	5.8
Max Dry Density Corr. lbs/ft^3	137.5

Sieve Analysis	
Sieve Size	Percent Retained
3/4	6%
3/8	12%
#4	23%



Tested By: Nancy Simmons

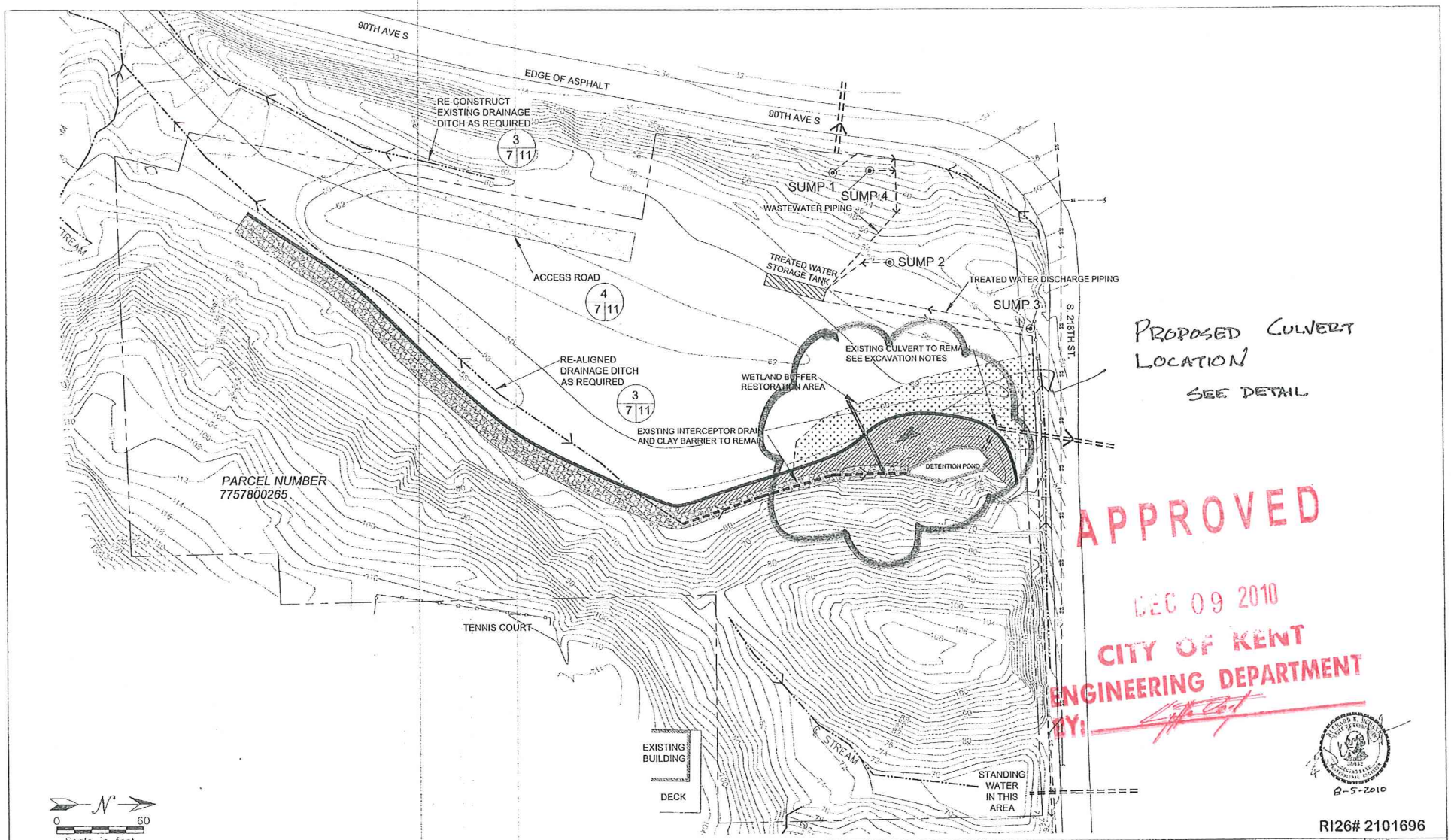
Reviewed By: Shaun Sevigny, P.E., Branch Manager

APPENDIX K
CULVERT DETAILS

COMPLETION AND COMPLIANCE MONITORING REPORT
Slag Disposal, Beckwith Property Site
South 218th Street and 90th Avenue South
Kent, Washington

Farallon PN: 831-022

EMS Slag Disposal Site RI26 2101696



APPROVED

DEC 09 2010

CITY OF KENT

ENGINEERING DEPARTMENT

BY:

8-5-2010

RI26# 2101696

N

0 60

Scale in feet

CONTOUR INTERVAL: 2 FOOT

CITY OF KENT APPROVAL

APPROVED BY: Chad Bien

DATE: 8/6/10

DATE	DESCRIPTION	BY	CKD.	APP.
7/16/10	ISSUED FOR CONSTRUCTION	DEW	HF	RM
6/16/10	ISSUED FOR CONSTRUCTION	DEW	HF	RM

PREPARED BY

FARALLON CONSULTING
975 5th Avenue Northwest
Issaquah, WA 98027

PREPARED FOR

EARLE M. JORGENSEN COMPANY
10650 ALAMEDA STREET
LYNWOOD, CALIFORNIA 90262

SLAG DISPOSAL BECKWITH PROPERTY EXCAVATION PROJECT
KENT, WASHINGTON

FINAL GRADING PLAN

SCALE: AS SHOWN
PROJECT NO. 631-072
FILE NAME: SHEET SET6.dwg
SHEET NO. 7 OF 13

320 3rd Avenue NE, Issaquah, WA 98027
T: 425 . 427-0061
F: 425 . 427-0067

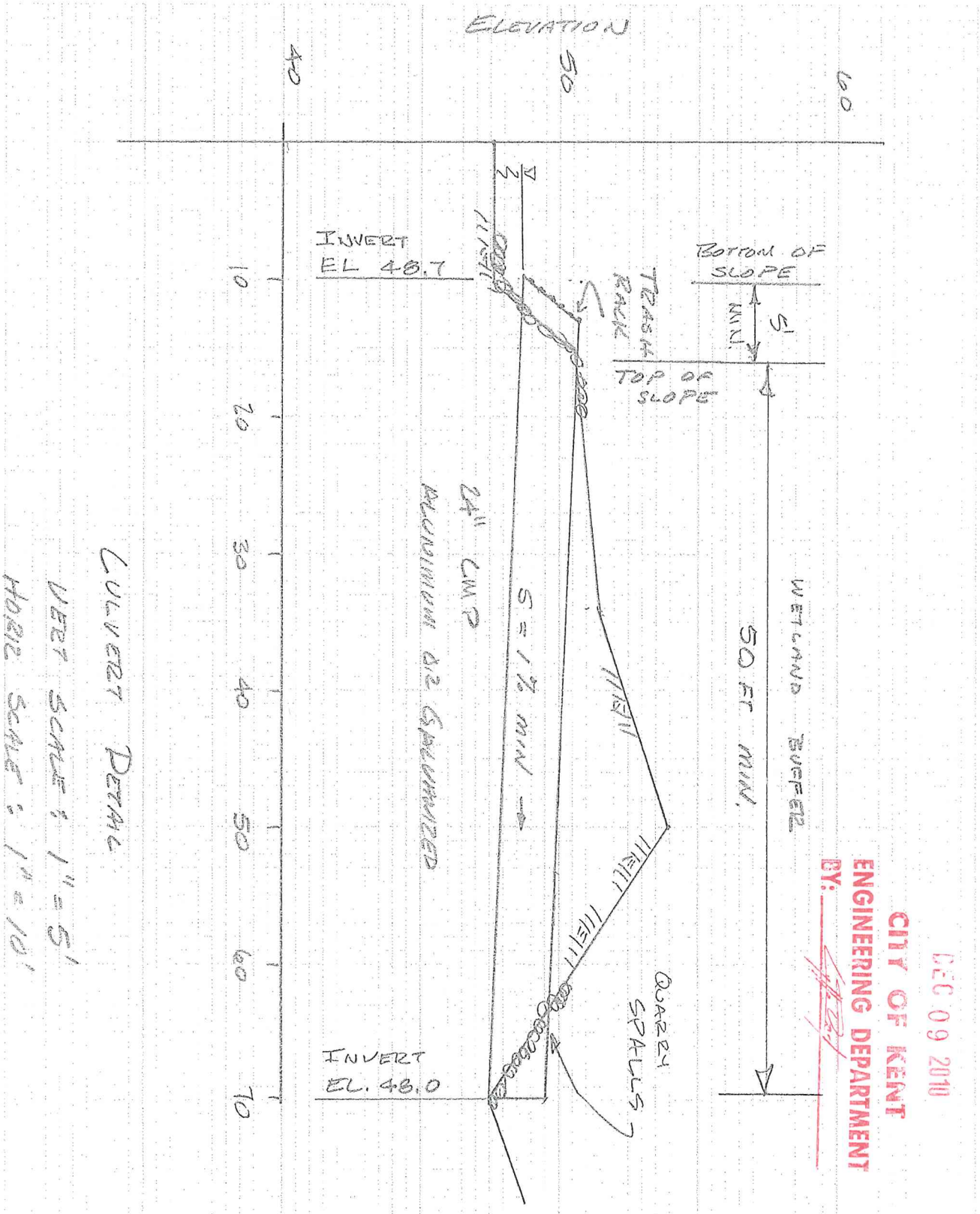
FARALLON CONSULTING
Quality Service for Environmental Solutions

