

January 6, 2021

Mr. Brooks Stanfield
Federal On-Scene Coordinator
U.S. EPA Region 10
(Via email): stanfield.brooks@epa.gov

Subj: Pursuant to Kaiser Aluminum Investments Company - Administrative Settlement Agreement and Order on Consent for Removal Actions (the Order). Section VIII. 33 – Final Report

Dear Mr. Stanfield;

As outlined in the Order, Kaiser Aluminum Investments Company (KAIC) is required to submit a final completion report within (60) days after completion of work. We received an email from EPA on November 3, 2020 indicating completion of work. Subsequently KAIC requested and EPA granted a (15) day extension on December 20, 2020.

Attached is the Project Final Report which outlines the information requested in the Order under Section VIII. 33.

In addition, the following is the required and signed certification language.

Certification Statement Pursuant to Section VIII. 33 – Final Report

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 have no personal knowledge that the information submitted is other than 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.

1/6/21

Dated

FOR KAISER ALUMINUM INVESTMENTS
COMPANY:


Edgar C Scott
Senior Corporate Environmental Engineer
Kaiser Aluminum Investments Company

Removal Action Report

Kaiser Aluminum Investments Company Facility
Mead, Washington

for
Kaiser Aluminum Investments Company

January 6, 2021



GEOENGINEERS 
Earth Science + Technology

Removal Action Report

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523 East Second Avenue
Spokane, Washington 99202
509.363.3125

Removal Action Report
Kaiser Aluminum Investments Company
Facility
Mead, Washington

File No. 7839-045-02

January 6, 2021

Prepared for:

Kaiser Aluminum Investments Company
27422 Portola Parkway, Suite 200
Foothill Ranch, California 92610

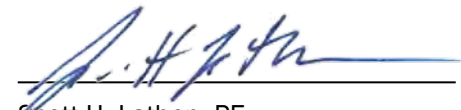
Attention: Edgar Scott

Prepared by:

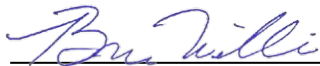
GeoEngineers, Inc.
523 East Second Avenue
Spokane, Washington 99202
509.363.3125



Joshua M. Lee, EIT
Staff Environmental Engineer



Scott H. Lathen, PE
Senior Environmental Engineer



Bruce D. Williams
Senior Principal

JML:SHL:BDW:tjh

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1.0 INTRODUCTION

This report describes the cleanout and repair of the flow-through lagoon and drying bed (also known as the lower and upper ponds, respectively) located north of the Spokane Recycling facility (2111 East Hawthorne Road) in Mead, Washington (Vicinity Map, Figure 1). The cleanout of these ponds was conducted under the Administrative Settlement Agreement No. 10-2020-0152 (Agreement) from the Environmental Protection Agency (EPA) with Kaiser Aluminum Investments Company (KAIC). The purpose of the removal action was to remedy site conditions created by discharges to the site from the Spokane Recycling facility and reduce the risk of a potential release of sediments and contaminants from the lower pond during a storm event. The cleanout was conducted based on the Work Plan prepared by KAIC (KAIC 2020), and was conducted with oversight and approval from EPA.

The site consists of two lined ponds that are part of the stormwater management system for the Spokane Recycling facility. The ponds include the flow-through lagoon, also known as the lower pond, and a dewatering pond, also known as the upper pond or drying bed. Stormwater from the Spokane Recycling facility flows into the property from the south via a 42-inch-diameter pipe and then into the south end of the lower pond and flows out of the pond through another 42-inch-diameter pipe that ultimately discharges into Deadman Creek. Key features are depicted on Site Plan, Figure 2. The Spokane Recycling facility is no longer an active aluminum plant, but the lower pond still receives discharges from the facility.

KAIC subcontracted with Clean Harbors, an environmental contractor, to conduct the cleanout activities described in this report and contracted with GeoEngineers to oversee and document the cleanout activities.

1.1. Background and Site Description

The upper and lower ponds are situated on KAIC property that is located north of the Spokane Recycling facility; a 500-foot Bonneville Power Administration (BPA) corridor runs east to west and divides the properties. An easement agreement currently exists that allows for stormwater from Spokane Recycling facility to flow through the ponds and conveyance system on KAIC's property and that requires the owner of the Spokane Recycling facility to operate and maintain the ponds and conveyance system. The remainder of the KAIC property is not developed except for access roads.

The elements of stormwater system that were addressed during this removal action consisted of the following elements:

- A 42-inch-diameter conveyance pipe that exits the Spokane Recycling property at the north end of their facility and crosses the 500-foot-wide BPA corridor. The conveyance pipe extends to the north through two manholes (identified as Vaults 3 and 4 on Figure 2) and connects to a diversion vault (identified as Vault 2). From the diversion vault, the conveyance pipe branches into the inlet of the lower pond or a pipe that diverts west around the lower pond (diversion pipe). The outlet pipe from the lower pond and the diversion pipe connect again at a manhole north of the lower pond (Vault 1). The conveyance pipe continues to the north until Deadman Creek; Spokane Recycling currently owns and operates the property on which the outfall to Deadman Creek and its facilities are located.
- The lower pond is a flow-through pond that was designed to act as a settling pond for a mixed flow consisting of process water and stormwater from the former smelter. Currently, only stormwater captured at the Spokane Recycling facility and the MEAD Custodial Trust flows into the lower pond.

The pond is surrounded by a chain link fence with vehicle and personnel gates located near the northwest corner of the enclosure. Features of the lower pond included:

- Concrete inlet and outlet structures. The outlet structure included a V-notch weir plate.
 - Concrete baffles located at both the inlet and outlet of the pond to dissipate the energy of the water flow. The baffles were approximately 25 feet long and 4 feet tall and situated perpendicular to the flow direction.
 - Per the design plans, the lower pond was lined with about 1 foot of bentonite mixed with soil, a 20-mil-thick polyvinyl chloride (PVC) liner, and a top layer of about 1 foot of sand.
 - A 12-inch-diameter pipe enters the lower pond from the upper pond. This pipe is used to drain water from the upper pond and is controlled by a gate valve located outside the chain link fence.
 - Prior to the removal action, the slopes and area around the pond were densely vegetated with trees and brush. The vegetation was densest near the north end of the pond enclosure in the area where incidental irrigation water from the adjacent turf farm supplemented natural precipitation. Cattails also grew around the edges of the pond bottom.
- The upper pond has been used as a drying bed. Water and saturated sediments from the lower pond were transferred to the upper pond and allowed to evaporate or settle. A drainage vault with a manhole is located near the southeast corner of the upper pond and is the origination point for the drainpipe that enters the lower pond. Before the removal action was started, the surface of the upper pond was densely vegetated with brush. The upper pond is also surrounded by an earthen berm with a chain link fence positioned on the berm with a gate in the middle of the east side. The pond is lined with a high-density polyethylene (HDPE) liner.

Currently Spokane Recycling has a permit to discharge stormwater to Deadman Creek via the existing stormwater infrastructure. The permit requires Spokane Recycling to monitor for the parameters that are summarized in the table below.

SPOKANE RECYCLING STORMWATER PERMIT MONITORING PARAMETERS AND TRIGGER LIMITS

Parameter	Unit	Trigger Limit
Copper	mg/L	0.032
Lead	mg/L	0.0645
Zinc	mg/L	0.117
Diesel-range Petroleum Hydrocarbons	mg/L	10
Turbidity	NTU	25
pH	pH	<=8.5 (+0.5)
		>=6.5 (-0.5)
Fat, Oils and Grease (FOG)	Observed	Y/N

1.2. Previous Assessment (EPA 2019)

The EPA's consultant, Ecology and the Environment, Inc. (E&E) assessed the Spokane Recycling facility and related areas in 2019, which included collecting sediment samples from both the upper and lower ponds and surface water samples from the lower pond (E&E 2019). The results of the sampling are summarized by the following:

- Polychlorinated biphenyls (PCBs) concentrations exceeded the reported screening levels from the sediment samples collected from both the upper and lower ponds and the surface water samples collected from the lower pond.
- Total polycyclic aromatic hydrocarbons (PAHs) concentrations exceeded the reported screening levels in the sediment samples collected from the upper and lower ponds.
- Total metals (arsenic, cadmium, copper, nickel and silver) concentrations exceeded the sediment screening levels in at least one sample from each pond.
- Diesel-range petroleum hydrocarbons concentrations exceeded the sediment screening level in one sample collected from the lower pond.

1.3. Pond Cleanout Preparation

KAIC prepared to clean out the ponds after conducting preliminary actions that assisted planning efforts and cleanout work activities.

1.3.1. Vegetation Removal

Trees and brush were removed to provide access to the lower pond for the removal action. Clean Harbors subcontracted with an arborist, Sam's Tree and Landscape, LLC, to cut down the trees and brush growing around the lower pond. The vegetation removal occurred on July 31, 2020. The trees and brush were mulched and stockpiled around the lower pond. Clean Harbors spread out the mulch stockpiles using a skidsteer in preparation to remove sediment from the lower pond.

1.3.2. Sediment Volume Assessment

The sediment volumes in the lower and upper ponds were assessed to estimate the cost and time required for the removal action. Gravity Consulting (Gravity) conducted an aquatic survey of the lower pond on July 27, 2020. The survey compared the top of the sediment to the approximate elevation of the original liner (based on design drawings). Gravity estimated that about 4,000 cubic yards of sediment were present in the lower pond. Gravity also estimated that about 361,000 gallons of water were in the lower pond. The results of Gravity's survey are included in Appendix A.

The sediment volume in the upper pond also was assessed to prepare for the removal action. The upper pond was used during the removal action to store water transferred from the lower pond and stormwater from the facility. The volume was assessed by Budinger and Associates (Budinger), subcontracted to Clean Harbors, on August 7, 2020 using ground penetrating radar (GPR). The Budinger report is included in Appendix A. Based on the GPR assessment results, we estimated that about 2,000 cubic yards of sediment was on top of the liner in the upper pond.

1.3.3. Sediment Profile

A waste profile was generated for the sediments in the upper and lower ponds to prepare them for transportation and offsite disposal at Waste Management's Graham Road landfill near Medical Lake, Washington. The profile was generated using the analytical data obtained from both ponds by E&E in 2019. At Waste Management's request, additional sediment samples were collected from both ponds and analyzed for leachable Resource Conservation and Recovery Act (RCRA) metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver) using the toxicity characteristic leaching procedure (TCLP). The sediment samples were collected on August 13, 2020, at the approximate locations of E&E's samples

in both the upper and lower ponds. Based on the TCLP results, the sediment in the ponds did not designate as a hazardous waste. The analytical results are included in Appendix B.

The historical and new analytical data was submitted to Waste Management for approval. Waste Management issued disposal profile 115434WA to Clean Harbors to dispose of the sediment from both the upper and lower ponds. The EPA also approved disposal of the sediment from the ponds at the Graham Road landfill. During cleanout of both the upper and lower ponds, the sediment was transported to the Graham Road landfill under this profile.

1.3.4. Video Survey

A video survey of the conveyance piping was conducted by Clean Harbors on August 21, 2020 to visually assess the condition of the pipes. Clean Harbors staged the survey from the four manholes (identified as Vaults No. 1 through No. 4 on Figure 2) that are stationed on the conveyance piping. The video survey extended from the north end of the Spokane Recycling facility to about 659 feet north of Vault No. 1. Clean Harbors provided KAIC with a copy of the video surveys.

The observations from the video survey were tabulated and provided to KAIC on September 4, 2020. A copy of the video survey and the tabulated observations were provided to EPA by KAIC on September 8, 2020. Minor scaling, sediment accumulation and debris were observed in the pipes. Pipe settlement damage and significant cracks were not observed, though small root penetrations were present. The pipe appeared to be lined from Vault No. 4 to the Spokane Recycling facility. The results of the survey led to the cleaning of the pipe described in Section 7.0.

2.0 SCOPE OF WORK

GeoEngineers' scope of work related to the cleanout of the ponds included the following tasks:

1. Observed and documented the implementation of the removal action described in the Phase 1 Work Plan prepared by KAIC, including the collection of data and information (weight tickets, pump rates, etc.) required to document the removal action.
2. Collected performance grab samples from the water treatment system, the upper pond and the conveyance piping and submitted them to Eurofins TestAmerica (TestAmerica) in Spokane Valley, Washington for some or all of the chemical analyses listed below:
 - a. Turbidity (field measurement)
 - b. Oil and grease (visual observation for sheen)
 - c. Total copper and lead and total and dissolved zinc (EPA Method 6010D or EPA Method 200.8)
 - d. Diesel-range petroleum hydrocarbons (Northwest Method NWTPH-Dx)
 - e. Polychlorinated biphenyls (PCBs) (EPA Method 8082A or EPA Method 608.3)
 - f. Polycyclic aromatic hydrocarbons (PAHs) (EPA Method 8270E SIM or EPA Method 625.1)
 - g. pH (field measurement and/or Standard Method (SM) 4500)

These analyses (except PCBs and PAHs) are required by Spokane Recycling's Industrial Stormwater General Permit.

3. Attended weekly update meetings, provided progress reports and project management.
4. Prepared this report documenting the cleanout and restoration of the ponds

3.0 UPPER POND CLEANOUT

The primary task required under the KAIC Agreement is to remove the sediment from both the upper and the lower ponds and the treatment of existing water in both ponds. Based on the survey of the lower pond conducted by Gravity (Section 1.3.2) about 361,000 gallons of water were present in the lower pond. The upper pond was cleaned out to store water from the lower pond and any stormwater from the Spokane Recycling facility that flowed to the KAIC property during the removal action.

Based on the GPR survey conducted by Budinger, we estimated about 2,000 cubic yards of sediment was present in the upper pond. Clean Harbors began sediment removal operations on August 24, 2020 by excavating a test pit in the upper pond to assess the condition of the sediment and underlying material. We observed in the test pit that only about 6 to 8 inches of sediment was present on top of the geotextile fabric. Beneath the geotextile fabric, most of the upper pond volume was filled with rounded drain rock (about 2- to 6-inch-diameter). The drain rock provided sufficient storage capacity for water removed from the lower pond and from the Spokane Recycling facility; therefore, the drain rock was not removed. Only the sediments, vegetation and geotextile fabric were removed from the upper pond.

On August 27, 2020, Clean Harbors began full scale removal operations in the upper pond. The sediment in the upper pond was very fine and susceptible to producing dust, so Clean Harbors paused excavation operations until August 28, 2020 to obtain additional water trucks and water buffalos for dust suppression. When excavation operations resumed on August 28, 2020, the water trucks and buffalos were used constantly to wet down the haul roads, the upper pond sediment, excavation equipment and haul trucks to minimize the dust generated. A HDPE “drop cloth” was laid over the truck loading zone to capture incidental sediment spills during the truck loading process. Any material spilled on the drop cloth was swept and loaded out in subsequent trucks.

Sediment removal from the upper pond continued until September 3, 2020. Thirty truckloads of sediment from the upper pond were transported to Waste Management’s Graham Road landfill under the profile referenced above (Section 1.3.3). The total weight of the sediment removed from the upper pond was about 646 tons. Weight tickets are included in Appendix C.

4.0 LOWER POND DEWATERING AND SEDIMENT STABILIZATION

On September 8 and 9, 2020, Clean Harbors pumped the water from the lower pond to the upper pond to dewater the lower pond sediments. Clean Harbors also intermittently pumped water into the upper pond from the lower pond on September 10 and 11, 2020. Based on the Gravity survey (Section 1.3.2) and our observations (based on the operation time and design pumping rate), over 300,000 gallons of water were transferred from the lower pond to the upper pond.

Water and saturated sediment remained in the lower pond after the pumping activities. Clean Harbors subcontracted a conveyor aggregate delivery (CAD) truck on September 11 and 15, 2020 to distribute non-waxed wood pellets into the remaining water and saturated sediment. About 280 tons of wood pellets

were applied to the lower pond. Clean Harbors mixed the wood pellets with the water and sediment to prepare them for excavation and transport to the landfill. The wood pellets solidified the sediment enough to be accepted by Waste Management for disposal.

5.0 LOWER POND CLEANOUT

Minimal removal of sediment and brush from the lower pond began on September 3, 2020. Sustained efforts to remove the sediment occurred after the dewatering and sediment stabilization efforts were conducted (Section 4.0) beginning on September 15, 2020. Clean Harbors began by removing the sediment and vegetation (primarily cattails) from the slopes and stockpiled the material within the footprint of the lower pond until trucks were available to transport the material to the Graham Road landfill.

Beginning at the north end of the lower pond, Clean Harbors continued to mix the sediment with the wood pellets and load the stabilized sediment into trucks. Clean Harbors excavated the sediment until encountering the sand layer that was above the 20-mil liner. The thickness of the sand layer was inconsistent across the bottom of the pond and, in some areas, excavation of the sediment exposed the liner. Some damage to the PVC liner was observed in some of the areas where it was exposed. Following sediment removal, a new liner was installed (Section 6.0) in the lower pond before returning it to service.