Computation Sheet

Sheet 1 of 1

Project # 931 - 022 -
Project Name Kent Slag Site
Subject Culvert Detail

Prepared By RWH Date 11/24/10
Checked by _____ Date _____



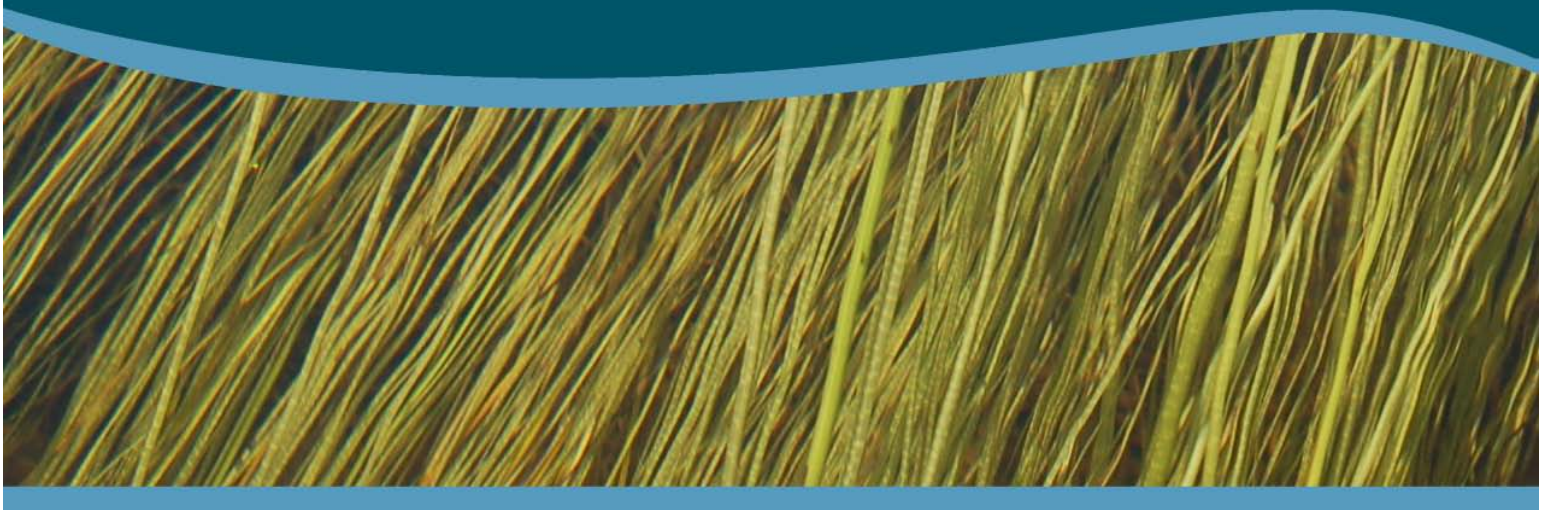
APPROVED
DEC 09 2010
CITY OF KENT
ENGINEERING DEPARTMENT
BY:

APPENDIX L
WETLAND BUFFER RESTORATION AS-BUILT REPORT AND CITY OF KENT APPROVAL LETTER

COMPLETION AND COMPLIANCE MONITORING REPORT
Slag Disposal, Beckwith Property Site
South 218th Street and 90th Avenue South
Kent, Washington

Farallon PN: 831-022

REPORT



WETLAND BUFFER ENHANCEMENT/RESTORATION AS-BUILT REPORT KENT SLAG EXCAVATION PROJECT

Prepared for

Farallon Consulting, LLC

Prepared by

Anchor QEA, LLC
720 Olive Way
Suite 1900
Seattle, WA 98101

April 2011

WETLAND BUFFER ENHANCEMENT/RESTORATION AS-BUILT REPORT

KENT SLAG SITE EXCAVATION PROJECT

Prepared for

Farallon Consulting L.L.C.

Prepared by

Anchor QEA, LLC
720 Olive Way
Suite 1900
Seattle, Washington 98101

April 2011

TABLE OF CONTENTS

1 INTRODUCTION 1

2 PROJECT WETLAND BUFFER ENHANCEMENT/RESTORATION MONITORING BACKGROUND AND STATUS 4

2.1 Existing Information 4

3 WETLAND BUFFER ENHANCEMENT/RESTORATION MITIGATION GOALS AND OBJECTIVES 5

4 PRE-CONSTRUCTION CONDITIONS 6

4.1 Results of the Habitat Assessment 6

5 WETLAND BUFFER ENHANCEMENT/RESTORATION PLAN IMPLEMENTATION 7

5.1 Approach 7

5.1.1 Compensation 7

5.2 Planting Plan Concept 7

5.2.1 Planting Layout 8

5.2.2 Construction Documents and Planting Specifications 9

6 POST-CONSTRUCTION AS-BUILT CONDITIONS 10

6.1 Documented Conditions 10

6.1.1 Preliminary Site Preparation 10

6.1.2 Planting Plan and Construction Drawings 10

6.1.3 As-Built Conditions 11

7 MONITORING METHODS AND STANDARDS OF SUCCESS 13

7.1 Monitoring 13

7.2 Performance Measures, Standards of Success, and Contingency Plans 14

8 REFERENCES 16

List of Tables

Table 1 Wetland Buffer Enhancement/Restoration Monitoring Status April 2011 4

Table 2 Sizes, Classifications, and Ratings of Wetlands Located within the Project Site 6

Table 3 Plant Species Identified in the Wetland Buffer Planting Plan 8

Table 4 Plant Species and Quantities Planted at the Wetland Buffer Enhancement/Restoration Area in February 2011 9

List of Figures

Figure 1 Vicinity Map 3

Figure 2 Wetland Buffer Plan 12

List of Appendices

Appendix A Wetland Buffer Planting Plans

Appendix B Monitoring Site Photograhs

1 INTRODUCTION

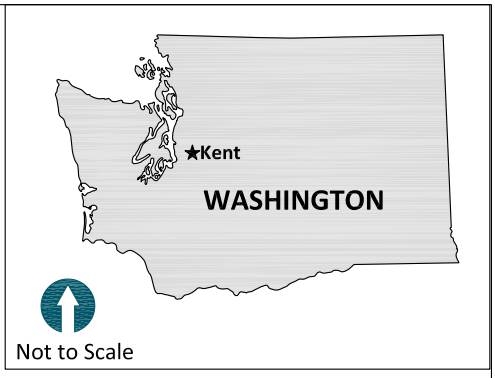
This *Wetland Buffer Enhancement/Restoration As-Built Report* documents the baseline results of the Kent Slag Site Excavation Project (Project) wetland buffer enhancement/restoration. Wetland buffer mitigation was implemented as part of the approved *Wetland Buffer Enhancement/Restoration Plan* (Anchor QEA 2010a) for wetland buffer impacts associated with the Project. The *Wetland Buffer Enhancement/Restoration Plan* provided information necessary for code compliance and permit approval by the City of Kent (City). The wetland buffer enhancement/restoration planting area for the Project is located on an approximately 4.7-acre parcel of land located in the City of Kent, King County, Washington (Township 22 North, Range 5 East, Section 7). The Project site is located on the east side of Highway 167 at the intersection of South 218th Street and 88th Avenue South (Figure 1).