To accommodate the installation of the new liner, the concrete baffles located near the inlet and outlet of the lower pond were removed during the sediment excavation activities. A metal plate extending from the concrete inlet was also removed to accommodate the liner installation. The outlet of the lower pond was also cleaned out, including removing the wood and steel plates, except the outlet weir.

Sediment removal and transport offsite continued until October 22, 2020. Clean Harbors transported 147 truckloads of stabilized sediment, totaling approximately 2,826 tons, to the Graham Road landfill. Weight tickets are included in Appendix C.

6.0 LOWER POND RECONSTRUCTION

As described above, because some damage was observed to the original liner of the lower pond, a new liner was installed. The sand layer originally installed above the existing liner was regraded to provide a bedding layer for the new liner. Clean Harbors also removed roots, rocks and other debris from the bedding sand that might damage the new liner. Clean Harbors cut an anchor trench around the perimeter of the lower pond to secure the liner.

Northwest Linings, subcontracted to Clean Harbors, installed a 40-mil HDPE liner in the lower pond from October 22 to October 24, 2020. The liner was anchored to both the concrete inlet and outlet structures of the lower pond. The liner was also fitted around the drainage pipe from the upper pond. Northwest Linings conducted quality assurance/quality control (QA/QC) tests on the liner including both destructive and non-destructive tests (air pressure tests of the welds). Each of the QA/QC tests passed Northwest Linings' standards. The QA/QC and other liner installation documentation provided by Northwest Linings is included in Appendix D. Backfill of the anchor trench was completed October 28, 2020. The approximate footprint of the new liner is depicted on Upper and Lower Details, Figure 3.

7.0 CONVEYANCE PIPING CLEANOUT

Clean Harbors cleaned the conveyance piping on October 2, 2020 to reduce the potential for sediment and debris being flushed from the pipes and into the lower pond during a storm event. Clean Harbors cleaned the conveyance piping extending from the Spokane Recycling facility to the lower pond staging at Vaults 2 through 4. The cleanout consisted of a high pressure/low flow water jet to clean out the pipes and a vacuum truck was staged at the vaults to remove the water and debris. The water captured by the vacuum truck was emptied into the upper pond for processing through the on-site treatment system (Section 8.0)

8.0 WATER MANAGEMENT AND TREATMENT

Clean Harbors installed inflatable bladders in the lower pond inlet pipe and in the drainpipe from the upper pond. The bladders were installed to prevent water from continuing to accumulate in the lower pond during the sediment removal operation. Water that flowed from the Spokane Recycling facility down the conveyance piping accumulated in the pipes was pumped out of the diversion vault (Vault 2) and into the upper pond almost daily from September 8, 2020 until October 29, 2020. Minor volumes of water after precipitation events were also pumped from the lower pond to the upper pond during the sediment removal actions in the lower pond.

A treatment system consisting of four sand filters in series and two 10,000-pound granular activated carbon (GAC) filters, also in series, was staged near the northwest corner of the lower pond. The treatment system was used to filter the water stored in the upper pond which consisted of the water removed from the lower pond and water from Spokane Recycling that was pumped out of the diversion vault. The water was pumped from the drainage vault located near the southeast corner of the upper pond, through the sand filters followed by the GAC filters. The treatment system outlet hose was placed in the outlet pipe of the lower pond. A flow totalizer was installed in the outlet piping of the treatment system to measure the volume of water treated.

Two rounds of treatment were conducted to remove the water stored in the upper pond.

- The first round of treatment occurred on September 18 and 19, 2020 and consisted primarily of the water removed from the lower pond and some water removed from the diversion vault. About 286,000 gallons of water was treated during this event.
- The second round of treatment occurred from October 14 to 21, 2020. The water treated during this round primarily consisted of water pumped from the diversion vault. About 469,500 gallons of water was treated during this round; most of the treatment (about 411,600 gallons) occurred on October 16, 2020. Stormwater continued to be pumped from the diversion vault into the upper pond and then subsequently treated during this round of treatment. The water removed from the diversion vault was released into the north end of the upper pond to increase the residence time in the upper pond before being pumped through the treatment system.

8.1. Water Samples and Results

Water sample results are tabulated in Table 1 and laboratory reports are included in Appendix B. The following water samples were collected during the cleanout operations of the upper and lower ponds and were reported to EPA and Ecology:

8.1.1. Lower Pond Inlet samples:

- Collected to assess the water quality entering the lower pond from the Spokane Recycling facility.
- The lower pond inlet samples were collected by letting the water flowing out of the conveyance piping at the lower pond inlet structure to run into the new laboratory supplied sample containers.
- August 27, 2020 (Lagoon Inlet:082720) – The sample was analyzed for the parameters required in the Spokane Recycling permit: total zinc, copper and lead using EPA Method 6010D; diesel- and oil-range petroleum hydrocarbons (DRPH and ORPH, respectively) using Northwest Method NWTPH-Dx; and field parameters: turbidity, pH and FOG.
 - The total zinc result (2.7 milligrams per liter [mg/L]) exceeded the permit trigger limit (0.117 mg/L).
- September 1, 2020 (Lagoon Inlet:090120) – Analyzed for total zinc to corroborate the results from the August 27, 2020 sample.
 - The total zinc result (9.7 mg/L) exceeded the permit trigger limit.
- September 4, 2020 (Lagoon Inlet:090420) – Analyzed for dissolved zinc to assess the portion of the total zinc from the previous samples that was dissolved.
 - The dissolved zinc result (0.66 mg/L) exceeded the permit trigger limit.

8.1.2. Weekly Zinc Samples

- Collected weekly from September 15, 2020 to September 29, 2020 to assess the total and dissolved zinc concentrations of the water coming from Spokane Recycling during the pond cleanout operations.
- The samples were collected from both the diversion vault (samples Vault-091520; -092220; and -092920) and from the upper pond (samples Upper Pond – 091520; -092220; and -092920). The samples were collected from both locations to assess the effect that residence time and settling in the upper pond had on the total zinc concentration.
- The samples were collected by either dropping a new disposable bailer into the diversion vault or casting a disposable bailer into the middle of the upper pond. The bailers were emptied directly into the laboratory supplied containers.
- Total zinc concentrations in the vault samples all exceeded the permit trigger limits (0.117 mg/L) at concentrations between 1.2 to 1.9 mg/L. Dissolved zinc also exceeded the permit trigger limit in the vault samples ranged at concentrations between 0.16 to 2.7 mg/L. Note: the dissolved zinc concentration from the sample collected on September 15 (2.7 mg/L) exceeded the total zinc concentration from the same sample (1.9 mg/L). The dissolved zinc should be part of the total zinc and therefore a lower concentration. The laboratory did not have an explanation for the high dissolved zinc concentration relative to the total zinc concentration. No additional investigation into the inconsistency was deemed appropriate at that time because these samples were collected only for assessment purposes, the zinc concentrations from the Spokane Recycling facility continued to exceed the permit trigger limit, and new weekly samples would be collected a few days (September 22) after receiving the results.
- Total zinc concentrations in the upper pond did not exceed the permit trigger limit at concentrations between 0.040 and 0.10 mg/L. Dissolved zinc concentrations were between 0.040 to 0.088 mg/L.

- These results indicate that the upper pond provided treatment of the water by allowing the non-dissolved portions of the zinc to settle out of the water.
- The upper pond sample collected on September 29, 2020 was also analyzed for pH as explained below.

8.1.3. Remediation System Monitoring and Performance Samples

Performance samples were collected during the operation of the treatment system to assess the effectiveness of the sand and GAC filters. The samples were collected by filling the laboratory supplied containers directly from a sample port at the outlet of the GAC filtration vessels.

8.1.3.1. Treatment Round 1 (September 18-19, 2020)

- Three samples (Remediation System 1-3:091820) were collected during the first round of water treatment on September 18, 2020. The first round of treatment occurred from about 1615 on September 18, 2020 to 0030 on September 19, 2020. The samples were analyzed for the parameters required in the Spokane Recycling permit using the methods described above (Section 8.1.1). The metals (copper, lead and zinc) were also re-analyzed using EPA Method 200.8 (an equivalent method to EPA Method 6010D) that is specified in the Spokane Recycling permit.
- The treated water samples were also analyzed for PCBs and PAHs using EPA Methods 8082A and 8270E SIM, respectively.
- From the samples collected during the first round of treatment, metals, DRPH and ORPH were either not detected or detected at concentrations less than the triggering limit. PCBs were also not detected. PAHs were detected in all three samples. FOG was not observed, and the turbidity results (2.28 to 4.38 Nephelometric Turbidity Units [NTUs]) were less than the permit trigger (25 NTUs).
- pH was measured in the field between 9.78 to 10.31. The samples sent to the laboratory were also submitted for pH analysis. Laboratory pH results were between 8.7 to 9.6. The permit trigger limit for pH is 9. The technicians that set up the treatment system indicated that elevated pH is common for initial operation of a GAC treatment system and the pH drops with time. The pH dropped from 9.6 to 9.2 to 8.7 with each sample collected.
- Two pH samples (Upper Pond-092120 and Upper Pond-092920, collected with the weekly zinc sample) were collected from the upper pond to assess the pH of the input water during the second round of treatment. The pH was 7.0 from both samples.

8.1.3.2. Treatment Round 2 (October 14-21, 2020)

- To prepare for the second round of treatment, a sample (Upper Pond-093020) was collected from the untreated water stored in the upper pond. At this point, most of the water was water that had been recently discharged from Spokane Recycling and pumped out of the diversion vault. The sample was analyzed for the parameters required by the Spokane Recycling permit, PCBs and PAHs.
 - The metals, DRPH and ORPH were detected but at concentrations less than the permit triggers.
 - PAHs were not detected.
 - PCBs were detected at 0.77 micrograms per liter (µg/L).
- The water in the upper pond that needed to be treated was re-circulated on October 14, 2020 back into the upper pond while being monitored for pH. The water was recirculated for over an hour with pH monitoring every 10 minutes. Field pH measurements dropped from 8.87 at the beginning of the recirculation period to 8.24 at the end of the period.

- After re-circulating for over an hour, a water sample (Treatment System 4:101420) was collected from the sample port and delivered to the laboratory for a same-day rush pH analysis. The laboratory pH result was 8.4 which was less than the permit trigger.
- Based on the field and laboratory results, the water in the upper pond was treated and released to the lower pond outlet conveyance pipe from 1445 to 1645. pH was continuously monitored during treatment at about 10-minute intervals. Treatment continued on October 15, 2020 with continuous pH monitoring. The pH approached 9 so treatment was stopped and the water was recirculated back into the upper pond from 1000 to 1120 with continued pH monitoring. Once the pH dropped to 8.78 and was continuing to trend down, the water was again released into the lower pond outlet conveyance pipe. pH continued to drop to 8.39 before stopping treatment for the day. Treatment continued on October 16, 2020 with pH readings between 7.66 and 8.31. Small volumes of water were treated until October 21, 2020.
- A performance water sample (Treatment System 5-101520) was collected during the second round of treatment. The sample was analyzed for the parameters required by the Spokane Recycling permit: total zinc, copper and lead using EPA Method 200.8; DRPH and ORPH using Northwest Method NWTPH-Dx; and field parameters: turbidity, pH and FOG. The sample was also analyzed for PCBs using EPA Method 608.3 and PAHs using EPA Method 625.1.
 - The constituents analyzed were not detected. FOG was not observed, and the turbidity was measured at 4.40 NTUs. pH was reported at 8.7.

9.0 PHASE I REMOVAL ACTION CONCLUSION

After the liner installation, the lower pond was returned to service on October 30, 2020 by removing the bladder from the lower pond inlet pipe. Water pumped from the diversion vault into the upper pond after the second round of treatment was left in the upper pond as requested by Ecology. Clean Harbors removed the filter media (GAC and sand) from the treatment system vessels and temporarily stockpiled the media on plastic. The treatment system vessels were cleaned and demobilized from the site.

A composite sample (Filter Media 110420) of the filter media was collected and submitted for analysis of metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, silver and zinc), DRPH, ORPH, PAHs and PCBs. The sample results are tabulated in Table 2 and the laboratory report is included in Appendix B. The sample result was submitted to Waste Management for approval. Waste Management accepted the filter media for disposal and amended the existing disposal profile (Section 1.3.3) to include the filter media. The filter media (about 39 tons) was transported to the Graham Road landfill on November 16, 2020.

10.0 SUMMARY

Pursuant to an Agreement with and under the oversight of the EPA, KAIC conducted a removal action of sediment in the upper and lower ponds between August and November 2020 to address discharges from the Spokane Recycling facility. The removal action was conducted under Agreement No. 10-2020-0152 between KAIC and the EPA and according to the approved Work Plan (KAIC 2020). About 3,472 tons of sediment (mixed with stabilizing wood pellets) was removed from both ponds and transported to the Graham Road landfill. Water removed from the lower pond and from the diversion vault was treated before

being released to the lower pond outlet pipe. About 755,500 gallons of water was treated during the removal action.

The conveyance piping from the Spokane Recycling facility to the lower pond was cleaned to remove sediment and debris. To address some damage to the existing lower pond liner, the lower pond was reconstructed by installing a new 40-mil HDPE liner over the existing sand base. The lower pond was returned to service on October 30, 2020.

KAIC provided weekly updates to EPA and Ecology as the work was progressing, met on site with and participated in calls with the agencies, and consulted with the agencies on the work performed. On November 3, 2020, the EPA informed KAIC that KAIC had completed the removal action per the terms of the Agreement (EPA 2020). A copy of the communication is included in Appendix E.

The good faith estimate of the total direct-cost incurred in implementing the removal action was approximately \$1.2 million dollars.

11.0 LIMITATIONS

We have prepared this report for Kaiser Aluminum Investments Company (KAIC) Inc. in accordance with generally accepted environmental practices in this area at the time the report was prepared. We have prepared this report for the exclusive use of KAIC, their authorized agents and regulatory agencies; therefore, this report is not intended for use by others and the information contained herein is not applicable to other sites. The data presented in this report are based on the agreed upon scope of services outlined in the report. Use of this report for any purpose whatsoever by any other parties is at their own risk. No third party shall have the right to rely on the product of GeoEngineers, Inc.'s (GeoEngineers') services without GeoEngineers' and KAIC prior written consent and the third party's Agreement to be bound by the same terms and conditions as KAIC. GeoEngineers makes no representation to such other parties as to the accuracy or completeness of this report or the suitability of its use by any other parties for any purpose whatsoever, known or unknown. GeoEngineers and KAIC shall not be liable to indemnify or hold harmless any third parties for losses incurred by the actual or purported use or misuse of this report.

Within the limitations of scope, schedule and budget, our services have been executed in accordance with generally accepted environmental science practices in this area at the time this report was prepared. No warranty or other conditions, express or implied, should be understood.

Please refer to Appendix F for additional information pertaining to use of this report.

12.0 REFERENCES

Ecology and Environment, Inc. (2019). "2019 Removal Site Evaluation Report, Former Kaiser Smelter site, Mead, Washington." November 8, 2019.

Kaiser Aluminum Investments Company (KAIC) (2020). "Phase I Work Plan." August 14, 2020.