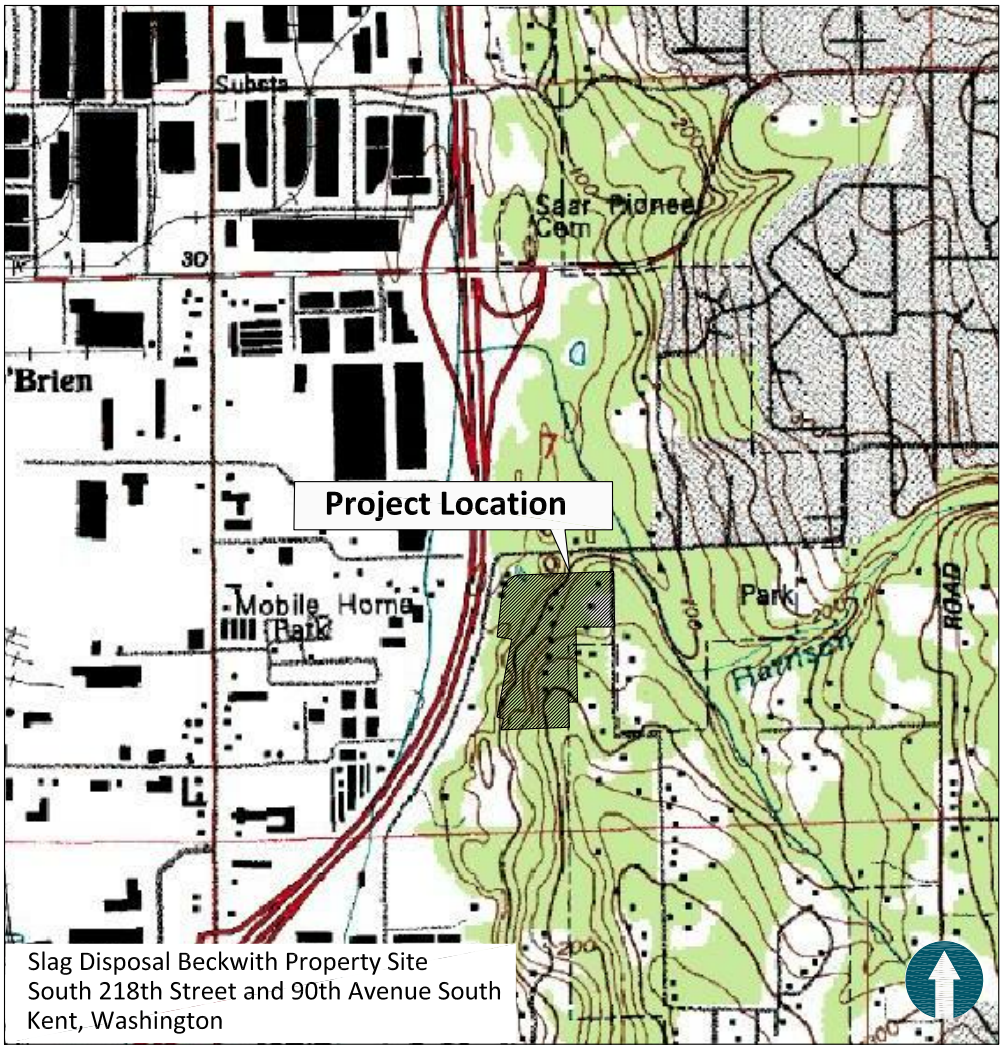
The purpose of this *Wetland Buffer Enhancement/Restoration As-built Report* is to document field changes or modifications during construction and to serve as a baseline (Year 0) from which future monitoring can take place. This report has also been written and organized in an effort to provide project background and to document field changes or modifications during construction. Based on site observations, data collection, and analysis performed for this report, several follow-up actions were identified. The amount of clearing of the Wetland I buffer is slightly larger than as identified in the *Wetland Buffer Enhancement/Restoration Plan* (Anchor QEA 2010a). The approximate amount of area associated with Wetland I restored during construction is approximately 0.144 acre (6,260 square feet [sf]), slightly more area than the 0.13 acre (5,440 sf) identified in the construction plans. This increased area includes an edge of coir log at the eastern edge of the planting area, the preservation of two existing trees, and the placement of three logs. The overall planting density has not changed. Second, a small area—approximately 0.006 acre (260 sf) of wetland buffer associated with Wetland M—was cleared during construction that was not identified on the construction plans. This area is adjacent to the existing unpaved access road within the site. Seven native shrubs, including salmonberry (*Rubus spectabilis*), were planted in this temporarily disturbed wetland buffer area and are included in the monitoring area. In addition, two items to be installed at the site per the as-built construction drawings were not observed during the March 2011 site inspection (Anchor QEA 2011b): rodent

protection mesh around the planted trees, and water rings around the planted trees and shrubs.

Documentation of as-built site conditions contained in this report include a narrative of observations, data collected during the site visit, site photographs, and vegetation planting information. Information from the approved mitigation plan is summarized or included by reference in this report. With the submittal of this report, reporting requirements will be complete for the as-built Year 0 monitoring of the wetland buffer enhancement/restoration area. In accordance with the specifications and commitments outlined in the mitigation plan (Anchor 2010a), a 3-year monitoring effort of the wetland buffer enhancement/restoration is underway and will continue. Original, as-built construction drawings from the *Wetland Buffer Enhancement/Restoration Plan* (Anchor QEA 2010a) are included in Appendix A. As-built monitoring site photographs are provided in Appendix B.

SOURCE: Base map prepared from Terrain Navigator Pro USGS 7.5 minute quadrangle map(s) of Kent, WA.





K:\Jobs\100224-EMJ Slag\100224-01\100224-RP-004.dwg Layout1

Apr 19, 2011 1:53pm bbermingham

Figure 1
Vicinity Map
Wetland Buffer Enhancement/Restoration As-Built Report
Slag Disposal Beckwith Property Site

ANCHOR QEA

2 PROJECT WETLAND BUFFER ENHANCEMENT/RESTORATION MONITORING BACKGROUND AND STATUS

The status of wetland buffer enhancement/restoration monitoring activities associated with the Project as of April 2011 is summarized in Table 1.

Table 1
Wetland Buffer Enhancement/Restoration Monitoring Status April 2011

Mitigation Element	Wetland Buffer Enhancement/Restoration Area
Planting Completion	February 2011
As-Built Report	April 2011
Year 1 Monitoring	Scheduled Summer/Fall 2011
Year 2 Monitoring	Scheduled Summer/Fall 2012
Year 3 Monitoring	Scheduled Summer/Fall 2012

2.1 Existing Information

Several reports have been completed that are relevant to wetland buffer enhancement/restoration activities for the Project. These documents are listed as follows to provide a background summary of Project mitigation activities. Information from these documents is included by reference in this report:

- *South 224th Street Extension Wetland Technical Report* (ESA Adolfson 2006)
- *Beckwith Property Slag Disposal Site Wetland Delineation Report* (Springwood Associates, Inc. 1995)
- *Kent Slag Site Excavation Project Design Plans* (Farallon Consulting L.L.C. 2010a)
- *Draft Cleanup Action Work Plan* (Farallon Consulting L.L.C. 2010b)
- *Wetland Buffer Enhancement/Restoration Plan* (Anchor QEA 2010a)
- *Wetland Buffer Planting Plan* (Anchor QEA 2010b)
- *Inspection of Delivered Plants and Planting Procedures Field Report* (Anchor QEA 2011a)
- *Inspection of Planting Areas Field Report* (Anchor QEA 2011b)

3 WETLAND BUFFER ENHANCEMENT/RESTORATION MITIGATION GOALS AND OBJECTIVES

The overarching goal of the wetland buffer restoration is to address replacement of wetland buffer functions impacted by the Project and to increase these functions at the Project site. To achieve this goal, wetland buffer enhancement/restoration included planting native vegetation to replace wetland buffer vegetation removed during construction. The impact area was dominated by grassland habitat with non-native shrub vegetation. Overall, impacted grassland habitat was replaced with native shrub and forested vegetation communities.