Table 1
Summary Chemical Analytical Results: Water Samples - Former Kaiser Smelter Site¹
Former Kaiser Smelter Site
Mead, Washington

Method:				Metals ²				Petroleum Hydrocarbons ³		PAHs ⁴	PCBs ⁵	Field Parameters		
Analyte:				Total Zinc	Dissolved Zinc	Total Copper	Total Lead	DRPH	ORPH			FOG ⁶	Turbidity ⁷	pH ⁸
Units:				mg/L				mg/L		µg/L	µg/L		NTU	
Sample ID	Date Collected	Location Collected	Purpose											
Lagoon Inlet: 082720	8/27/2020	Lower pond inlet structure	Assess water entering the lower pond with respect to the permit parameters	2.7	NA	0.032	<0.0051	<0.10	<0.11	NA	NA	Not Observed	6.71	7.04
Lagoon Inlet: 090120	9/1/2020	Lower pond inlet structure	Repeat total Zn sample	9.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lagoon Inlet: 090420	9/4/2020	Lower pond inlet structure	Repeat dissolved Zn sample	NA	0.66	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vault-091520	9/15/2020	Diversion vault	Weekly Zn samples	1.9	2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Upper Pond - 091520	9/15/2020	Upper pond	Weekly Zn samples	0.040	0.040	NA	NA	NA	NA	NA	NA	NA	NA	NA
Remediation System 1:091820	9/18/2020	Remediation system outlet	Performance sample	<0.0090	NA	0.0049	<0.0051	<0.11	<0.12	Detected	ND	Not Observed	4.38	9.6
Remediation System 2:091820	9/18/2020	Remediation system outlet	Performance sample	0.016	NA	0.0086	<0.0051	<0.11	<0.12	Detected	ND	Not Observed	2.28	9.2
Remediation System 3:091820	9/18/2020	Remediation system outlet	Performance sample	0.028	NA	0.0095	<0.0051	<0.11	<0.12	Detected	ND	Not Observed	2.34	8.7
Remediation System 1:091820	9/18/2020	Remediation system outlet	Repeat using EPA 200.8	0.0054	NA	0.0055	0.0010	NA	NA	NA	NA	NA	NA	NA
Remediation System 2:091820	9/18/2020	Remediation system outlet	Repeat using EPA 200.8	0.020	NA	0.010	0.0015	NA	NA	NA	NA	NA	NA	NA
Remediation System 3:091820	9/18/2020	Remediation system outlet	Repeat using EPA 200.8	0.029	NA	0.010	0.0014	NA	NA	NA	NA	NA	NA	NA
Upper Pond - 092120	9/21/2020	Upper pond	pH confirmation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.0
Vault-092220	9/22/2020	Diversion vault	Weekly Zn samples	1.4	0.88	NA	NA	NA	NA	NA	NA	NA	NA	NA
Upper Pond - 092220	9/22/2020	Upper pond	Weekly Zn samples	0.085	0.076	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vault-092920	9/29/2020	Diversion vault	Weekly Zn samples	1.2	0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA
Upper Pond - 092920	9/29/2020	Upper pond	Weekly Zn samples + pH	0.10	0.088	NA	NA	NA	NA	NA	NA	NA	NA	7.0
Upper Pond-093020	9/30/2020	Upper Pond	Assess water quality from Spokane Recycling	0.095	NA	0.032	0.00079	0.37	0.24	ND	0.77	NA	NA	7.0
Treatment System 4:101420	10/14/2020	Remediation system outlet	Performance sample	NA	NA	NA	NA	NA	NA	ND	ND	NA	NA	8.4
Treatment System 5: 101520	10/15/2020	Remediation system outlet	Performance sample	<0.040	NA	<0.0080	<0.014	<0.24	<0.39	ND	ND	Not Observed	4.40	8.7

Notes

¹Samples analyzed by Eurofins TestAmerica Laboratories, Inc. located in Spokane Valley, Washington.

²Metals analyzed using EPA Method 6010D or EPA Method 200.8.

³Diesel and Oil-Range Petroleum Hydrocarbons (DRPH, ORPH) analyzed using Northwest Method NWTPH-Dx.

⁴Polycyclic aromatic hydrocarbons (PAH) analyzed using EPA Method 8270E SIM or EPA Method 625.1.

⁵Polychlorinated biphenyls (PCBs) analyzed using EPA Method 8082A or EPA 608.3.

⁶Samples were visually inspected for fats, oil and grease (FOG) as required by the stormwater permit.

⁷Turbidity measured with a handheld turbidity meter.

⁸pH measured using handheld pH meter on 8/27/20; all other pH data was analyzed using EPA Method SM4500.

mg/L = milligrams per liter; µg/L = micrograms per liter; NTU = nephelometric turbidity units; NE = not established; NA = not analyzed

Bold indicates analyte was detected.

Table 2
Summary Chemical Analytical Results: Filter Media Sample - Former Kaiser Smelter Site¹
Former Kaiser Smelter Site
Mead, Washington

Method:				Metals ²										Petroleum Hydrocarbons ³		PAHs ⁴	PCBs ⁵
Analyte:				Arsenic	Barium	Cadmium	Chromium	Lead	Selenium	Silver	Copper	Zinc	Mercury	DRPH	ORPH		
Units:				mg/kg										mg/kg		µg/L	µg/kg
Sample ID	Date Collected	Location Collected	Purpose														
Filter Media 110420	11/4/2020	Carbon Vessels	Filter media sample	0.66	8.4	0.21	0.95	<1.7	<5.8	<0.15	6.6	19	0.0093	16	11	Detected	62

Notes

¹Samples analyzed by Eurofins TestAmerica Laboratories, Inc. located in Spokane Valley, Washington.

²Metals analyzed using EPA Method 6010D or EPA Method 7471B (mercury only).

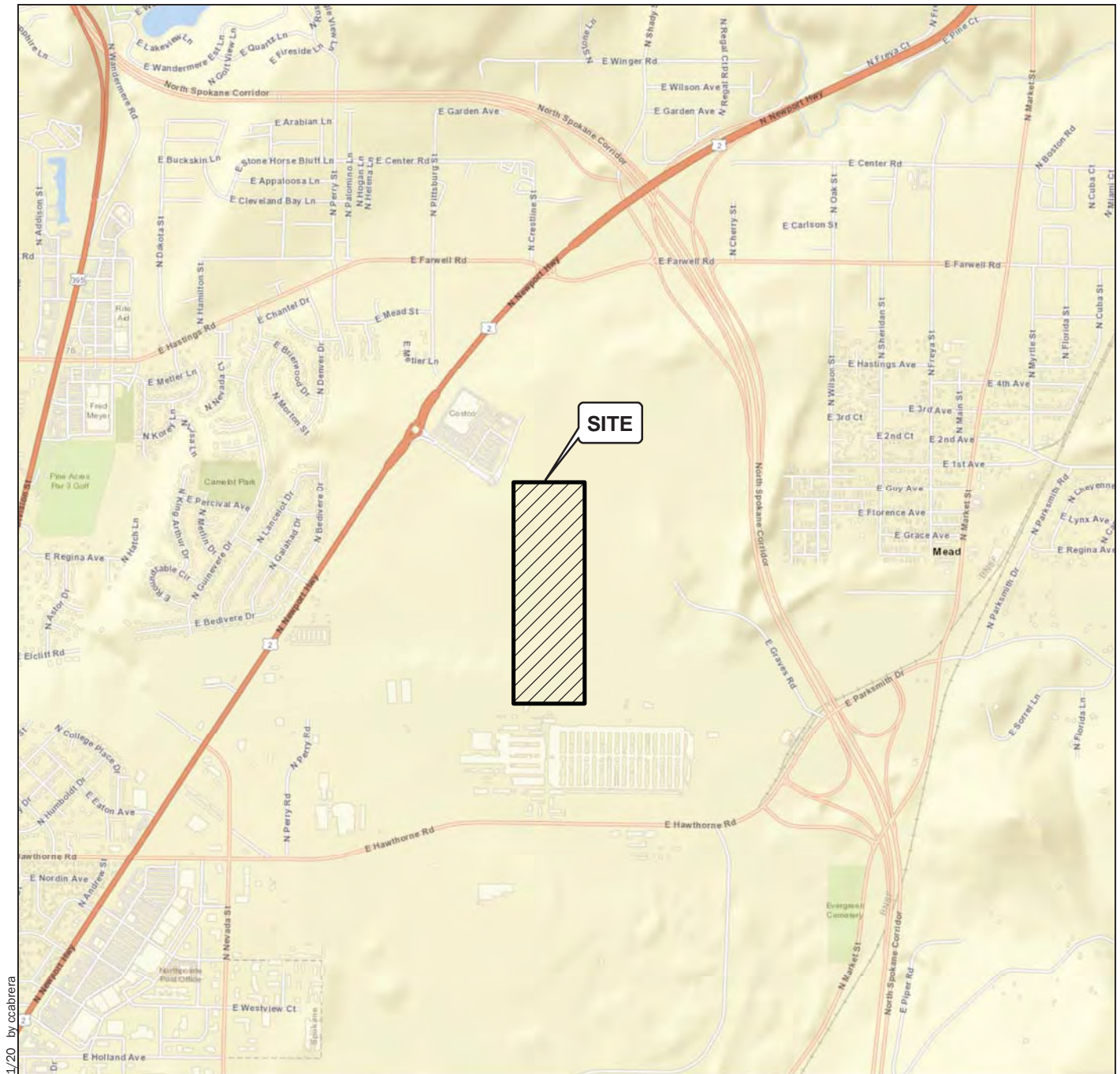
³Diesel and Oil-Range Petroleum Hydrocarbons (DRPH, ORPH) analyzed using Northwest Method NWTPH-Dx.

⁴Polycyclic aromatic hydrocarbons (PAH) analyzed using EPA Method 8270E SIM.

⁵Polychlorinated biphenyls (PCBs) analyzed using EPA Method 8082A.

mg/kg = milligrams per kilogram; µg/kg = micrograms per kilogram

Bold indicates analyte was detected.



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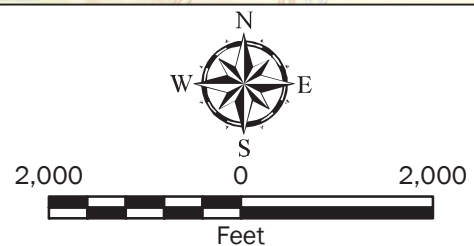


Notes:

1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Data Source: Mapbox Open Street Map, 2016

Projection: NAD 1983 UTM Zone 11N

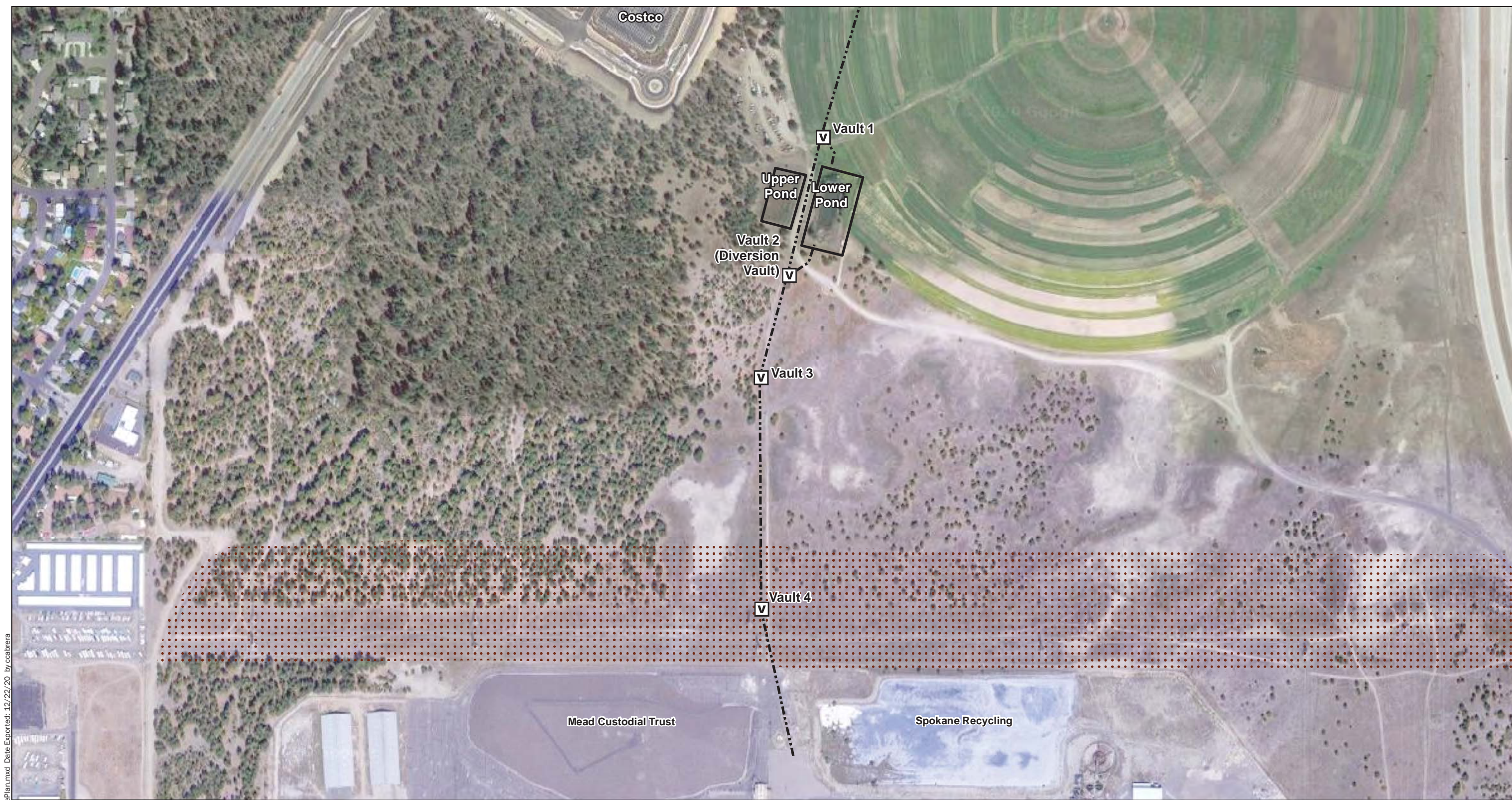


Vicinity Map

Former Kaiser Smelter Site
Mead, Washington



Figure 1






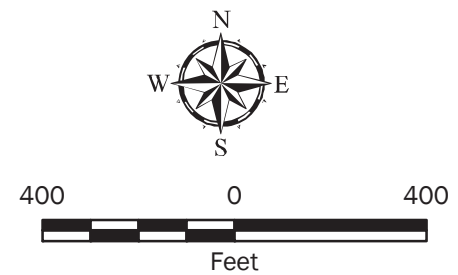
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1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.
3. Locations of the infiltration pond, extraction wells, and compliance wells were based on Figure 6.1 from the Hydrometrics, Inc. Final Interim Action Workplan.

Data Source: July 2019 image from Google Earth
Projection: NAD 1983 UTM Zone 11N

- Legend**
-  Approximate Vault Location
 -  Approximate Stormsewer Pipe Location
 -  BPA Right-of-Way



Site Plan	
Former Kaiser Smelter Site Mead, Washington	
	Figure 2



Notes:





1. The locations of all features shown are approximate.


2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.


Data Source: Spokane County Current Imagery mapservice


Projection: NAD 1983 UTM Zone 11N

Legend

-  Inlet Drainpipe
-  Outlet Vault
-  Geosynthetic Liner
-  Approximate Pond Boundary





Upper and Lower Details	
Former Kaiser Smelter Site Mead, Washington	
	Figure 3

P:\7839045\GIS\MXD\783904502_F03_LagoonDetail.mxd Date Exported: 12/21/20 by ccabrera



Photograph 1. Clean Harbors removing sediment and brush from south end of upper pond. (August 27, 2020)



Photograph 2. Clean Harbors removing reeds from around the lower pond. (August 31, 2020)

Site Photographs

Kaiser – Mead Lagoon Cleanout
Spokane, Washington



Figure 4



Photograph 3. Clean Harbors loads sediment from upper pond into haul trucks. Drop cloth pictured in roadway. (August 27, 2020)



Photograph 4. Clean Harbors removing sediment from upper pond. Water buffalo used for dust suppression. (September 1, 2020)

Site Photographs

Kaiser – Mead Lagoon Cleanout
Spokane, Washington



Figure 5



Photograph 5. South end of upper pond after sediment removal. (September 3, 2020)



Photograph 6. North end of upper pond after sediment removal. (September 3, 2020)

Site Photographs

Kaiser – Mead Lagoon Cleanout
Spokane, Washington



Figure 6



Photograph 7. 500 gallon per minute pump dewatering lower pond and discharging to upper pond. Pump inlet attached to floats and secured by ropes. (September 9, 2020)



Photograph 8. Dewatering lower pond. (September 9, 2020)

Site Photographs

Kaiser – Mead Lagoon Cleanout
Spokane, Washington



Figure 7



Photograph 9. Conveyor Aggregate Delivery (CAD) truck spreading absorbent wood pellets into the lower pond. (September 11, 2020)



Photograph 10. Upper pond holding water pumped from lower pond. (September 10, 2020)

Site Photographs

Kaiser – Mead Lagoon Cleanout
Spokane, Washington



Figure 8



Photograph 11. Clean Harbors mixing wood pellets into lower pond sediment using a track hoe. Soil pad constructed for water treatment system. (September 17, 2020)



Photograph 12. Clean Harbors mixing wood pellets with track hoe and removing sediment from lower pond for disposal. (September 22, 2020)

Site Photographs

Kaiser – Mead Lagoon Cleanout
Spokane, Washington



Figure 9



Photograph 13. Water treatment system (carbon vessels and sand filters) staged at north end of the lower pond. (September 30, 2020)



Photograph 14. Clean Harbors removing sediment from the lower pond for disposal. (October 1, 2020)

Site Photographs

Kaiser – Mead Lagoon Cleanout
Spokane, Washington



Figure 10



Photograph 15. Clean Harbors conducting cleanout of the conveyance piping at Vault #4. (October 2, 2020)



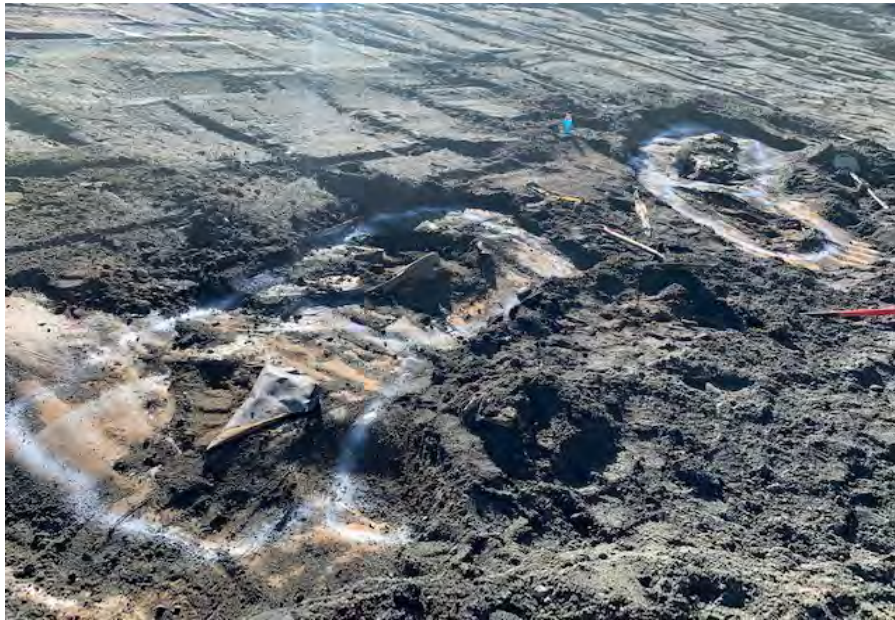
Photograph 16. Two sand bags removed from Vault #4 during the cleanout. (October 2, 2020)

Site Photographs

Kaiser – Mead Lagoon Cleanout
Spokane, Washington



Figure 11



Photograph 17. Liner damage identified in lower pond. (October 6, 2020)



Photograph 18. Liner damage identified in lower pond. (October 6, 2020)

Site Photographs

Kaiser – Mead Lagoon Cleanout
Spokane, Washington



Figure 12



Photograph 19. Liner damage identified in lower pond. (October 6, 2020)



Photograph 20. Lower pond sediment removal. (October 7, 2020)

Site Photographs

Kaiser – Mead Lagoon Cleanout
Spokane, Washington



Figure 13



Photograph 21. Steel plate removed at inlet of lower pond. (October 12, 2020)



Photograph 22. Clean Harbors removes baffles from the lower pond inlet. (October 17, 2020)

Site Photographs

Kaiser – Mead Lagoon Cleanout
Spokane, Washington



Figure 14



Photograph 23. Sediment removal completed from lower pond. (October 15, 2020)



Photograph 24. Anchor trench excavated around lower pond for geosynthetic liner. (October 19, 2020)

Site Photographs

Kaiser – Mead Lagoon Cleanout
Spokane, Washington



Figure 15



Photograph 25. Cleaned out lower pond outlet. (October 21, 2020)



Photograph 26. Geosynthetic liner installation in lower pond. (October 22, 2020)

Site Photographs

Kaiser – Mead Lagoon Cleanout
Spokane, Washington



Figure 16



Photograph 27. Geosynthetic liner installation in lower pond. (October 22, 2020)



Photograph 28. Lower pond after geosynthetic liner installation. (November 2, 2020)

Site Photographs

Kaiser – Mead Lagoon Cleanout
Spokane, Washington



Figure 17



Photograph 29. Stockpiled granulated activated carbon (GAC) from carbon vessels. (November 3, 2020)



Photograph 30. Lower pond. (November 4, 2020)

Site Photographs

Kaiser – Mead Lagoon Cleanout
Spokane, Washington



Figure 18

APPENDIX A

Volume Assessments

Clean Harbors

Attn: Michael Murphy Jr.

407 N Thierman, Spokane Valley WA

PROJECT: Kaiser Mead Lagoon GPR**SUBJECT: Results of Ground Penetrating Radar Survey**

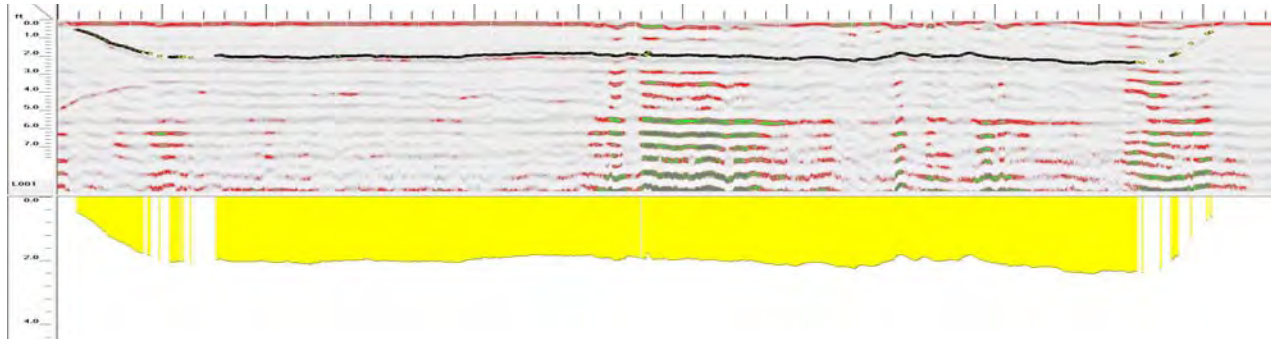
August 7, 2020

On August 3, 2020 we conducted ground penetrating radar (GPR) scans on the lagoon area with limits set by the client. Three-dimensional (3D) scans were conducted using GSSI SIR-3000 with a 400 MHz antenna. Radar signal floor averaged ~5.75 feet. A total of 13 individual line scans were conducted to develop 3D files. Post processing was conducted using GSSI Radan 7.

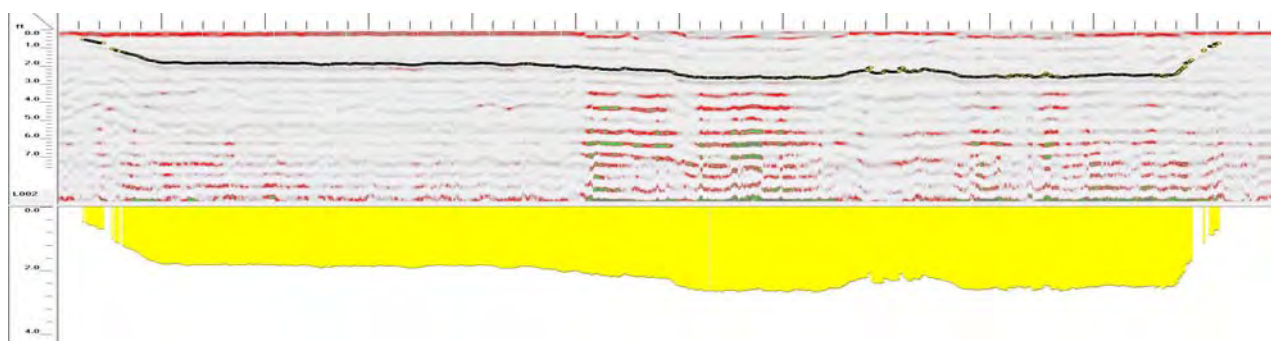
Below is a summary of GPR images with processed edits.



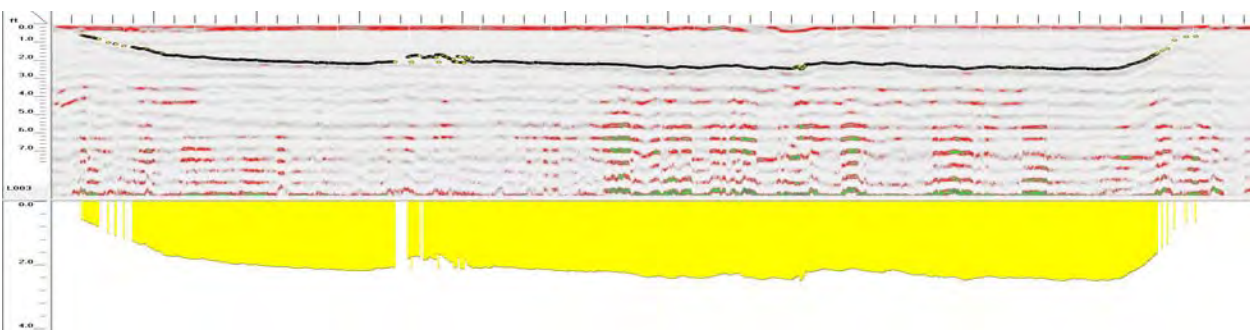
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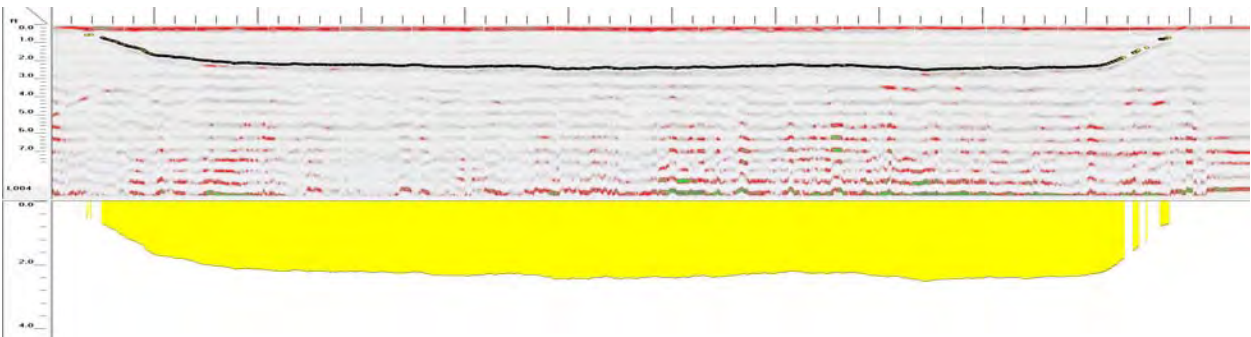
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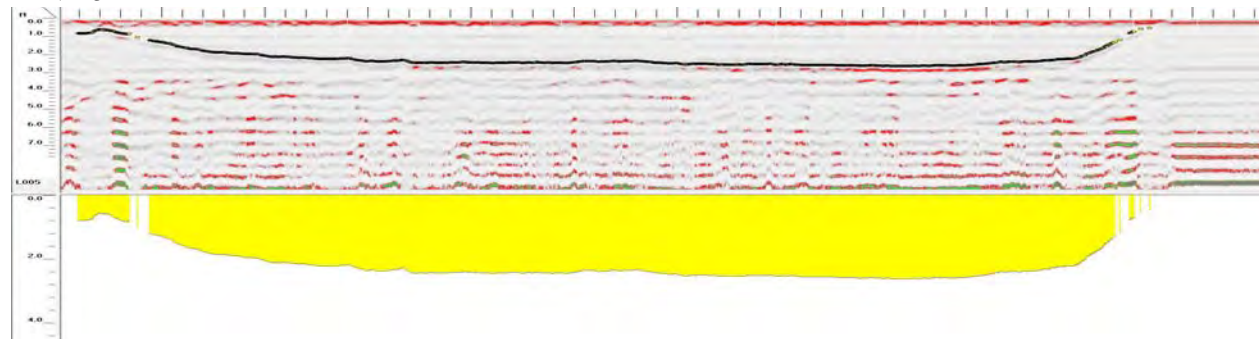
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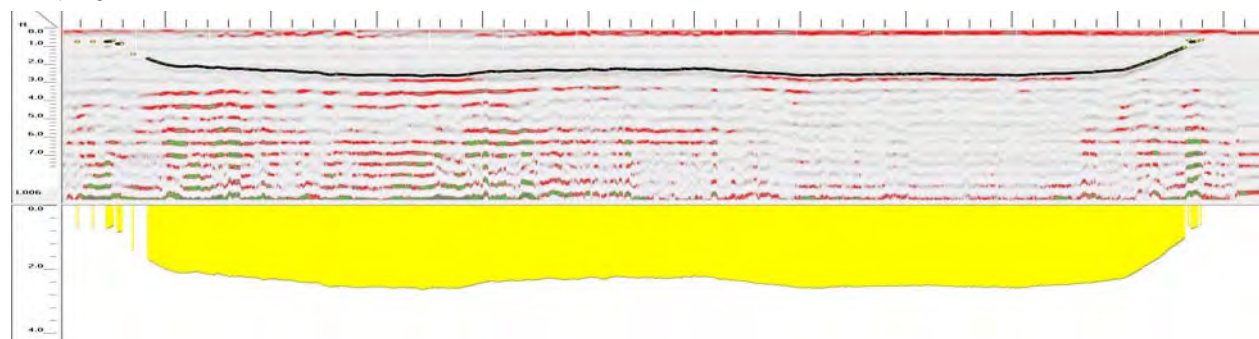
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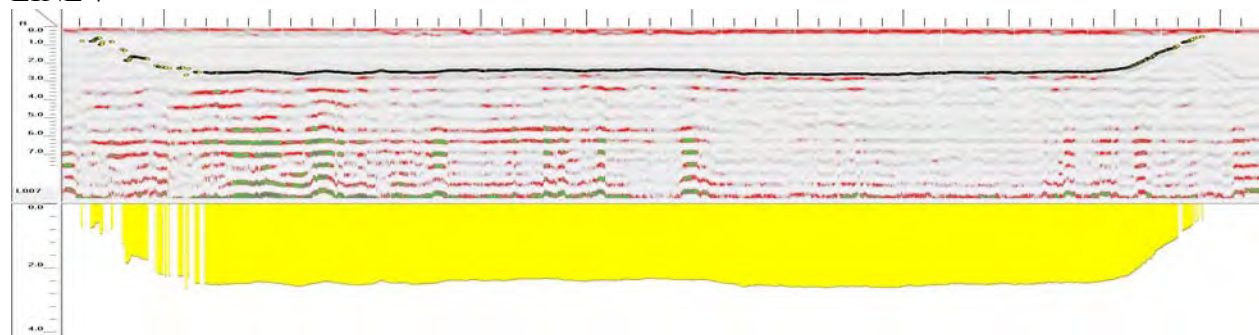
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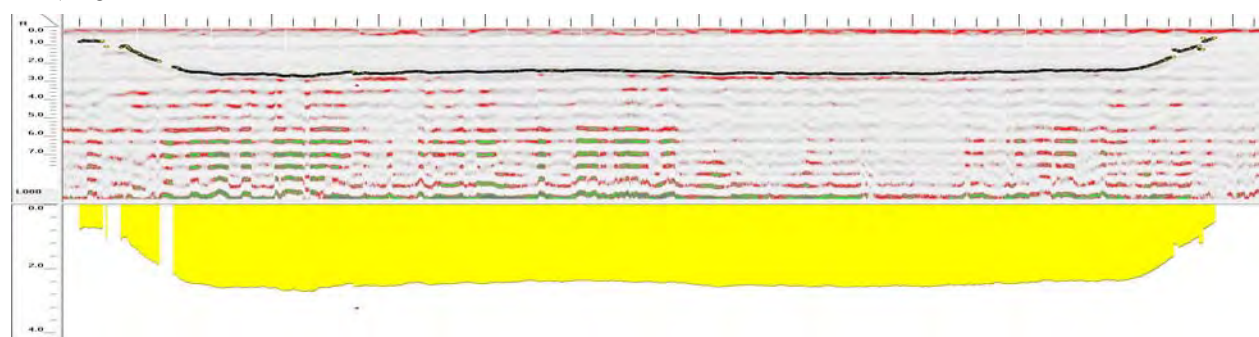
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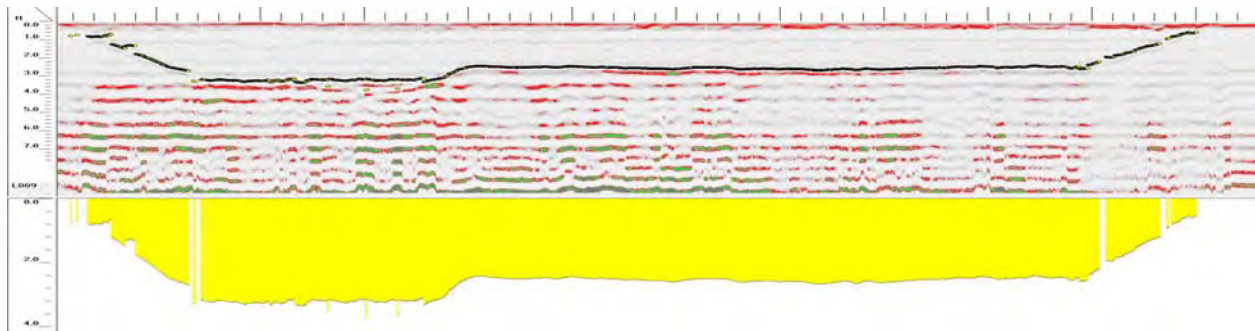
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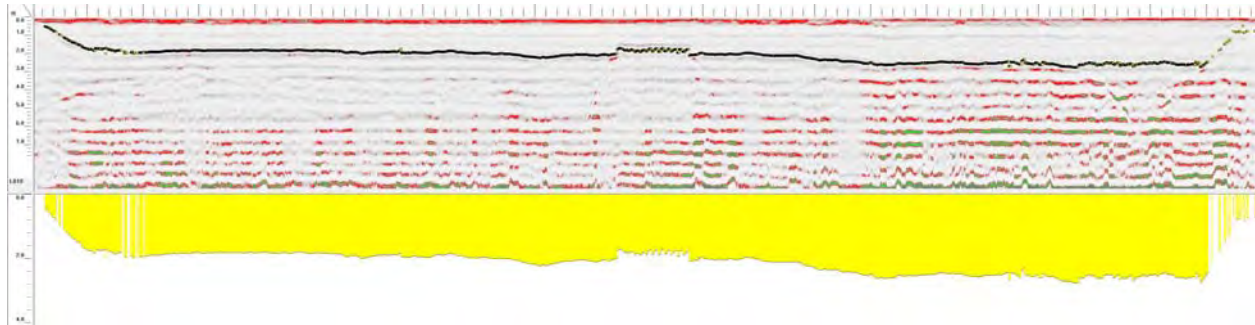
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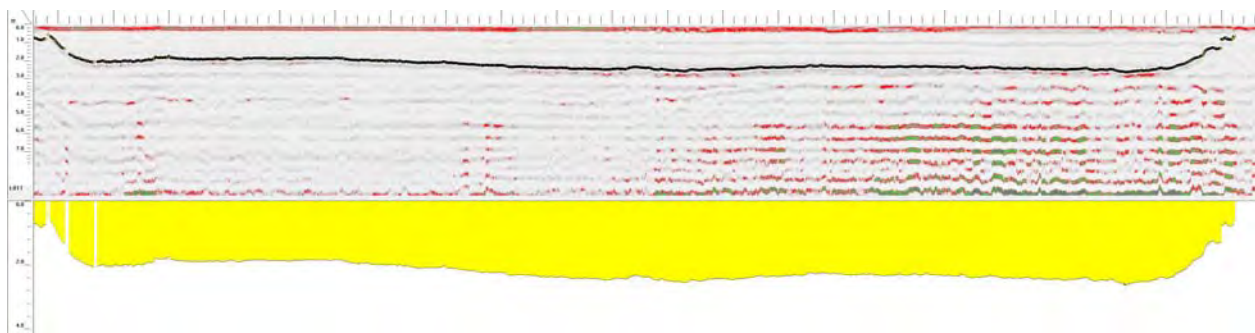
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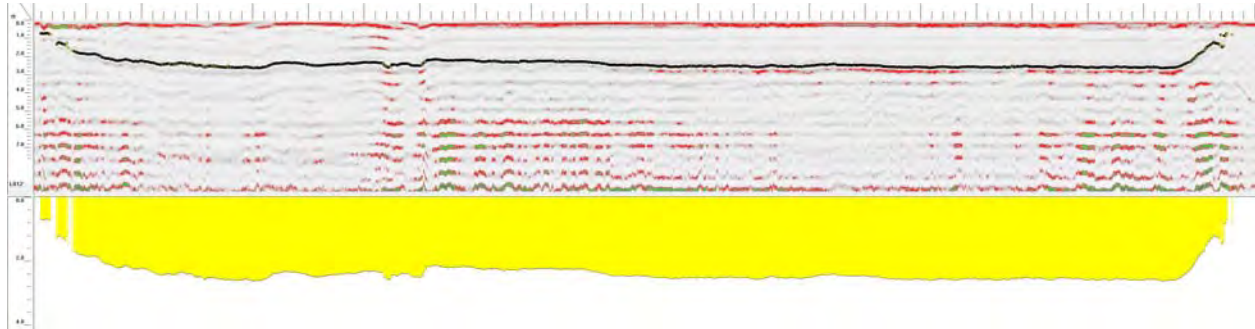
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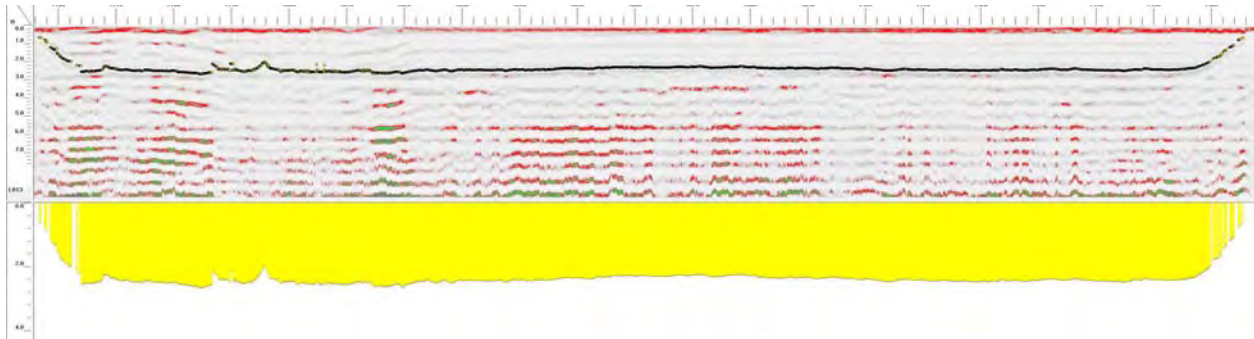
LINE 11