Monitoring is performed to determine whether a project has met the ecological and functional goals of the design. To meet these goals, the following objectives were developed during the Project mitigation planning process to compensate for loss and damage to the wetland buffer area:

- Provide demonstrable and qualitative replacement of functional elements of the natural system on the site
- Establish native wetland buffer plant communities by planting native species and removing invasive species
- Use native and naturalized plant species commonly found in wetland buffer habitats of the Pacific Northwest
- Simulate, with the plantings, Pacific Northwest native plant communities in terms of composition, cover, and structure
- Replace, at a ratio of at least 1:1, wetland buffer habitat lost due to Project impacts
- Remove any non-native invasive species, such as Scot's broom (*Cytisus scoparius*) and Himalayan blackberry (*Rubus discolor*), from the portion of Wetland I buffer bordering the portion to be enhanced/restored
- Adhere to performance standards as detailed in the Project mitigation plan (Anchor QEA 2010a)

4 PRE-CONSTRUCTION CONDITIONS

The *Wetland Buffer Enhancement/Restoration Plan* identified and described pre-construction habitat baseline conditions (Anchor QEA 2010a). A summary of information from that report is provided in the following section.

4.1 Results of the Habitat Assessment

Four wetlands were identified within the Project site, identified as Wetlands I, L, M, and N. Of these four wetlands, excavation encroached into the wetland buffer of Wetlands I and M and avoided the buffers of Wetlands L and N. Wetlands and the associated wetland buffers are shown on the design plans in Attachment A. Table 2 presents a summary of the four wetlands in the Project site.

Table 2
Sizes, Classifications, and Ratings of Wetlands Located within the Project Site

Wetland	Wetland Size (acres)	USFWS (Cowardin) Classification	Hydrogeomorphic Classification	State Rating (Ecology)	City of Kent Rating	City of Kent Wetland Buffer (feet)
I	0.03	POW	Depressional	IV	IV	50
L	0.04	PEM	Depressional	IV	IV	50
M	0.004	PEM	Depressional	IV	IV	50
N	0.03	PEM	Depressional	IV	IV	50

USFWS = U.S. Fish and Wildlife Service
POW = Palustrine Open Water
PEM = Palustrine Emergent

The wetland buffer habitat within the existing 50-foot buffers of Wetlands M and I (where wetland buffer impacts occurred) provides poor quality habitat functions. The wetland buffer within the area of excavation was dominated by a mosaic of native and nonnative grass and herbaceous species with no trees, and shrubs are limited to the non-native species Scot's broom and Himalayan blackberry. The wetland buffer habitat associated with Wetland M that was disturbed included some native shrub species, but is a very small area adjacent to the existing unpaved access road.

5 WETLAND BUFFER ENHANCEMENT/RESTORATION PLAN IMPLEMENTATION

5.1 Approach

The approved *Wetland Buffer Enhancement/Restoration Plan* provided information necessary for code compliance and permit approval by the City (Anchor QEA 2010a). The wetland buffer enhancement/restoration area is shown on the design plan (Appendix A).

5.1.1 Compensation

Based on the information collected during pre-construction site visits and the final disturbance area following construction, the following on-site wetland buffer enhancement/restoration actions for impacts associated with the Project were implemented:

- Plant 0.144 acre (6,260 sf) of native vegetation associated with the wetland buffer of Wetland I in accordance with the *Wetland Buffer Planting Plan* (Appendix A) (slightly more area than the 0.13 acre [5,440 sf] identified in the construction plans)
- Plant seven salmonberry shrubs in the approximately 0.006 acre (260 sf) area of wetland buffer for Wetland M for temporary buffer impacts that were not identified in the *Wetland Buffer Planting Plan* (Appendix A)
- Conduct a 3-year monitoring of the wetland buffer enhancement/restoration in accordance with the specifications and conditions outlined in the *Wetland Buffer Enhancement/Restoration Plan* (Anchor QEA 2010)

5.2 Planting Plan Concept

The *Wetland Buffer Planting Plan* prepared in 2010 for wetland buffer enhancement/restoration associated with the Project includes as-built construction drawings and the list of plant species planted at the enhancement/restoration area. The *Wetland Buffer Planting Plan* is included in Appendix A. Planting of the enhancement/restoration area was initiated and completed in February 2011 (Anchor QEA 2011a and 2011b). Species identified in the planting plan and species planted in February 2011 are also identified in Table 3.

Table 3
Plant Species Identified in the Wetland Buffer Planting Plan

Scientific Name	Common Name
Trees	
Acer macrophylum	Big-leaf maple
Alnus rubra	Red alder
Pseudotsuga menziesii	Douglas fir
Thuja plicata	Western red cedar
Shrubs	
Oemleria cerasiformis	Indian plum
Rosa nutkana	Nootka rose
Rubus spectabilis	Salmonberry
Symphoricarpos albus	Snowberry
Groundcover	
Polystichum munitum	Sword fern

The wetland buffer planting plan (Appendix A) includes plant lists and the planting design for the entire enhancement/restoration area (due to the relatively small size of the enhancement/restoration area). The spacing of the plantings per the construction drawings is 15-foot on-center (OC) for tree species and 6-foot OC for shrub species. The planted area soils were amended to encourage rapid growth and plant health.

5.2.1 Planting Layout

Planting of trees, shrubs, and groundcover ferns occurred in February 2011, which was the first winter season after construction, when the soil moisture was near the ground surface and soil temperatures were favorable for establishing roots and plant growth (Anchor QEA 2011b). A total of 28 trees, 144 shrubs, and 147 ferns were planted in the wetland buffer enhancement/restoration area. A list of the plant species and quantities planted at the enhancement/restoration area is provided in Table 4.

Table 4
Plant Species and Quantities Planted at the Wetland Buffer Enhancement/Restoration Area in February 2011

Scientific Name	Common Name	Number Planted
Trees		
Acer macrophylum	Big-leaf maple	6
Alnus rubra	Red alder	9
Pseudotsuga menziesii	Douglas fir	8
Thuja plicata	Western red cedar	5
Total		**28**
Shrubs		
Oemleria cerasiformis	Indian plum	36
Rosa nutkana	Nootka rose	28
Rubus spectabilis	Salmonberry	45
Symphoricarpos albus	Snowberry	35
Total		**144**
Groundcover		
Polystichum munitum	Sword fern	147
Total		**147**

5.2.2 Construction Documents and Planting Specifications

Construction documents and planting specifications prepared in 2010 associated with the wetland buffer enhancement/restoration accompanied the approved *Wetland Buffer Enhancement/Restoration Plan* (Anchor QEA 2010a) (Appendix A). In addition, an inspection of plants delivered to the Project site for planting was performed in February 2011 (Anchor QEA 2011a), and a post-planting site inspection was performed in March 2011 (Anchor QEA 2011b).

6 POST-CONSTRUCTION AS-BUILT CONDITIONS

6.1 Documented Conditions

During the as-built survey conducted on March 28, 2011, site grading, vegetation plantings, and other general site conditions were observed within the wetland buffer enhancement/restoration area. Due to the relatively small size of the enhancement/restoration area (approximately 6,260 sf for Wetland I buffer and approximately 260 sf for Wetland M buffer), annual monitoring of the entire enhancement/restoration area for Years 1 through 3 is proposed instead of establishing sample plots within these small areas. Plant spacing measurements were taken as part of a semi-quantitative vegetation inventory to verify through quantity, species, and size whether or not the plantings were installed per the approved planting plan. In addition, a series of photographs documenting photo points for future monitoring and a photographic record of existing site conditions can be found in Photographs 1 through 4 in Appendix B. The photo point locations are illustrated in Figure 2.

6.1.1 Preliminary Site Preparation

The site preparation objectives were achieved.