LINE 12



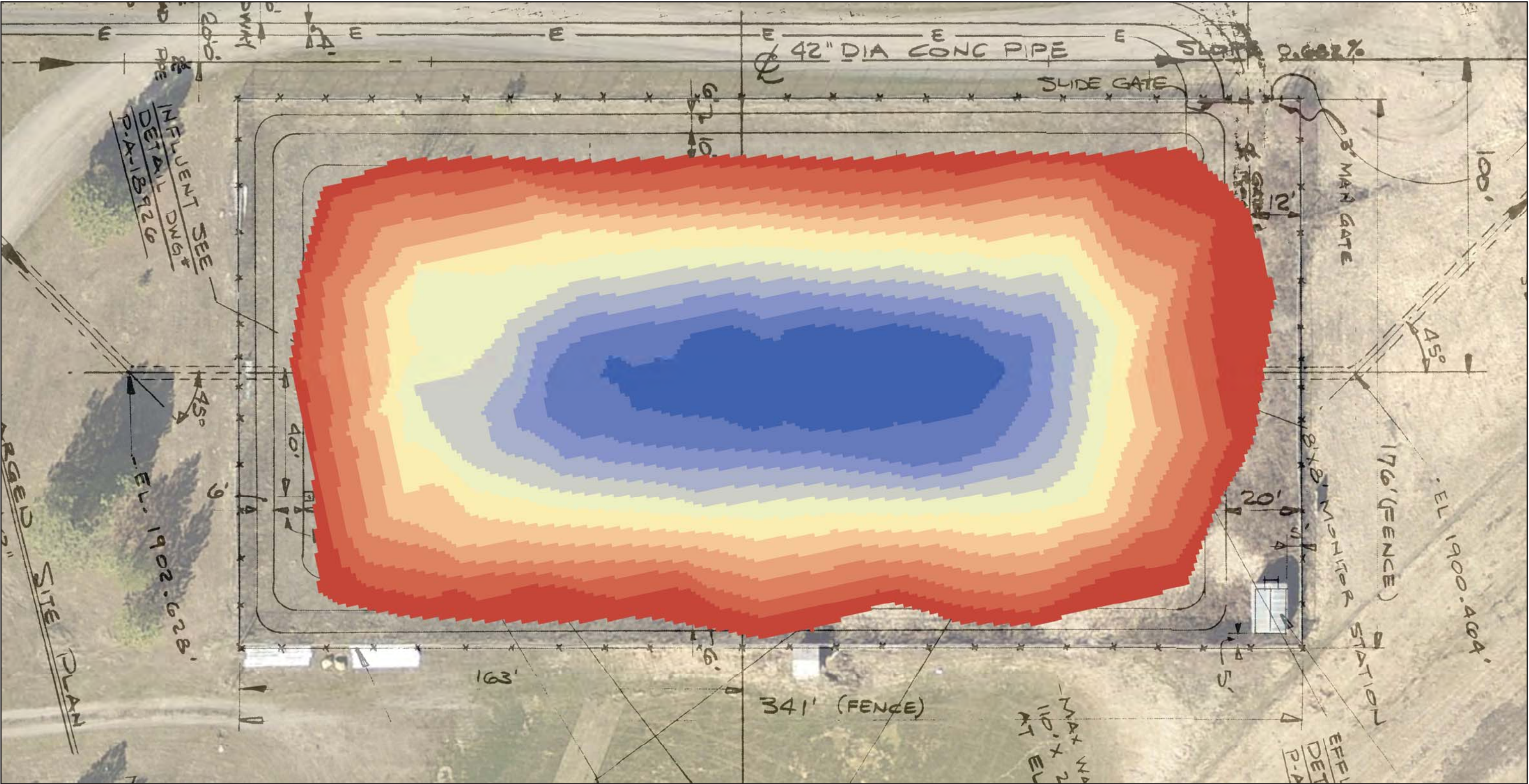
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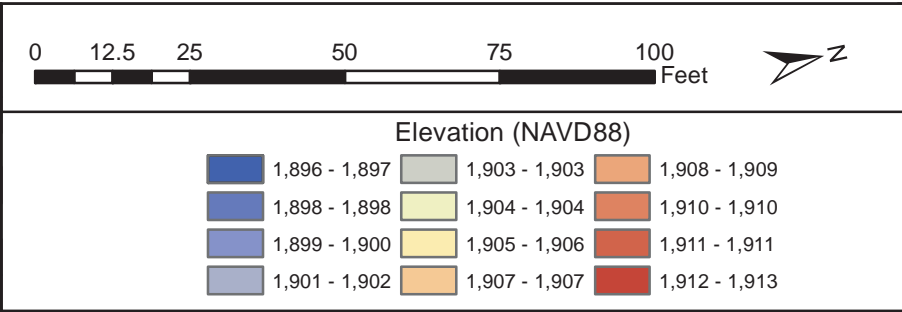
We appreciate the opportunity to provide this service. Please contact us with question or comments.

Prepared by:
BUDINGER & ASSOCIATES, INC.

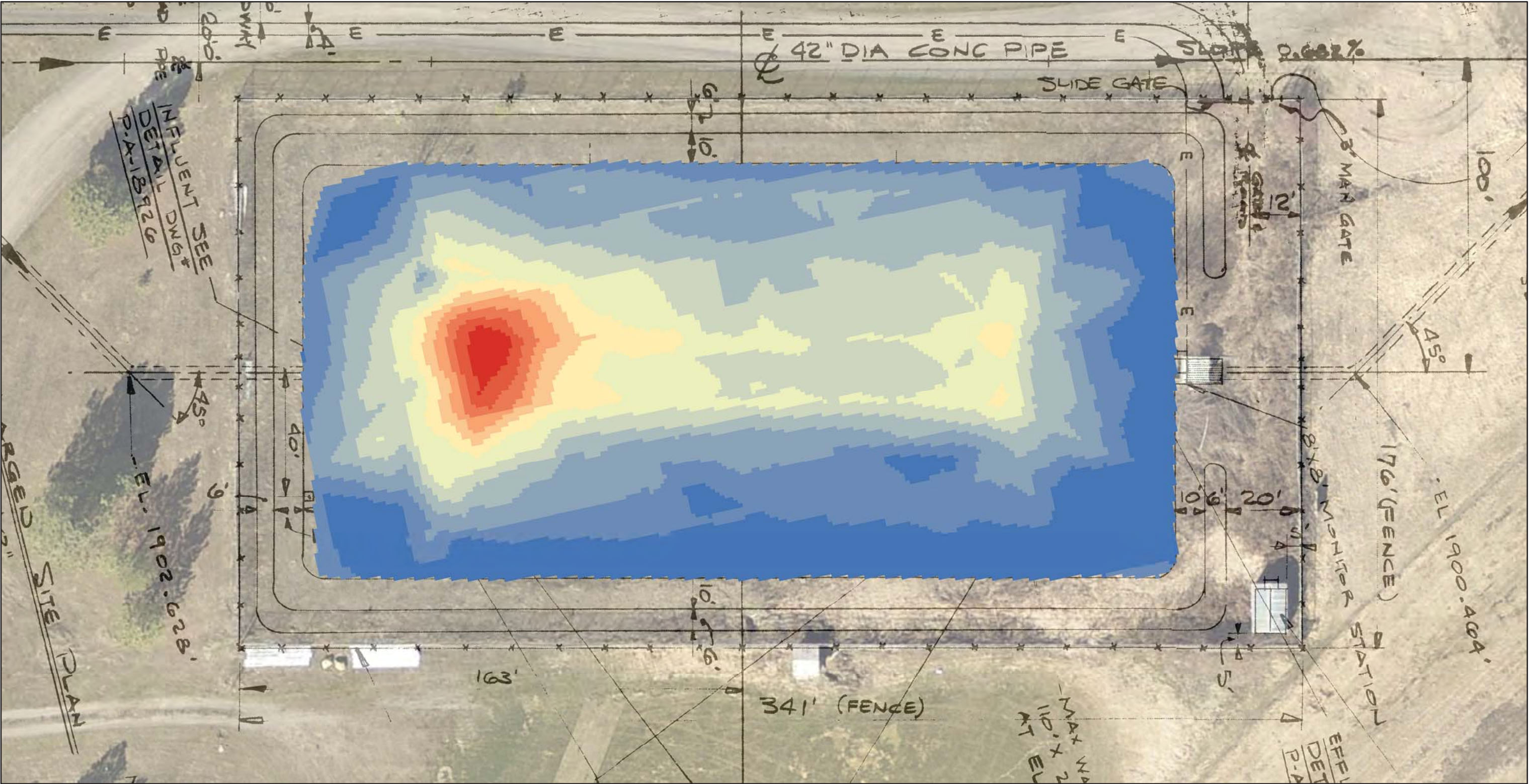
Andrew Balavage CET, CWI
Idaho Construction Services Manager



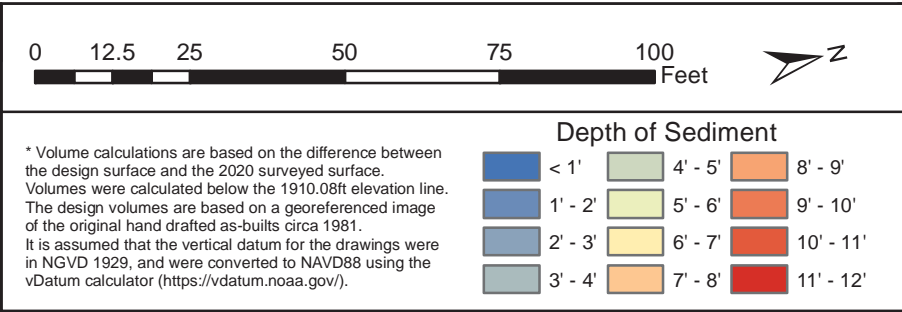
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Vertical Datum	NAVD88	Inertial Nav System	N/A
Coordinate System	WA North FIPS 4601	RTK Corrections	WSRN EWA
Horizontal Units	US Survey Feet	Speed of Sound	N/A
Vertical Units	US Survey Feet	Survey Date	July 27th, 2020
Vertical Control	WSRN	Data Collection & Processing Software	Trimble Access/ArcGIS
Horizontal Control	WSRN	Mapping and Product software	ArcGIS 10.4



Elevation Survey GeoEngineers Kaiser Mead - Spokane, WA Aug. 4th, 2020		
Data Acquisition:	J. Wilson/M. Duffield	
Data Processing:	R. McEliece	
Drafted by:	R. McEliece	
Reviewed by:	J. Wilson	



Volume Calculations	
Measured Water Level Elevation:.....	1,902.5 ft
Measured Water Volume:.....	1,786.6 yd ³
Design Volume (@ 1910.08 ft):.....	12,297.7 yd ³
Survey Volume (@ 1910.08ft) :.....	8,293.9 yd ³
Approximate Sediment Volume:.....	4,003.8 yd ³



Volume Calculations/Depth of Sediment		
GeoEngineers		
Kaiser Mead - Spokane, WA		
July 27th, 2020		
Data Acquisition:	J. Wilson/M. Duffield	
Data Processing:	R. McEliece	
Drafted by:	R. McEliece	
Reviewed by:	J. Wilson	



APPENDIX B

Laboratory Reports

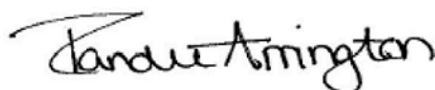
ANALYTICAL REPORT

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

Laboratory Job ID: 590-13779-1
Client Project/Site: Kaiser/7839-045-02

For:
GeoEngineers Inc
523 East Second Ave
Spokane, Washington 99202

Attn: Scott Lathen



Authorized for release by:
8/31/2020 2:07:31 PM

Randee Arrington, Project Manager II
(509)924-9200
Randee.Arrington@Eurofinset.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Cover Page	1
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Definitions	5
Client Sample Results	6
QC Sample Results	7
Chronicle	9
Certification Summary	10
Method Summary	11
Chain of Custody	12
Receipt Checklists	14



Case Narrative

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13779-1

Job ID: 590-13779-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt

The sample was received on 8/27/2020 3:17 PM; the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 24.0° C.

Receipt Exceptions

The following sample was received at the laboratory outside the required temperature criteria: Lagoon Inlet: 082720 (590-13779-1). The sample is considered acceptable since it was collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

Method 6010D: The low level initial calibration verification (ICVL) associated with batch 590-28782 recovered above the upper control limit for Zinc. All reported samples associated with this ICVL were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the ICVL; therefore, re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13779-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
590-13779-1	Lagoon Inlet: 082720	Water	08/27/20 13:30	08/28/20 15:17	

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Definitions/Glossary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13779-1

Qualifiers

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13779-1

Client Sample ID: Lagoon Inlet: 082720

Lab Sample ID: 590-13779-1

Date Collected: 08/27/20 13:30

Matrix: Water

Date Received: 08/28/20 15:17

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.23	0.10	mg/L		08/28/20 11:49	08/28/20 15:32	1
Residual Range Organics (RRO) (C25-C36)	ND		0.38	0.11	mg/L		08/28/20 11:49	08/28/20 15:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	82		50 - 150				08/28/20 11:49	08/28/20 15:32	1
<i>n</i> -Triacontane-d62	92		50 - 150				08/28/20 11:49	08/28/20 15:32	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.060	0.0051	mg/L		08/28/20 09:11	08/28/20 14:37	1
Zinc	2.7	^	0.10	0.0090	mg/L		08/28/20 09:11	08/28/20 14:37	1
Copper	0.032	J	0.080	0.0034	mg/L		08/28/20 09:11	08/28/20 14:37	1

QC Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13779-1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-28776/1-A

Matrix: Water

Analysis Batch: 28777

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28776

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.24	0.11	mg/L		08/28/20 11:49	08/28/20 14:27	1
Residual Range Organics (RRO) (C25-C36)	ND		0.40	0.12	mg/L		08/28/20 11:49	08/28/20 14:27	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	81		50 - 150				08/28/20 11:49	08/28/20 14:27	1
n-Triacontane-d62	92		50 - 150				08/28/20 11:49	08/28/20 14:27	1

Lab Sample ID: LCS 590-28776/2-A

Matrix: Water

Analysis Batch: 28777

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28776

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (DRO) (C10-C25)	1.60	1.05		mg/L		65	50 - 150
Residual Range Organics (RRO) (C25-C36)	1.60	1.26		mg/L		79	50 - 150
Surrogate	%Recovery	LCS Qualifier	Limits				
o-Terphenyl	77		50 - 150				
n-Triacontane-d62	82		50 - 150				

Lab Sample ID: LCSD 590-28776/3-A

Matrix: Water

Analysis Batch: 28777

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28776

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	1.60	1.09		mg/L		68	50 - 150	4	25
Residual Range Organics (RRO) (C25-C36)	1.60	1.37		mg/L		85	50 - 150	8	25
Surrogate	%Recovery	LCSD Qualifier	Limits						
o-Terphenyl	83		50 - 150						
n-Triacontane-d62	89		50 - 150						

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 590-28770/2-A

Matrix: Water

Analysis Batch: 28782

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 28770

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.060	0.0051	mg/L		08/28/20 09:11	08/28/20 14:34	1
Zinc	ND	^	0.10	0.0090	mg/L		08/28/20 09:11	08/28/20 14:34	1
Copper	ND		0.080	0.0034	mg/L		08/28/20 09:11	08/28/20 14:34	1

Eurofins TestAmerica, Spokane

QC Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13779-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 590-28770/1-A

Matrix: Water

Analysis Batch: 28782

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 28770

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1.00	1.15		mg/L		115	80 - 120
Zinc	1.00	1.17	^	mg/L		117	80 - 120
Copper	1.00	1.05		mg/L		105	80 - 120

Lab Sample ID: 590-13779-1 MS

Matrix: Water

Analysis Batch: 28782

Client Sample ID: Lagoon Inlet: 082720

Prep Type: Total Recoverable

Prep Batch: 28770

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	ND		1.00	1.10		mg/L		110	75 - 125
Zinc	2.7	^	1.00	3.84	^	mg/L		110	75 - 125
Copper	0.032	J	1.00	1.11		mg/L		108	75 - 125

Lab Sample ID: 590-13779-1 MSD

Matrix: Water

Analysis Batch: 28782

Client Sample ID: Lagoon Inlet: 082720

Prep Type: Total Recoverable

Prep Batch: 28770

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	ND		1.00	1.07		mg/L		107	75 - 125	3	20
Zinc	2.7	^	1.00	3.69	^	mg/L		96	75 - 125	4	20
Copper	0.032	J	1.00	1.11		mg/L		108	75 - 125	0	20

Lab Sample ID: 590-13779-1 DU

Matrix: Water

Analysis Batch: 28782

Client Sample ID: Lagoon Inlet: 082720

Prep Type: Total Recoverable

Prep Batch: 28770

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	ND		ND		mg/L		NC	20
Zinc	2.7	^	2.98	^	mg/L		9	20
Copper	0.032	J	0.0341	J	mg/L		6	20

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13779-1

Client Sample ID: Lagoon Inlet: 082720

Lab Sample ID: 590-13779-1

Date Collected: 08/27/20 13:30

Matrix: Water

Date Received: 08/28/20 15:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			265.8 mL	2 mL	28776	08/28/20 11:49	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			28777	08/28/20 15:32	NMI	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	28770	08/28/20 09:11	AMB	TAL SPK
Total Recoverable	Analysis	6010D		1			28782	08/28/20 14:37	AMB	TAL SPK

Laboratory References:

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13779-1

Laboratory: Eurofins TestAmerica, Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-21
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
NWTPH-Dx	3510C	Water	Residual Range Organics (RRO) (C25-C36)

Method Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13779-1

Method	Method Description	Protocol	Laboratory
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL SPK
6010D	Metals (ICP)	SW846	TAL SPK
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL SPK
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL SPK

Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

11922 E. 1st Ave.

Spokane, WA 99206
Phone: 509.924.9200 Fax:

Chain of Custody Record

013826

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:[illegible]

11922 E. 1st Ave.

Spokane, WA 99206
Phone: 509.924.9200 Fax:

Chain of Custody Record

013826

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

TAL-8210 (0713)

8/31/2020

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:[illegible]

Login Sample Receipt Checklist

Client: GeoEngineers Inc

Job Number: 590-13779-1

Login Number: 13779

List Number: 1

Creator: O'Toole, Maria C

List Source: Eurofins TestAmerica, Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	N/A	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Not present
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

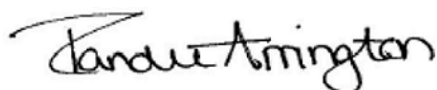
ANALYTICAL REPORT

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

Laboratory Job ID: 590-13799-1
Client Project/Site: Kaiser/7839-045-07

For:
GeoEngineers Inc
523 East Second Ave
Spokane, Washington 99202

Attn: Scott Lathen



Authorized for release by:
9/3/2020 9:22:47 AM

Randee Arrington, Project Manager II
(509)924-9200
Randee.Arrington@Eurofinset.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Case Narrative

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-07

Job ID: 590-13799-1

Job ID: 590-13799-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt

The sample was received on 9/1/2020 3:20 PM; the sample arrived in good condition, and where required, properly preserved and on ice.

Metals

Method 6010D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 590-28811 and analytical batch 590-28824 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 590-28811 and analytical batch 590-28830 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010D: The low level initial calibration verification (ICVL) associated with batch 590-28830 recovered above the upper control limit for Zinc. All reported samples associated with this ICVL were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the ICVL.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-07

Job ID: 590-13799-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
590-13799-1	Lagoon Inlet' . 900120	Water	09/01/20 14:30	09/01/20 15:20	

Definitions/Glossary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-07

Job ID: 590-13799-1

Qualifiers

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-07

Job ID: 590-13799-1

Client Sample ID: Lagoon Inlet' . 900120

Lab Sample ID: 590-13799-1

Date Collected: 09/01/20 14:30

Matrix: Water

Date Received: 09/01/20 15:20

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	9.7	^	0.20	0.018	mg/L		09/02/20 10:52	09/02/20 17:01	2

QC Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-07

Job ID: 590-13799-1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 590-28811/2-A
Matrix: Water
Analysis Batch: 28830

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 28811

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND	^	0.10	0.0090	mg/L		09/02/20 10:52	09/02/20 16:58	1

Lab Sample ID: LCS 590-28811/1-A
Matrix: Water
Analysis Batch: 28830

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 28811

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	1.00	1.10	^	mg/L		110	80 - 120

Lab Sample ID: 590-13799-1 MS
Matrix: Water
Analysis Batch: 28830

Client Sample ID: Lagoon Inlet' . 900120
Prep Type: Total Recoverable
Prep Batch: 28811

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	9.7	^	1.00	11.3	4 ^	mg/L		159	75 - 125

Lab Sample ID: 590-13799-1 MSD
Matrix: Water
Analysis Batch: 28830

Client Sample ID: Lagoon Inlet' . 900120
Prep Type: Total Recoverable
Prep Batch: 28811

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Zinc	9.7	^	1.00	11.1	4 ^	mg/L		137	75 - 125	2	20

Lab Sample ID: 590-13799-1 DU
Matrix: Water
Analysis Batch: 28830

Client Sample ID: Lagoon Inlet' . 900120
Prep Type: Total Recoverable
Prep Batch: 28811

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Zinc	9.7	^	9.83	^	mg/L		0.9	20

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-07

Job ID: 590-13799-1

Client Sample ID: Lagoon Inlet' . 900120

Lab Sample ID: 590-13799-1

Date Collected: 09/01/20 14:30

Matrix: Water

Date Received: 09/01/20 15:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	28811	09/02/20 10:52	AMB	TAL SPK
Total Recoverable	Analysis	6010D		2			28830	09/02/20 17:01	AMB	TAL SPK

Laboratory References:

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-07

Job ID: 590-13799-1

Laboratory: Eurofins TestAmerica, Spokane

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-21

1
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Method Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-07

Job ID: 590-13799-1

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	TAL SPK
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL SPK

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

11922 E. 1st Ave.

Spokane, WA 99206
Phone: 509.924.9200 Fax:

Chain of Custody Record

013829

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:[illegible]

Login Sample Receipt Checklist

Client: GeoEngineers Inc

Job Number: 590-13799-1

Login Number: 13799

List Number: 1

Creator: O'Toole, Maria C

List Source: Eurofins TestAmerica, Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

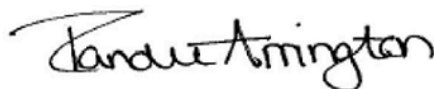
ANALYTICAL REPORT

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

Laboratory Job ID: 590-13799-1
Client Project/Site: Kaiser/7839-045-07
Revision: 1

For:
GeoEngineers Inc
523 East Second Ave
Spokane, Washington 99202

Attn: Scott Lathen



Authorized for release by:
9/4/2020 10:27:56 AM

Randee Arrington, Project Manager II
(509)924-9200
Randee.Arrington@Eurofinset.com

LINKS

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results through
TotalAccess

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www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Case Narrative

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-07

Job ID: 590-13799-1

Job ID: 590-13799-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Revision

The report being provided is a revision of the original report sent on 9/3/2020. The report (revision 1) is being revised due to: The following client sample ID was revised per the clients request: 590-13799-1.

Receipt

The sample was received on 9/1/2020 3:20 PM; the sample arrived in good condition, and where required, properly preserved and on ice.

Metals

Method 6010D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 590-28811 and analytical batch 590-28824 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 590-28811 and analytical batch 590-28830 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010D: The low level initial calibration verification (ICVL) associated with batch 590-28830 recovered above the upper control limit for Zinc. All reported samples associated with this ICVL were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the ICVL.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-07

Job ID: 590-13799-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
590-13799-1	Lagoon Inlet: 090120	Water	09/01/20 14:30	09/01/20 15:20	

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Definitions/Glossary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-07

Job ID: 590-13799-1

Qualifiers

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-07

Job ID: 590-13799-1

Client Sample ID: Lagoon Inlet: 090120

Lab Sample ID: 590-13799-1

Date Collected: 09/01/20 14:30

Matrix: Water

Date Received: 09/01/20 15:20

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	9.7	^	0.20	0.018	mg/L		09/02/20 10:52	09/02/20 17:01	2

QC Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-07

Job ID: 590-13799-1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 590-28811/2-A
Matrix: Water
Analysis Batch: 28830

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 28811

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND	^	0.10	0.0090	mg/L		09/02/20 10:52	09/02/20 16:58	1

Lab Sample ID: LCS 590-28811/1-A
Matrix: Water
Analysis Batch: 28830

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 28811

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	1.00	1.10	^	mg/L		110	80 - 120

Lab Sample ID: 590-13799-1 MS
Matrix: Water
Analysis Batch: 28830

Client Sample ID: Lagoon Inlet: 090120
Prep Type: Total Recoverable
Prep Batch: 28811

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	9.7	^	1.00	11.3	4 ^	mg/L		159	75 - 125

Lab Sample ID: 590-13799-1 MSD
Matrix: Water
Analysis Batch: 28830

Client Sample ID: Lagoon Inlet: 090120
Prep Type: Total Recoverable
Prep Batch: 28811

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Zinc	9.7	^	1.00	11.1	4 ^	mg/L		137	75 - 125	2	20

Lab Sample ID: 590-13799-1 DU
Matrix: Water
Analysis Batch: 28830

Client Sample ID: Lagoon Inlet: 090120
Prep Type: Total Recoverable
Prep Batch: 28811

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Zinc	9.7	^	9.83	^	mg/L		0.9	20

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-07

Job ID: 590-13799-1

Client Sample ID: Lagoon Inlet: 090120

Lab Sample ID: 590-13799-1

Date Collected: 09/01/20 14:30

Matrix: Water

Date Received: 09/01/20 15:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	28811	09/02/20 10:52	AMB	TAL SPK
Total Recoverable	Analysis	6010D		2			28830	09/02/20 17:01	AMB	TAL SPK

Laboratory References:

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-07

Job ID: 590-13799-1

Laboratory: Eurofins TestAmerica, Spokane

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-21

1
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Method Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-07

Job ID: 590-13799-1

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	TAL SPK
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL SPK

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

11922 E. 1st Ave.

Spokane, WA 99206
Phone: 509.924.9200 Fax:

Chain of Custody Record

013829

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:[illegible]

Login Sample Receipt Checklist

Client: GeoEngineers Inc

Job Number: 590-13799-1

Login Number: 13799

List Number: 1

Creator: O'Toole, Maria C

List Source: Eurofins TestAmerica, Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

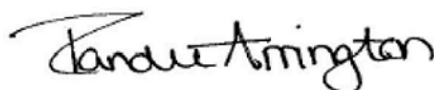
ANALYTICAL REPORT

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

Laboratory Job ID: 590-13825-1
Client Project/Site: Kaiser/7839-045-02

For:
GeoEngineers Inc
523 East Second Ave
Spokane, Washington 99202

Attn: Scott Lathen



Authorized for release by:
9/8/2020 3:05:44 PM

Randee Arrington, Project Manager II
(509)924-9200
Randee.Arrington@Eurofinset.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13825-1

Job ID: 590-13825-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt

The sample was received on 9/4/2020 11:55 AM; the sample arrived in good condition. The temperature of the cooler at receipt was 16.6° C.