6.1.2 Planting Plan and Construction Drawings

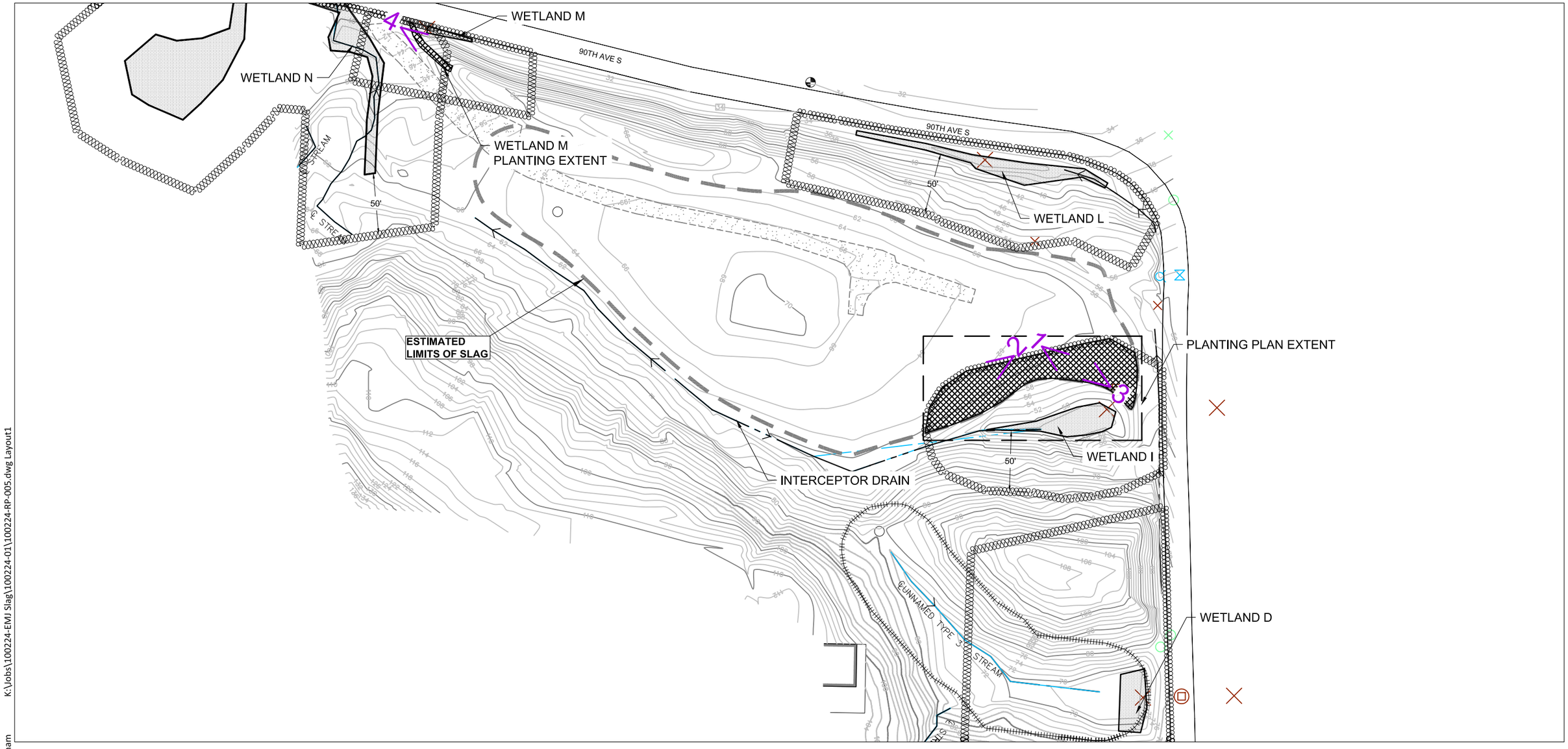
The planting plan was followed without significant modification to size or density. Modifications included a slightly larger area of Wetland I buffer cleared during construction, approximately 0.144 acre (6,260 sf) compared to 0.13 acre (5,440 sf) identified in the construction plans, and an approximately 0.006 acre (260 sf) area of Wetland M buffer cleared during construction that was not identified on the construction plans. The Wetland M buffer area was replanted with seven salmonberry shrubs. The planting plan in Appendix A depicts the planting plan and specifications that were used for installation of trees, shrubs, and groundcover (with the exception of the seven salmonberry shrubs in the Wetland M buffer that was not identified as an area with construction impacts in the original plans).

Two items that were to be installed at the site per the as-built construction drawings were not observed during the March 2011 site inspection (Anchor QEA 2011b): rodent protection mesh around the planted trees, and water rings around the planted trees and shrubs. These

items should be installed to better ensure the survivability of the planted trees and shrubs at the site.

6.1.3 As-Built Conditions

Trees and shrubs were interspersed on approximate 15-foot and 6-foot centers, respectively. All plant material appeared to be healthy, vigorous (although many species were dormant), and properly installed. All species specified (that could be accurately identified in winter) were well-represented within the wetland buffer enhancement/restoration area.



K:\Jobs\100224-EMI Slag\100224-01\100224-RP-005.dwg Layout1

Apr 21, 2011 2:52pm bbermingham

ANCHOR QEA

Figure 2
Wetland Buffer Plan
Wetland Buffer Enhancement/Restoration As-Built Report
Slag Disposal Beckwith Property Site

7 MONITORING METHODS AND STANDARDS OF SUCCESS

The wetland buffer enhancement/restoration mitigation area was designed to function as a restored wetland buffer with plant communities similar to adjacent and existing systems that provide enhanced biological productivity and wildlife habitat. Beginning in summer/fall 2011 (Year 1), this mitigation area will be evaluated on the success of the native plantings and forested and shrub native vegetation areal cover 3 years after planting. Monitoring will also include photographic documentation of site features and the development of habitat on the site. Monitoring reports will be submitted annually to the City.

As specified in the approved wetland mitigation plan (Anchor 2010a), this as-built Year 0 monitoring report was completed following implementation of the planting plan and is intended to be used to determine if the mitigation was properly implemented. No need for corrective actions was found. This report documents post-construction conditions in the wetland buffer enhancement/restoration area and will serve as the baseline from which achievement of mitigation objectives can be measured. Each monitoring report in Years 1 through 3 will document project success relative to the performance standards contained in the approved wetland mitigation plan.

7.1 Monitoring

Due to the relatively small size of the wetland buffer enhancement/restoration area (approximately 6,260 sf for Wetland I buffer and approximately 260 sf for Wetland M buffer), annual monitoring for Years 1 through 3 will include the entire enhancement/restoration area instead of establishing sample plots within these small areas. Annual monitoring will take place near the end of the growing season (summer or early fall) prior to leaf drop.

Monitoring activities will focus on the collection of vegetation and wildlife data to evaluate, describe, and quantify (to the extent possible) wetland buffer functions and compliance with the performance measures. Monitoring will also include photographic documentation of site features and the development of habitat on the site. Specific monitoring methods are described as follows.

During the monitoring, areal cover of all planted and colonizing shrub and tree species within the wetland buffer enhancement/restoration area will be estimated and the number of shrubs and trees will be counted. Shrub and tree heights will be measured and averaged for each species. Plant heights that exceeded 7 feet will be estimated. General plant conditions will be evaluated.

Total shrub, tree, and overall herbaceous vegetation areal cover percentages will be estimated. A list of all colonizing species observed at the site during the monitoring will be recorded.

Using the above information, annual growth and areal cover comparisons will be made. Monitoring visits will identify and record all tree and shrub species, whether planted or introduced since planting, and record the areal cover of each species within the vegetative layers. Plant counts will be used to identify the survival of planted species and colonization of additional species during the monitoring period.

The wetland buffer enhancement/restoration area was photographed from four designated photo point locations. To allow for growth comparisons from year to year and to provide a long-term photographic record, photographs will be taken during each monitoring period. Year 0 photographs are presented in Appendix B.

Wildlife observed during the monitoring site visits will be identified and recorded. Any breeding or nesting activity in the mitigation area will be documented. No trapping or systematic surveys will be conducted. A cumulative list of all wildlife species observed in the mitigation area during the monitoring periods will be presented.

Evidence of human intrusion and/or vandalism in the mitigation area, if present, will be documented.

7.2 Performance Measures, Standards of Success, and Contingency Plans

Performance measures and success standards describe specific on-site characteristics that indicate a function is being provided. Performance measures are used to guide management of the mitigation area. Success standards are thresholds to be measured during the

monitoring period that demonstrate the mitigation has complied with regulatory requirements and is providing intended functions. The enhancement/restoration will be monitored for 3 years to demonstrate that intended wetland buffer functions have been achieved. Specific performance measures and success standards will be the following:

- 20 percent cover of native trees, shrubs, and groundcover species after 1 year
- 50 percent cover of native trees, shrubs, and groundcover species after 2 years
- 80 percent cover of native trees, shrubs, and groundcover species after 3 years
- 80 percent survival of planted and colonizing native trees and shrubs after 3 years
- Less than 20 percent cover of invasive species

Contingency plans describe what actions can be taken to correct site deficiencies. If there is a significant problem with the enhancement/restoration area meeting its performance standards, a contingency plan will be developed. Contingency plans may include, but are not limited to, the following:

- Plant substitutions of type, species, quantity, and/or location
- Additional plant installation to address survival or cover problems
- Weeding and additional plant installation to address invasive weed cover
- Providing fencing or plant guards around plants to prevent animal damage

Contingency plans will be developed for review and approval by the City as appropriate. In addition, implemented contingency plans will be described in the monitoring report following each year's visit. Success of the wetland buffer enhancement/restoration will be based on the mitigation goals, performance standards, and contingency measures.