Metals

Method 6010D: The low level continuing calibration verification (CCVL) associated with batch 590-28872 recovered above the upper control limit for Zinc. All reported samples associated with this CCVL were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13825-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
590-13825-1	Lagoon Inlet:090420	Water	09/04/20 11:00	09/04/20 11:55	

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Definitions/Glossary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13825-1

Qualifiers

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13825-1

Client Sample ID: Lagoon Inlet:090420

Lab Sample ID: 590-13825-1

Date Collected: 09/04/20 11:00

Matrix: Water

Date Received: 09/04/20 11:55

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.66	^	0.25	0.023	mg/L		09/04/20 12:40	09/04/20 16:31	1

QC Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13825-1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 590-28862/1-B

Matrix: Water

Analysis Batch: 28872

Client Sample ID: Method Blank

Prep Type: Dissolved

Prep Batch: 28866

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND	^	0.10	0.0090	mg/L		09/04/20 12:40	09/04/20 16:27	1

Lab Sample ID: LCS 590-28862/2-B

Matrix: Water

Analysis Batch: 28872

Client Sample ID: Lab Control Sample

Prep Type: Dissolved

Prep Batch: 28866

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	1.00	1.14	^	mg/L		114	80 - 120

Lab Sample ID: 590-13825-1 MS

Matrix: Water

Analysis Batch: 28872

Client Sample ID: Lagoon Inlet:090420

Prep Type: Dissolved

Prep Batch: 28866

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	0.66	^	2.50	3.40	^	mg/L		110	75 - 125

Lab Sample ID: 590-13825-1 MSD

Matrix: Water

Analysis Batch: 28872

Client Sample ID: Lagoon Inlet:090420

Prep Type: Dissolved

Prep Batch: 28866

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Zinc	0.66	^	2.50	3.35	^	mg/L		108	75 - 125	1	20

Lab Sample ID: 590-13825-1 DU

Matrix: Water

Analysis Batch: 28872

Client Sample ID: Lagoon Inlet:090420

Prep Type: Dissolved

Prep Batch: 28866

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Zinc	0.66	^	0.685	^	mg/L		4	20

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13825-1

Client Sample ID: Lagoon Inlet:090420

Lab Sample ID: 590-13825-1

Date Collected: 09/04/20 11:00

Matrix: Water

Date Received: 09/04/20 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			250 mL	250 mL	28862	09/04/20 12:32	AMB	TAL SPK
Dissolved	Prep	3005A			20 mL	50 mL	28866	09/04/20 12:40	AMB	TAL SPK
Dissolved	Analysis	6010D		1			28872	09/04/20 16:31	AMB	TAL SPK

Laboratory References:

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13825-1

Laboratory: Eurofins TestAmerica, Spokane

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-21

1
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Method Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13825-1

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	TAL SPK
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL SPK
FILTRATION	Sample Filtration	None	TAL SPK

Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

11922 E. 1st Ave.

Spokane, WA 99206
Phone: 509.924.9200 Fax:

Chain of Custody Record

013840

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

TAL-8210 (0713)

9/8/2020

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:[illegible]

Login Sample Receipt Checklist

Client: GeoEngineers Inc

Job Number: 590-13825-1

Login Number: 13825

List Number: 1

Creator: O'Toole, Maria C

List Source: Eurofins TestAmerica, Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	N/A	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	not present
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

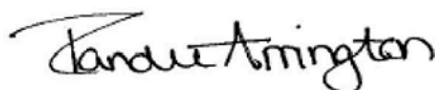
ANALYTICAL REPORT

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

Laboratory Job ID: 590-13874-1
Client Project/Site: Kaiser/7839-045-02

For:
GeoEngineers Inc
523 East Second Ave
Spokane, Washington 99202

Attn: Scott Lathen



Authorized for release by:
9/17/2020 11:23:17 AM

Randee Arrington, Project Manager II
(509)924-9200
Randee.Arrington@Eurofinset.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13874-1

Job ID: 590-13874-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt

The samples were received on 9/15/2020 3:05 PM; the samples arrived in good condition. The temperature of the cooler at receipt was 14.1° C.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13874-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
590-13874-1	UPPER POND - 091520	Water	09/15/20 13:45	09/15/20 15:05	
590-13874-2	Vault - 091520	Water	09/15/20 14:00	09/15/20 15:05	

Definitions/Glossary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13874-1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13874-1

Client Sample ID: UPPER POND - 091520

Lab Sample ID: 590-13874-1

Date Collected: 09/15/20 13:45

Matrix: Water

Date Received: 09/15/20 15:05

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.040	J	0.10	0.0090	mg/L		09/16/20 08:33	09/16/20 14:34	1

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.040	J	0.10	0.0090	mg/L		09/16/20 10:47	09/16/20 15:14	1

Client Sample ID: Vault - 091520

Lab Sample ID: 590-13874-2

Date Collected: 09/15/20 14:00

Matrix: Water

Date Received: 09/15/20 15:05

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	1.9		0.10	0.0090	mg/L		09/16/20 08:33	09/16/20 14:54	1

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	2.7		0.10	0.0090	mg/L		09/16/20 10:47	09/16/20 15:34	1

QC Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13874-1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 590-28977/2-A
Matrix: Water
Analysis Batch: 28993

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 28977

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.10	0.0090	mg/L		09/16/20 08:33	09/16/20 14:31	1

Lab Sample ID: LCS 590-28977/1-A
Matrix: Water
Analysis Batch: 28993

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 28977

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	1.00	1.07		mg/L		107	80 - 120

Lab Sample ID: 590-13874-1 MS
Matrix: Water
Analysis Batch: 28993

Client Sample ID: UPPER POND - 091520
Prep Type: Total Recoverable
Prep Batch: 28977

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	0.040	J	1.00	1.06		mg/L		102	75 - 125

Lab Sample ID: 590-13874-1 MSD
Matrix: Water
Analysis Batch: 28993

Client Sample ID: UPPER POND - 091520
Prep Type: Total Recoverable
Prep Batch: 28977

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Zinc	0.040	J	1.00	1.09		mg/L		105	75 - 125	3	20

Lab Sample ID: 590-13874-1 DU
Matrix: Water
Analysis Batch: 28993

Client Sample ID: UPPER POND - 091520
Prep Type: Total Recoverable
Prep Batch: 28977

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Zinc	0.040	J	0.0406	J	mg/L		2	20

Lab Sample ID: MB 590-28974/1-B
Matrix: Water
Analysis Batch: 28993

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 28985

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.10	0.0090	mg/L		09/16/20 10:47	09/16/20 15:10	1

Lab Sample ID: LCS 590-28974/2-B
Matrix: Water
Analysis Batch: 28993

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 28985

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	1.00	1.03		mg/L		103	80 - 120

Lab Sample ID: 590-13874-1 MS
Matrix: Water
Analysis Batch: 28993

Client Sample ID: UPPER POND - 091520
Prep Type: Dissolved
Prep Batch: 28985

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	0.040	J	1.00	1.05		mg/L		101	75 - 125

Eurofins TestAmerica, Spokane

QC Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13874-1

Method: 6010D - Metals (ICP)

Lab Sample ID: 590-13874-1 MSD

Matrix: Water

Analysis Batch: 28993

Client Sample ID: UPPER POND - 091520

Prep Type: Dissolved

Prep Batch: 28985

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Zinc	0.040	J	1.00	1.04		mg/L		100	75 - 125	1	20

Lab Sample ID: 590-13874-1 DU

Matrix: Water

Analysis Batch: 28993

Client Sample ID: UPPER POND - 091520

Prep Type: Dissolved

Prep Batch: 28985

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Zinc	0.040	J	0.0394	J	mg/L		0.3	20

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13874-1

Client Sample ID: UPPER POND - 091520

Lab Sample ID: 590-13874-1

Date Collected: 09/15/20 13:45

Matrix: Water

Date Received: 09/15/20 15:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			250 mL	250 mL	28974	09/16/20 08:24	AMB	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	28985	09/16/20 10:47	AMB	TAL SPK
Dissolved	Analysis	6010D		1			28993	09/16/20 15:14	AMB	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	28977	09/16/20 08:33	AMB	TAL SPK
Total Recoverable	Analysis	6010D		1			28993	09/16/20 14:34	AMB	TAL SPK

Client Sample ID: Vault - 091520

Lab Sample ID: 590-13874-2

Date Collected: 09/15/20 14:00

Matrix: Water

Date Received: 09/15/20 15:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			250 mL	250 mL	28974	09/16/20 08:24	AMB	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	28985	09/16/20 10:47	AMB	TAL SPK
Dissolved	Analysis	6010D		1			28993	09/16/20 15:34	AMB	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	28977	09/16/20 08:33	AMB	TAL SPK
Total Recoverable	Analysis	6010D		1			28993	09/16/20 14:54	AMB	TAL SPK

Laboratory References:

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13874-1

Laboratory: Eurofins TestAmerica, Spokane

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-21

1
2
3
4
5
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7
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11
12

Method Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13874-1

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	TAL SPK
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL SPK
FILTRATION	Sample Filtration	None	TAL SPK

Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

11922 E. 15th Ave.

Spokane, WA 99206
Phone: 509.924.9200 Fax:

Chain of Custody Record

013848

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

TAL-8210 (0713)

9/17/2020

Page 12 of 13

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:[illegible]

Login Sample Receipt Checklist

Client: GeoEngineers Inc

Job Number: 590-13874-1

Login Number: 13874

List Source: Eurofins TestAmerica, Spokane

List Number: 1

Creator: O'Toole, Maria C

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	N/A	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Not present
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

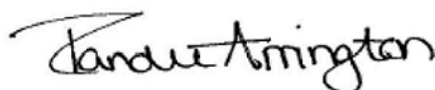
ANALYTICAL REPORT

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

Laboratory Job ID: 590-13901-1
Client Project/Site: Kaiser/7839-045-02

For:
GeoEngineers Inc
523 East Second Ave
Spokane, Washington 99202

Attn: Scott Lathen



*Authorized for release by:
9/23/2020 4:25:31 PM*

Randee Arrington, Project Manager II
(509)924-9200
Randee.Arrington@Eurofinset.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Case Narrative

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13901-1

Job ID: 590-13901-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt

The samples were received on 9/21/2020 8:45 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.2° C.

GC/MS Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

Method 6010D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 590-29031 and analytical batch 590-29056 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010D: The post digestion spike % recovery for Copper associated with batch 590-29056 was outside of control limits. The associated sample is: (590-13901-E-1-A PDS).

Method 6010D: The laboratory control sample (LCS) for preparation batch 590-29031 and analytical batch 590-29048 recovered outside control limits for the following analytes: Lead. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 6010D: The CCVL for preparation batch 590-29031 and analytical batch 590-29048 contained Zinc above the method limit. This target analyte concentration for the samples was ND or less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13901-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
590-13901-1	Remediation System 1:091820	Water	09/18/20 16:30	09/21/20 08:45	
590-13901-2	Remediation System 2:091820	Water	09/18/20 21:50	09/21/20 08:45	
590-13901-3	Remediation System 3:091820	Water	09/18/20 23:30	09/21/20 08:45	

Definitions/Glossary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13901-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13901-1

Client Sample ID: Remediation System 1:091820

Lab Sample ID: 590-13901-1

Date Collected: 09/18/20 16:30

Matrix: Water

Date Received: 09/21/20 08:45

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.088	0.052	ug/L		09/21/20 15:32	09/22/20 00:05	1
2-Methylnaphthalene	ND		0.088	0.043	ug/L		09/21/20 15:32	09/22/20 00:05	1
1-Methylnaphthalene	ND		0.088	0.022	ug/L		09/21/20 15:32	09/22/20 00:05	1
Acenaphthylene	ND		0.088	0.016	ug/L		09/21/20 15:32	09/22/20 00:05	1
Acenaphthene	ND		0.088	0.021	ug/L		09/21/20 15:32	09/22/20 00:05	1
Fluorene	ND		0.088	0.016	ug/L		09/21/20 15:32	09/22/20 00:05	1
Phenanthrene	ND		0.088	0.055	ug/L		09/21/20 15:32	09/22/20 00:05	1
Anthracene	ND		0.088	0.024	ug/L		09/21/20 15:32	09/22/20 00:05	1
Fluoranthene	0.054	J	0.088	0.017	ug/L		09/21/20 15:32	09/22/20 00:05	1
Pyrene	0.057	J	0.088	0.025	ug/L		09/21/20 15:32	09/22/20 00:05	1
Benzo[a]anthracene	0.036	J	0.088	0.012	ug/L		09/21/20 15:32	09/22/20 00:05	1
Chrysene	0.050	J	0.088	0.0097	ug/L		09/21/20 15:32	09/22/20 00:05	1
Benzo[b]fluoranthene	0.079	J	0.088	0.011	ug/L		09/21/20 15:32	09/22/20 00:05	1
Benzo[k]fluoranthene	ND		0.088	0.015	ug/L		09/21/20 15:32	09/22/20 00:05	1
Benzo[a]pyrene	0.054	J	0.088	0.012	ug/L		09/21/20 15:32	09/22/20 00:05	1
Indeno[1,2,3-cd]pyrene	0.039	J	0.088	0.021	ug/L		09/21/20 15:32	09/22/20 00:05	1
Dibenz(a,h)anthracene	0.019	J	0.088	0.013	ug/L		09/21/20 15:32	09/22/20 00:05	1
Benzo[g,h,i]perylene	0.042	J	0.088	0.020	ug/L		09/21/20 15:32	09/22/20 00:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	64		44 - 121	09/21/20 15:32	09/22/20 00:05	1
2-Fluorobiphenyl (Surr)	60		44 - 120	09/21/20 15:32	09/22/20 00:05	1
p-Terphenyl-d14	67		51 - 121	09/21/20 15:32	09/22/20 00:05	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.050	0.031	ug/L		09/23/20 10:44	09/23/20 12:35	1
PCB-1221	ND		0.050	0.031	ug/L		09/23/20 10:44	09/23/20 12:35	1
PCB-1232	ND		0.050	0.031	ug/L		09/23/20 10:44	09/23/20 12:35	1
PCB-1242	ND		0.050	0.031	ug/L		09/23/20 10:44	09/23/20 12:35	1
PCB-1248	ND		0.050	0.031	ug/L		09/23/20 10:44	09/23/20 12:35	1
PCB-1254	ND		0.050	0.031	ug/L		09/23/20 10:44	09/23/20 12:35	1
PCB-1260	ND		0.050	0.022	ug/L		09/23/20 10:44	09/23/20 12:35	1
PCB-1268	ND		0.050	0.031	ug/L		09/23/20 10:44	09/23/20 12:35	1
PCB-1262	ND		0.050	0.031	ug/L		09/23/20 10:44	09/23/20 12:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	59		20 - 120	09/23/20 10:44	09/23/20 12:35	1
DCB Decachlorobiphenyl (Surr)	74		32 - 123	09/23/20 10:44	09/23/20 12:35	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.24	0.11	mg/L		09/21/20 12:14	09/21/20 14:30	1
Residual Range Organics (RRO) (C25-C36)	ND		0.40	0.12	mg/L		09/21/20 12:14	09/21/20 14:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	94		50 - 150	09/21/20 12:14	09/21/20 14:30	1
n-Triacontane-d62	93		50 - 150	09/21/20 12:14	09/21/20 14:30	1

Eurofins TestAmerica, Spokane

Client Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13901-1

Client Sample ID: Remediation System 1:091820

Lab Sample ID: 590-13901-1

Date Collected: 09/18/20 16:30

Matrix: Water

Date Received: 09/21/20 08:45

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	0.0049	J F1	0.080	0.0034	mg/L		09/21/20 10:48	09/22/20 11:36	1
Lead	ND	^ * F1	0.060	0.0051	mg/L		09/21/20 10:48	09/21/20 15:52	1
Zinc	ND	^	0.10	0.0090	mg/L		09/21/20 10:48	09/21/20 15:52	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.6	HF	0.1	0.1	SU			09/21/20 11:20	1