8 REFERENCES

Anchor QEA LLC (Anchor QEA). 2010a. *Wetland Buffer Enhancement/Restoration Plan Kent Slag Site Excavation Project*. Prepared for Farallon Consulting L.L.C, Seattle, Washington.

Anchor QEA LLC (Anchor QEA). 2010b. *Wetland Buffer Planting Plan Kent Slag Site Excavation Project*. Prepared for Farallon Consulting L.L.C, Seattle, Washington.

Anchor QEA LLC (Anchor QEA). 2011a. *Inspection of Delivered Plants and Planting Procedures Field Report.* Prepared for Farallon Consulting L.L.C, Seattle, Washington.

Anchor QEA LLC (Anchor QEA). 2011b. *Inspection of Planting Areas Field Report.* Prepared for Farallon Consulting L.L.C, Seattle, Washington.

City of Kent, 2010. City of Kent City Code. Kent, Washington. Accessed online at http://www.codepublishing.com/wa/kent/ on April 20, 2010.

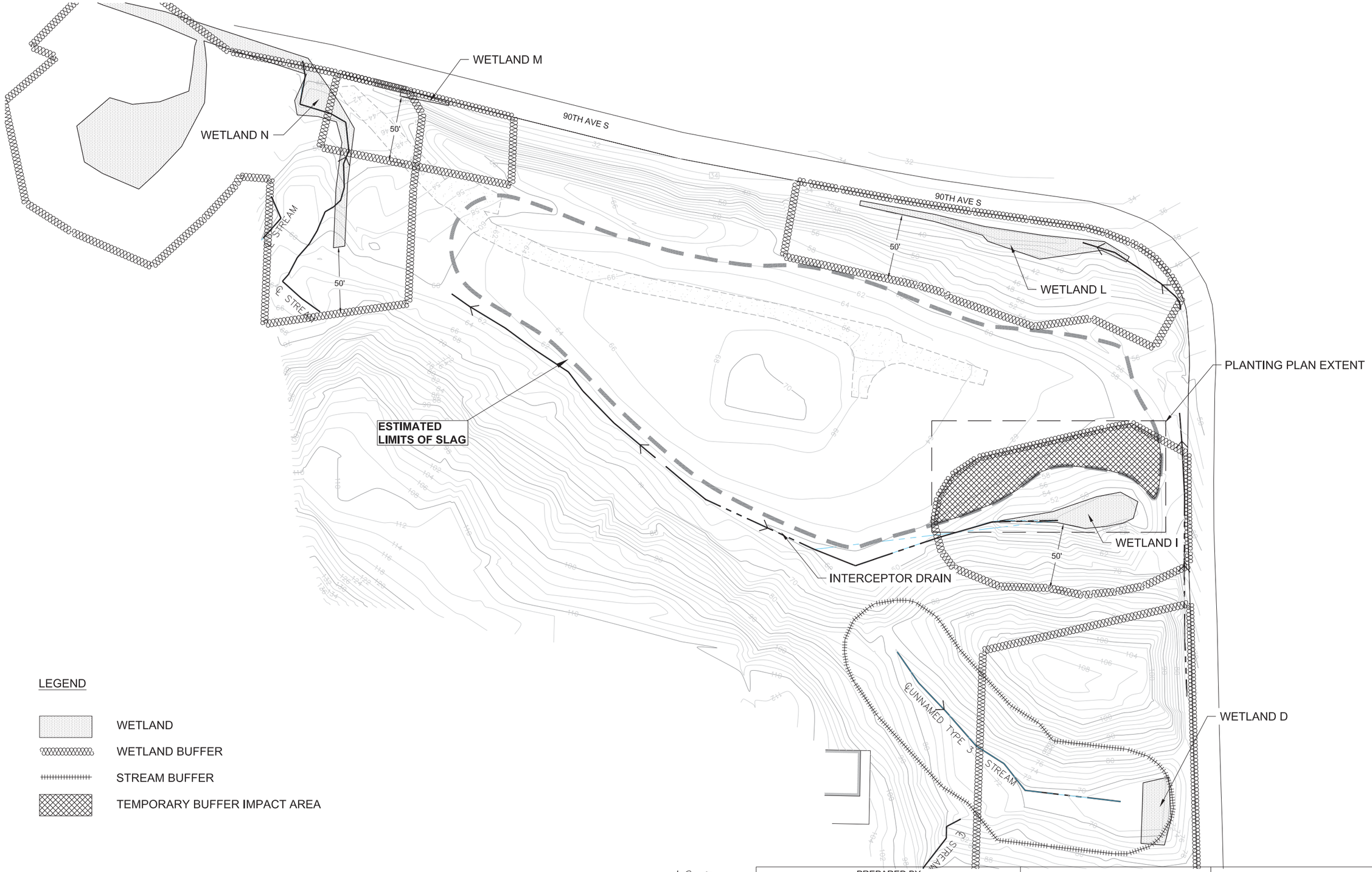
ESA Adolfson, 2006. *South 224th Street Extension Wetland Technical Report*. Prepared for City of Kent, Washington.

Farallon Consulting, 2010a. *Kent Slag Site Excavation Project Design Plans*. Prepared for Earle M. Jorgensen Company, Lynwood, California.

Farallon Consulting, 2010b. *Draft Cleanup Action Work Plan*. Prepared for Earle M. Jorgensen Company, Lynwood, California.

Springwood Associates, Inc., 1995. Beckwith Property Slag Disposal Site Wetland Delineation Report. Prepared for SECOR International, Inc. Bellevue, Washington.

APPENDIX A
WETLAND BUFFER PLANTING PLAN



LEGEND

- WETLAND
- WETLAND BUFFER
- STREAM BUFFER
- TEMPORARY BUFFER IMPACT AREA

	6/15/10	ISSUED FOR CONSTRUCTION	BMB	PH	6/22/10
	DATE	DESCRIPTION	BY	CKD.	APP.

0 70
Scale in feet
CONTOUR INTERVAL: 2 FOOT

PREPARED BY
FARALLON CONSULTING
ANCHOR QEA

PREPARED FOR
EARLE M. JORGENSEN COMPANY
10650 ALAMEDA STREET
LYNWOOD, CALIFORNIA 90262

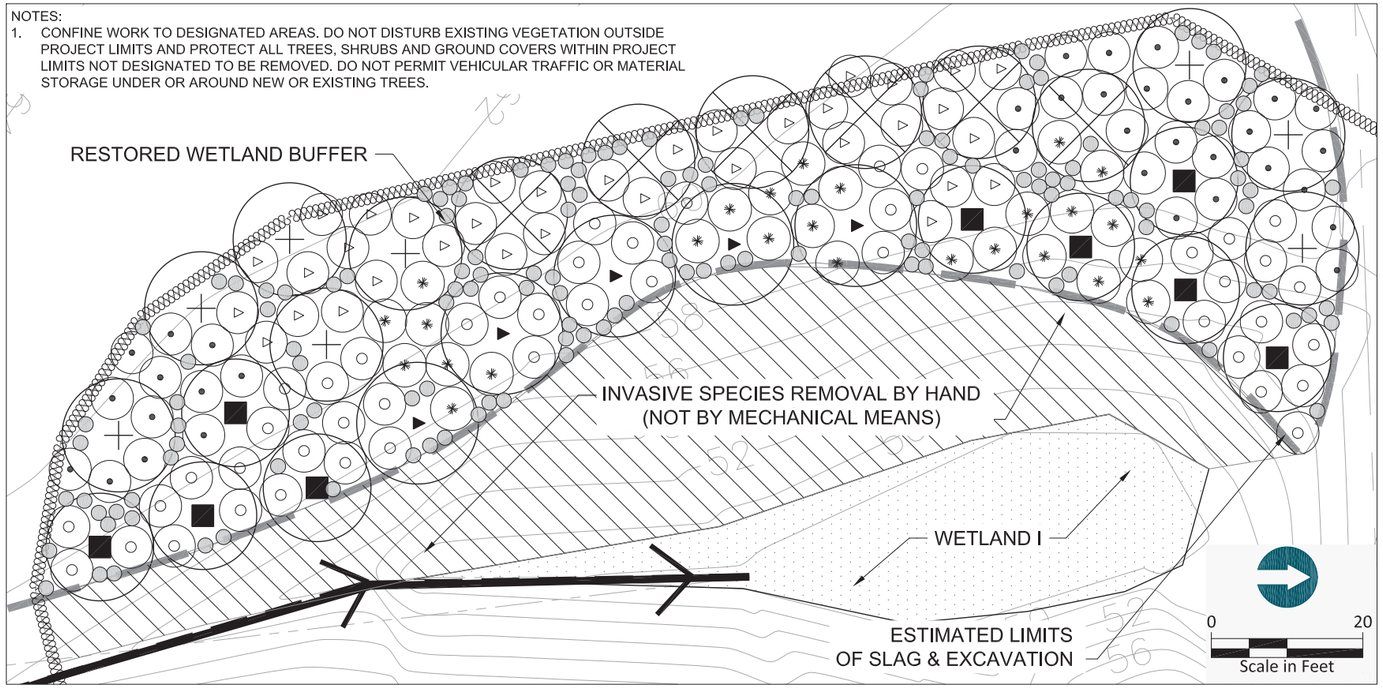
SLAG DISPOSAL BECKWITH PROPERTY SITE
KENT, WASHINGTON

WETLAND BUFFER PLAN

STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
PETER C. HUMMEL
CERTIFICATE NO. 422

SCALE AS SHOWN
PROJECT NO. 831-022
FILE NAME: 100224-PL-001.dwg
SHEET NO. W1 OF 3

NOTES:
1. CONFINE WORK TO DESIGNATED AREAS. DO NOT DISTURB EXISTING VEGETATION OUTSIDE PROJECT LIMITS AND PROTECT ALL TREES, SHRUBS AND GROUND COVERS WITHIN PROJECT LIMITS NOT DESIGNATED TO BE REMOVED. DO NOT PERMIT VEHICULAR TRAFFIC OR MATERIAL STORAGE UNDER OR AROUND NEW OR EXISTING TREES.



PLANTING PLAN

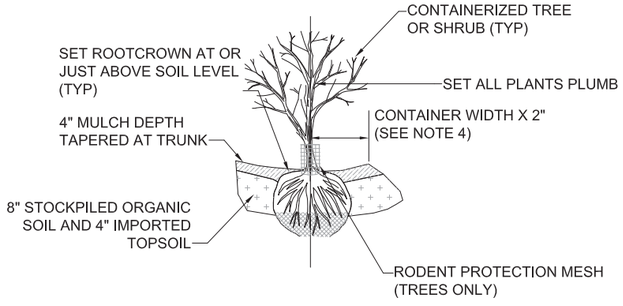
PLANTING SEQUENCE / NOTES:

1. STRIP ORGANIC SOIL AND STOCKPILE SEPARATELY FROM SLAG AND OVERBURDEN.
2. RIP, DISC, OR SCARIFY SUBGRADE SOILS TO A MINIMUM DEPTH OF 12 INCHES. DO NOT SCARIFY WITHIN DRIP LINE OF EXISTING TREES TO BE RETAINED.
3. PLACE 8" OF STOCKPILED SOILS AND 4" OF IMPORTED TOPSOIL WTIHIN WETLAND BUFFER PLANTING AREA.
4. DIG PLANTING PIT THAT IS AT LEAST TWICE THE DIAMETER OF CONTAINER. REMOVE ALL ROCKS, ROOTS, STICKS AND OTHER DEBRIS LARGER THAN 1" DIAMETER. SCARIFY THE PLANTING PIT BOTTOM AND SIDES TO A DEPTH OF 4 INCHES.
5. SET PLANT MATERIAL IN THE PLANTING PIT TO PROPER GRADE AND ALIGNMENT. SET PLANTS UPRIGHT, PLUMB, AND FACED TO GIVE THE BEST APPEARANCE OR RELATIONSHIP TO EACH OTHER. SET CROWN OF PLANT MATERIAL AT THE FINISH GRADE. NO FILLING WILL BE PERMITTED AROUND TRUNKS OR STEMS. BACKFILL THE PLANTING PIT WITH SOIL, DO NOT USE MUDDY MIXTURES FOR BACKFILLING.
6. SPACE PLANTS USING TRIANGULAR SPACING IN ACCORDANCE WITH PLANT SCHEDULE DIMENSIONS. PLANT GROUND COVERS TO WITHIN 18" OF THE TRUNKS OF TREES AND SHRUBS WITHIN PLANTING AREA AND TO WITHIN 12" OF THE EDGE OF PLANTING AREA. PLANT SHRUBS WITHIN 5' OF THE TRUNKS OF TREES WITHIN PLANTING AREA AND TO WITHIN 3' OF THE EDGE OF PLANTING AREA.
7. SHAPE SOIL TO PROVIDE WATERING RING WITH A DIAMETER EQUAL TO 2X THE CONTAINER WIDTH.
8. MULCH PLANTING BEDS IMMEDIATELY AFTER PLANTING. THOROUGHLY WATER MULCHED AREA. AFTER WATERING, RAKE MULCH TO PROVIDE A UNIFORM FINISHED SURFACE.

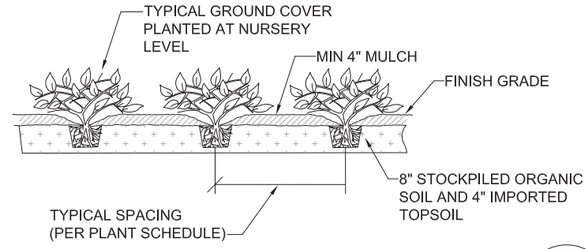
PLANTING SCHEDULE / LEGEND

Common Name	Scientific Name	Size	Spacing	Quantity
TREES				
Red Alder	*Alnus rubra*	5 gal.	15' O.C.	9
Big leaf Maple	*Acer macrophyllum*	5 gal.	15' O.C.	6
Douglas Fir	*Pseudotsuga menziesii*	5 gal.	15' O.C.	8
Western Red Cedar	*Thuja plicata*	5 gal.	15' O.C.	5
SHRUBS				
Indian Plum	*Oemleria cerasiformis*	1 gal.	6' O.C.	36
Salmonberry	*Rubus spectabilis*	1 gal.	6' O.C.	45
Nootka Rose	*Rosa nutkana*	1 gal.	6' O.C.	28
Snowberry	*Symphoricarpos albus*	1 gal.	6' O.C.	35
GROUNDCOVER				
Western Sword Fern	*Polystichum munitum*	1 gal.	As Shown	147

EXISTING WETLAND PREVIOUSLY RESTORED WITH NATIVE PLANTS



1 - TYPICAL TREE AND SHRUB PLANTING DETAIL
SCALE:NTS



2 - GROUNDCOVER PLANTING
SCALE:NTS

STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
PETER C. HUMMEL
CERTIFICATE NO. 422

	6/15/10	ISSUED FOR CONSTRUCTION	BMB	PH	6/22/10
	DATE	DESCRIPTION	BY	CKD.	APP.

CONTOUR INTERVAL: 2 FOOT

PREPARED BY
FARALLON CONSULTING
ANCHOR QEA

PREPARED FOR
EARLE M. JORGENSEN COMPANY
10650 ALAMEDA STREET
LYNWOOD, CALIFORNIA 90262

SLAG DISPOSAL BECKWITH PROPERTY SITE
KENT, WASHINGTON

PLANTING PLAN

SCALE AS SHOWN
PROJECT NO. 831-022
FILE NAME: 100224-PL-002.dwg
SHEET NO. W2 OF 3

PLANTING SPECIFICATIONS

Submittals:

1. Topsoil analysis results of a 5 pound bag from soils testing laboratory, indicate source and obtain Owner's approval before hauling topsoil to site.
2. Source of the mulch supply and a 1 gallon sample for approval before installation.
3. List of nurseries supplying all plant species with Name and phone number of contact person. Submit representative color, dated photographs of each plant species.

Notifications:

Notify the Owner at least five working days prior to the installation of plant material.

Products:

Topsoil:

The Topsoil shall consist of 60 percent Sand Component and 40 percent Composted Organic Amendment by volume and shall meet or exceed the following specifications:

The Sand Component shall meet the following specifications within reasonable variations:

Screen Size	Percent Passing
6.35 mm	95
#10	85
#30	50
#60	40
#100	20
#200	10

The Composted Organic Soil Amendment shall consist of 100 percent decomposed organic mulch material, and shall consist of yard waste debris or other organic waste materials that have been sorted, ground up, aerated, and aged, and shall be fully composted, stable, and mature (non-aerobic). The composting process shall be for at least 6 months' time and the organic amendment shall have a uniform dark, soil-like appearance and consist of 100 percent recycled content. In addition, the organic amendment shall have the following physical characteristics:

1. Shall be certified by the Process to Further Reduce Pathogens (PFRP) guideline for hot composting as established by EPA. Shall be fully mature and stable before usage.
2. Shall be screened using a sieve no finer than 1/4-inch and no greater than 1/2-inch. Based on dry weight of total organic amendment sample, it must comply with the following percent by weight passing:

Sieve Size	Maximum %	Minimum %
12.7 mm (1/2 inch)	0	100
6.35 mm (1/4 inch)	100	95
4.76 mm	100	90
2.38 mm	100	75
1.00 mm	45	70
500 micron	30	0

3. Meets "composted materials" definition in WAC 173-350 Section 220, available at: http://www.ecy.wa.gov/programs/swfa/compost/
4. Has Organic Matter Content 35 to 65 percent and Carbon to Nitrogen ratio of 25:1.
5. Shall have heavy metal concentrations below the Washington State Department of Agriculture (WSDA) per year load limits as follows:

Metal	WSDA-Maxium pounds per acre per year
Arsenic	0.297
Cadmium	0.079
Cobalt	0.594
Lead	1.981
Mercury	0.019
Molybdenum	0.079
Nickel	0.713
Selenium	0.055
Zinc	7.329

6. Shall be certified by PFRP guidelines for composting as established by the U.S. Environmental Protection Agency (EPA).

PLANTING SPECIFICATIONS CONTINUED

The topsoil mix shall also have the following characteristics:

1. The pH range shall be from 5.5 to 7.5.
2. The Sodium Adsorption Ratio shall be less than 6.0.
3. The Saturation Extract Concentration of Boron shall be less than 1.0 part per million (ppm).
4. The Water Percolation/Infiltration Rate of the disturbed soil sample shall be a minimum of 0.4 inches per hour.
5. The Soil Structure shall be loose, friable, and not subject to consolidation or compaction.
6. The soil mix shall contain less than 100 plant parasitic nematodes per 100 cubic centimeters (cc) of soil.
7. The soil mix shall be relatively free of soil-borne plant pathogens.
8. Minimal weed seed shall be present, based on germination testing of a representative sample.
9. Non-soil components shall be less than 1 percent by volume (i.e., plastic, sticks, glass, etc.).
10. The Final Topsoil Mix shall contain sufficient quantities of available nitrogen, phosphorus, potassium, calcium, magnesium, sulfate, copper, zinc, manganese, iron, and boron to support normal plant growth. In the event of nutrient inadequacies, provisions shall be made to add required materials prior to planting.

Mulch:

Bark or wood chip mulch shall be derived from Douglas fir, pine, or hemlock species. It shall be ground so that a minimum of 95% of the material will pass through a 2-inch sieve and no more than 25%, by loose volume, will pass through a No. 4 sieve. The mulch shall not contain resin, tannin, or other compounds in quantities that would be detrimental to plant life. Arborist woodchips, sawdust or wood shavings shall not be used as mulch.

Plants:

Comply with sizing and grading standards of th latest edition of "American Standards for Nursery Stock."

Protect existing native vegetation from damage caused by landscaping operations.

All plants shall by nursery grown and from a nursery with similar climatic conditions to the locality of the project. Stock furnished shall be at least the minimum size indicated.

Provide only sound, healthy, vigorous plants free from weeds, defects, sunscald injuries, and abrasions of the bark, plant diseases, insect eggs, borers, and all forms of infestation. All plants shall have a fully developed form without voids, open spaces, broken branches, bruised bark, flush cuts or stubs. No plants shall be loose in the container or pot bound.

Plants shall be packed, transported and handled with care. Cover plants transported on open vehicles with a protective covering to prevent wind burn. No plant material will be bound with rope or wire in a manner that would damage or break the branches. If plants cannot be planted immediately upon delivery, properly protect them with soil, wet peat moss, or in a manner acceptable to the Owner. Water heeled in plantings daily. Do not handle plants by trunks, stems or tops.

Plant material shall be inspected and approved by the Consultant and the Owner on site prior to installation. Remove unsatisfactory material from the site immediately.

Planting vegetation shall be performed during the period between October 1 and April 1.

Stock shall not be installed when ambient temperatures are below 35 degrees F or above 80 degrees, or when wind velocity exceeds 30 miles per hour.

Warrant plant material to remain alive and be in healthy, vigorous condition for a period of one year after the date of Physical Completion.

Rodent Protection Mesh:

Encircle woody trunks of planted trees with thin plastic mesh to protect against cambian damage by rodents. Extend mesh cylinder 3" below and 12" above the finished grade line. Assure that the guage of protective wrap is such that tree growth will split the material if it is not physically removed.

Maintenance:

Maintain planting until acceptance by Owner. Maintenance shall include cultivating, weeding, watering, pruning (only as directed), and application of appropriate insecticides and fungicides necessary to maintain plants free of insects and disease.

Reset settled plants to proper grade and position. Restore planting watering ring and adjacent material and remove dead material.

Water trees, shrub, and ground cover beds within the first 24 hours of initial planting, and not less than twice per week (including rain) until Physical Completion.

Physical Completion:

Inspection to determine Physical Completion of planted areas will be made by the Owner, upon the Contractor's request. Provide notification at least 10 working days before requested inspection date.

Planted areas will be accepted provided all requirements, including the maintenance period have been complied with and plant materials are alive and in a healthy vigorous condition.

Upon Physical Completion, the Owner will assume plant maintenance.

STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
PETER C. HUMMEL
CERTIFICATE NO. 422

	6/15/10	ISSUED FOR CONSTRUCTION	BMB	PH	6/22/10
	DATE	DESCRIPTION	BY	CKD.	APP.

CONTOUR INTERVAL: 2 FOOT

PREPARED BY
FARALLON CONSULTING
ANCHOR QEA

PREPARED FOR
EARLE M. JORGENSEN COMPANY
10650 ALAMEDA STREET
LYNWOOD, CALIFORNIA 90262

SLAG DISPOSAL BECKWITH PROPERTY SITE
KENT, WASHINGTON

PLANTING SPECIFICATIONS

SCALE AS SHOWN
PROJECT NO. 831-022
FILE NAME: 100224-PL-002.dwg
SHEET NO. W3 OF 3

APPENDIX B
MONITORING SITE PHOTOGRAPHS

Photograph 1
Photo Point 1: Wetland I Buffer Facing North from West Side of Buffer

Photograph 2
Photo Point 2: Wetland I Buffer Facing South from West Side of Buffer

Photograph 3
Photo Point 3: Wetland I Buffer Facing South from Middle of Buffer

Photograph 4
Photo Point 4: Wetland M Buffer Facing North from East Side of Buffer

ECDD DEVELOPMENT ENGINEERING
Ben Wolters, Director
220 4th Ave. South
Kent, WA 98032
Fax: 253-856-6412

PHONE: 253-856-5300

June 27, 2011

Ms. Amy Essig Desai
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, Washington 98027

RE: Wetland Buffer Enhancement/Restoration As-Built Mitigation Plan
Kent Slag Excavation Project
KIVA #RI26-2101696

Dear Amy:

The City of Kent Development Engineering Section has reviewed the Wetland Buffer Enhancement/Restoration As-Built Mitigation Plan Kent Slag Excavation Project, prepared by Anchor QEA, LLC dated April 2011. I am pleased to inform you that the City of Kent hereby grants approval of the report.

The three (3) year mitigation maintenance and monitoring period has now commenced. Annual monitoring reports shall be completed by your biologist and submitted to me for review and approval. Please note the Year 1 Monitoring Report is due spring 2012, one year from date of the as-built report.

Please feel free to contact me at (253) 856-5556 if you have any questions regarding this letter.

Sincerely,

Andrea Jedel

Andrea Jedel, PWS
Wetland Ecologist

cc: Mr. Rich McManus, Anchor QEA, LLC
File

APPENDIX M
PROFESSIONAL ENGINEERING CERTIFICATION

COMPLETION AND COMPLIANCE MONITORING REPORT
Slag Disposal, Beckwith Property Site
South 218th Street and 90th Avenue South
Kent, Washington

Farallon PN: 831-022

PROFESSIONAL ENGINEER CERTIFICATION

This is to certify that the cleanup action at the Beckwith Property Slag Disposal Site in Kent, Washington was completed in substantial compliance with the Cleanup Action Work Plan and the Construction Plans and Specifications prepared by Farallon Consulting, L.L.C.

BY: (Signature) _____ DATE: 5/17/12

Print Name and Title: RICHARD W. McMANUS, P.E.
Principal Engineer

5/17/12