Client Sample ID: Remediation System 2:091820

Lab Sample ID: 590-13901-2

Date Collected: 09/18/20 21:50

Matrix: Water

Date Received: 09/21/20 08:45

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.089	0.052	ug/L		09/21/20 15:32	09/22/20 00:29	1
2-Methylnaphthalene	ND		0.089	0.043	ug/L		09/21/20 15:32	09/22/20 00:29	1
1-Methylnaphthalene	ND		0.089	0.023	ug/L		09/21/20 15:32	09/22/20 00:29	1
Acenaphthylene	ND		0.089	0.016	ug/L		09/21/20 15:32	09/22/20 00:29	1
Acenaphthene	ND		0.089	0.022	ug/L		09/21/20 15:32	09/22/20 00:29	1
Fluorene	ND		0.089	0.016	ug/L		09/21/20 15:32	09/22/20 00:29	1
Phenanthrene	0.074	J	0.089	0.055	ug/L		09/21/20 15:32	09/22/20 00:29	1
Anthracene	ND		0.089	0.025	ug/L		09/21/20 15:32	09/22/20 00:29	1
Fluoranthene	0.10		0.089	0.017	ug/L		09/21/20 15:32	09/22/20 00:29	1
Pyrene	0.11		0.089	0.026	ug/L		09/21/20 15:32	09/22/20 00:29	1
Benzo[a]anthracene	0.065	J	0.089	0.012	ug/L		09/21/20 15:32	09/22/20 00:29	1
Chrysene	0.097		0.089	0.0099	ug/L		09/21/20 15:32	09/22/20 00:29	1
Benzo[b]fluoranthene	0.11		0.089	0.011	ug/L		09/21/20 15:32	09/22/20 00:29	1
Benzo[k]fluoranthene	0.051	J	0.089	0.015	ug/L		09/21/20 15:32	09/22/20 00:29	1
Benzo[a]pyrene	0.097		0.089	0.012	ug/L		09/21/20 15:32	09/22/20 00:29	1
Indeno[1,2,3-cd]pyrene	0.064	J	0.089	0.022	ug/L		09/21/20 15:32	09/22/20 00:29	1
Dibenz(a,h)anthracene	0.025	J	0.089	0.013	ug/L		09/21/20 15:32	09/22/20 00:29	1
Benzo[g,h,i]perylene	0.081	J	0.089	0.021	ug/L		09/21/20 15:32	09/22/20 00:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	75		44 - 121	09/21/20 15:32	09/22/20 00:29	1
2-Fluorobiphenyl (Surr)	71		44 - 120	09/21/20 15:32	09/22/20 00:29	1
p-Terphenyl-d14	76		51 - 121	09/21/20 15:32	09/22/20 00:29	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.049	0.031	ug/L		09/23/20 10:44	09/23/20 12:56	1
PCB-1221	ND		0.049	0.031	ug/L		09/23/20 10:44	09/23/20 12:56	1
PCB-1232	ND		0.049	0.031	ug/L		09/23/20 10:44	09/23/20 12:56	1
PCB-1242	ND		0.049	0.031	ug/L		09/23/20 10:44	09/23/20 12:56	1
PCB-1248	ND		0.049	0.031	ug/L		09/23/20 10:44	09/23/20 12:56	1
PCB-1254	ND		0.049	0.031	ug/L		09/23/20 10:44	09/23/20 12:56	1
PCB-1260	ND		0.049	0.021	ug/L		09/23/20 10:44	09/23/20 12:56	1
PCB-1268	ND		0.049	0.031	ug/L		09/23/20 10:44	09/23/20 12:56	1
PCB-1262	ND		0.049	0.031	ug/L		09/23/20 10:44	09/23/20 12:56	1

Eurofins TestAmerica, Spokane

Client Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13901-1

Client Sample ID: Remediation System 2:091820

Lab Sample ID: 590-13901-2

Date Collected: 09/18/20 21:50

Matrix: Water

Date Received: 09/21/20 08:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	58		20 - 120	09/23/20 10:44	09/23/20 12:56	1
DCB Decachlorobiphenyl (Surr)	80		32 - 123	09/23/20 10:44	09/23/20 12:56	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.23	0.11	mg/L		09/21/20 12:14	09/21/20 14:51	1
Residual Range Organics (RRO) (C25-C36)	ND		0.39	0.12	mg/L		09/21/20 12:14	09/21/20 14:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150	09/21/20 12:14	09/21/20 14:51	1
n-Triacontane-d62	96		50 - 150	09/21/20 12:14	09/21/20 14:51	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	0.0086	J	0.080	0.0034	mg/L		09/21/20 10:48	09/22/20 11:56	1
Lead	ND	^ *	0.060	0.0051	mg/L		09/21/20 10:48	09/21/20 16:12	1
Zinc	0.016	J ^	0.10	0.0090	mg/L		09/21/20 10:48	09/21/20 16:12	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.2	HF	0.1	0.1	SU			09/21/20 11:20	1

Client Sample ID: Remediation System 3:091820

Lab Sample ID: 590-13901-3

Date Collected: 09/18/20 23:30

Matrix: Water

Date Received: 09/21/20 08:45

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.091	0.054	ug/L		09/21/20 15:32	09/22/20 00:52	1
2-Methylnaphthalene	ND		0.091	0.044	ug/L		09/21/20 15:32	09/22/20 00:52	1
1-Methylnaphthalene	ND		0.091	0.023	ug/L		09/21/20 15:32	09/22/20 00:52	1
Acenaphthylene	ND		0.091	0.016	ug/L		09/21/20 15:32	09/22/20 00:52	1
Acenaphthene	ND		0.091	0.022	ug/L		09/21/20 15:32	09/22/20 00:52	1
Fluorene	ND		0.091	0.016	ug/L		09/21/20 15:32	09/22/20 00:52	1
Phenanthrene	0.078	J	0.091	0.057	ug/L		09/21/20 15:32	09/22/20 00:52	1
Anthracene	ND		0.091	0.025	ug/L		09/21/20 15:32	09/22/20 00:52	1
Fluoranthene	0.12		0.091	0.017	ug/L		09/21/20 15:32	09/22/20 00:52	1
Pyrene	0.14		0.091	0.026	ug/L		09/21/20 15:32	09/22/20 00:52	1
Benzo[a]anthracene	0.078	J	0.091	0.012	ug/L		09/21/20 15:32	09/22/20 00:52	1
Chrysene	0.11		0.091	0.010	ug/L		09/21/20 15:32	09/22/20 00:52	1
Benzo[b]fluoranthene	0.17		0.091	0.011	ug/L		09/21/20 15:32	09/22/20 00:52	1
Benzo[k]fluoranthene	ND		0.091	0.015	ug/L		09/21/20 15:32	09/22/20 00:52	1
Benzo[a]pyrene	0.12		0.091	0.012	ug/L		09/21/20 15:32	09/22/20 00:52	1
Indeno[1,2,3-cd]pyrene	0.072	J	0.091	0.022	ug/L		09/21/20 15:32	09/22/20 00:52	1
Dibenz(a,h)anthracene	0.029	J	0.091	0.013	ug/L		09/21/20 15:32	09/22/20 00:52	1
Benzo[g,h,i]perylene	0.094		0.091	0.021	ug/L		09/21/20 15:32	09/22/20 00:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	67		44 - 121	09/21/20 15:32	09/22/20 00:52	1
2-Fluorobiphenyl (Surr)	60		44 - 120	09/21/20 15:32	09/22/20 00:52	1

Eurofins TestAmerica, Spokane

Client Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13901-1

Client Sample ID: Remediation System 3:091820

Lab Sample ID: 590-13901-3

Date Collected: 09/18/20 23:30

Matrix: Water

Date Received: 09/21/20 08:45

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl-d14	70		51 - 121	09/21/20 15:32	09/22/20 00:52	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.051	0.032	ug/L		09/23/20 10:44	09/23/20 13:17	1
PCB-1221	ND		0.051	0.032	ug/L		09/23/20 10:44	09/23/20 13:17	1
PCB-1232	ND		0.051	0.032	ug/L		09/23/20 10:44	09/23/20 13:17	1
PCB-1242	ND		0.051	0.032	ug/L		09/23/20 10:44	09/23/20 13:17	1
PCB-1248	ND		0.051	0.032	ug/L		09/23/20 10:44	09/23/20 13:17	1
PCB-1254	ND		0.051	0.032	ug/L		09/23/20 10:44	09/23/20 13:17	1
PCB-1260	ND		0.051	0.022	ug/L		09/23/20 10:44	09/23/20 13:17	1
PCB-1268	ND		0.051	0.032	ug/L		09/23/20 10:44	09/23/20 13:17	1
PCB-1262	ND		0.051	0.032	ug/L		09/23/20 10:44	09/23/20 13:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	53		20 - 120	09/23/20 10:44	09/23/20 13:17	1
DCB Decachlorobiphenyl (Surr)	84		32 - 123	09/23/20 10:44	09/23/20 13:17	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.23	0.11	mg/L		09/21/20 12:14	09/21/20 15:12	1
Residual Range Organics (RRO) (C25-C36)	ND		0.39	0.12	mg/L		09/21/20 12:14	09/21/20 15:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	92		50 - 150	09/21/20 12:14	09/21/20 15:12	1
n-Triacontane-d62	91		50 - 150	09/21/20 12:14	09/21/20 15:12	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	0.0095	J	0.080	0.0034	mg/L		09/21/20 10:48	09/22/20 11:59	1
Lead	ND	^ *	0.060	0.0051	mg/L		09/21/20 10:48	09/21/20 16:15	1
Zinc	0.028	J ^	0.10	0.0090	mg/L		09/21/20 10:48	09/21/20 16:15	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.7	HF	0.1	0.1	SU			09/21/20 11:20	1

QC Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13901-1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 590-29041/1-A

Matrix: Water

Analysis Batch: 29042

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29041

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.090	0.053	ug/L		09/21/20 15:32	09/21/20 22:56	1
2-Methylnaphthalene	ND		0.090	0.044	ug/L		09/21/20 15:32	09/21/20 22:56	1
1-Methylnaphthalene	ND		0.090	0.023	ug/L		09/21/20 15:32	09/21/20 22:56	1
Acenaphthylene	ND		0.090	0.016	ug/L		09/21/20 15:32	09/21/20 22:56	1
Acenaphthene	ND		0.090	0.022	ug/L		09/21/20 15:32	09/21/20 22:56	1
Fluorene	ND		0.090	0.016	ug/L		09/21/20 15:32	09/21/20 22:56	1
Phenanthrene	ND		0.090	0.056	ug/L		09/21/20 15:32	09/21/20 22:56	1
Anthracene	ND		0.090	0.025	ug/L		09/21/20 15:32	09/21/20 22:56	1
Fluoranthene	ND		0.090	0.017	ug/L		09/21/20 15:32	09/21/20 22:56	1
Pyrene	ND		0.090	0.026	ug/L		09/21/20 15:32	09/21/20 22:56	1
Benzo[a]anthracene	ND		0.090	0.012	ug/L		09/21/20 15:32	09/21/20 22:56	1
Chrysene	ND		0.090	0.010	ug/L		09/21/20 15:32	09/21/20 22:56	1
Benzo[b]fluoranthene	ND		0.090	0.011	ug/L		09/21/20 15:32	09/21/20 22:56	1
Benzo[k]fluoranthene	ND		0.090	0.015	ug/L		09/21/20 15:32	09/21/20 22:56	1
Benzo[a]pyrene	ND		0.090	0.012	ug/L		09/21/20 15:32	09/21/20 22:56	1
Indeno[1,2,3-cd]pyrene	ND		0.090	0.022	ug/L		09/21/20 15:32	09/21/20 22:56	1
Dibenz(a,h)anthracene	ND		0.090	0.013	ug/L		09/21/20 15:32	09/21/20 22:56	1
Benzo[g,h,i]perylene	ND		0.090	0.021	ug/L		09/21/20 15:32	09/21/20 22:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	68		44 - 121	09/21/20 15:32	09/21/20 22:56	1
2-Fluorobiphenyl (Surr)	70		44 - 120	09/21/20 15:32	09/21/20 22:56	1
p-Terphenyl-d14	81		51 - 121	09/21/20 15:32	09/21/20 22:56	1

Lab Sample ID: LCS 590-29041/2-A

Matrix: Water

Analysis Batch: 29042

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29041

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	1.60	1.08		ug/L		67	52 - 120
2-Methylnaphthalene	1.60	0.924		ug/L		58	44 - 120
1-Methylnaphthalene	1.60	0.964		ug/L		60	49 - 120
Acenaphthylene	1.60	1.24		ug/L		78	57 - 120
Acenaphthene	1.60	1.26		ug/L		79	54 - 120
Fluorene	1.60	1.23		ug/L		77	59 - 120
Phenanthrene	1.60	1.39		ug/L		87	66 - 120
Anthracene	1.60	1.36		ug/L		85	59 - 120
Fluoranthene	1.60	1.26		ug/L		79	64 - 120
Pyrene	1.60	1.34		ug/L		84	61 - 120
Benzo[a]anthracene	1.60	1.34		ug/L		84	68 - 120
Chrysene	1.60	1.43		ug/L		89	69 - 120
Benzo[b]fluoranthene	1.60	1.48		ug/L		92	63 - 120
Benzo[k]fluoranthene	1.60	1.61		ug/L		100	67 - 120
Benzo[a]pyrene	1.60	1.42		ug/L		89	70 - 120
Indeno[1,2,3-cd]pyrene	1.60	1.42		ug/L		89	66 - 120
Dibenz(a,h)anthracene	1.60	1.41		ug/L		88	65 - 120
Benzo[g,h,i]perylene	1.60	1.45		ug/L		90	65 - 120

Eurofins TestAmerica, Spokane

QC Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13901-1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 590-29041/2-A

Matrix: Water

Analysis Batch: 29042

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29041

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	68		44 - 121
2-Fluorobiphenyl (Surr)	60		44 - 120
p-Terphenyl-d14	71		51 - 121

Lab Sample ID: LCSD 590-29041/3-A

Matrix: Water

Analysis Batch: 29042

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29041

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naphthalene	1.60	1.11		ug/L		69	52 - 120	3	21
2-Methylnaphthalene	1.60	0.929		ug/L		58	44 - 120	1	27
1-Methylnaphthalene	1.60	0.967		ug/L		60	49 - 120	0	26
Acenaphthylene	1.60	1.23		ug/L		77	57 - 120	1	21
Acenaphthene	1.60	1.27		ug/L		79	54 - 120	1	22
Fluorene	1.60	1.22		ug/L		77	59 - 120	0	18
Phenanthrene	1.60	1.37		ug/L		86	66 - 120	2	16
Anthracene	1.60	1.33		ug/L		83	59 - 120	2	18
Fluoranthene	1.60	1.21		ug/L		76	64 - 120	4	13
Pyrene	1.60	1.31		ug/L		82	61 - 120	3	17
Benzo[a]anthracene	1.60	1.30		ug/L		81	68 - 120	3	12
Chrysene	1.60	1.36		ug/L		85	69 - 120	5	14
Benzo[b]fluoranthene	1.60	1.45		ug/L		91	63 - 120	2	22
Benzo[k]fluoranthene	1.60	1.58		ug/L		99	67 - 120	2	19
Benzo[a]pyrene	1.60	1.39		ug/L		87	70 - 120	3	13
Indeno[1,2,3-cd]pyrene	1.60	1.37		ug/L		86	66 - 120	3	24
Dibenz(a,h)anthracene	1.60	1.38		ug/L		86	65 - 120	2	24
Benzo[g,h,i]perylene	1.60	1.43		ug/L		89	65 - 120	2	25

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	71		44 - 121
2-Fluorobiphenyl (Surr)	60		44 - 120
p-Terphenyl-d14	69		51 - 121

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 590-29080/1-A

Matrix: Water

Analysis Batch: 29063

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29080

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.063	0.039	ug/L		09/23/20 10:44	09/23/20 11:32	1
PCB-1221	ND		0.063	0.039	ug/L		09/23/20 10:44	09/23/20 11:32	1
PCB-1232	ND		0.063	0.039	ug/L		09/23/20 10:44	09/23/20 11:32	1
PCB-1242	ND		0.063	0.039	ug/L		09/23/20 10:44	09/23/20 11:32	1
PCB-1248	ND		0.063	0.039	ug/L		09/23/20 10:44	09/23/20 11:32	1
PCB-1254	ND		0.063	0.039	ug/L		09/23/20 10:44	09/23/20 11:32	1
PCB-1260	ND		0.063	0.027	ug/L		09/23/20 10:44	09/23/20 11:32	1
PCB-1268	ND		0.063	0.039	ug/L		09/23/20 10:44	09/23/20 11:32	1

Eurofins TestAmerica, Spokane

QC Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13901-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 590-29080/1-A

Matrix: Water

Analysis Batch: 29063

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29080

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		0.063	0.039	ug/L		09/23/20 10:44	09/23/20 11:32	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	50		20 - 120				09/23/20 10:44	09/23/20 11:32	1
DCB Decachlorobiphenyl (Surr)	79		32 - 123				09/23/20 10:44	09/23/20 11:32	1

Lab Sample ID: LCS 590-29080/2-A

Matrix: Water

Analysis Batch: 29063

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29080

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.00	0.639		ug/L		64	51 - 120
PCB-1260	1.00	0.616		ug/L		62	42 - 120
Surrogate	%Recovery	LCS Qualifier	Limits				
Tetrachloro-m-xylene	44		20 - 120				
DCB Decachlorobiphenyl (Surr)	78		32 - 123				

Lab Sample ID: LCSD 590-29080/3-A

Matrix: Water

Analysis Batch: 29063

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29080

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
PCB-1016	1.00	0.663		ug/L		66	51 - 120	4	26
PCB-1260	1.00	0.657		ug/L		66	42 - 120	6	21
Surrogate	%Recovery	LCSD Qualifier	Limits						
Tetrachloro-m-xylene	49		20 - 120						
DCB Decachlorobiphenyl (Surr)	82		32 - 123						

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-29035/1-A

Matrix: Water

Analysis Batch: 29034

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29035

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.24	0.11	mg/L		09/21/20 12:14	09/21/20 13:27	1
Residual Range Organics (RRO) (C25-C36)	ND		0.40	0.12	mg/L		09/21/20 12:14	09/21/20 13:27	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	92		50 - 150				09/21/20 12:14	09/21/20 13:27	1
n-Triacontane-d62	93		50 - 150				09/21/20 12:14	09/21/20 13:27	1

Eurofins TestAmerica, Spokane

QC Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13901-1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCS 590-29035/2-A

Matrix: Water

Analysis Batch: 29034

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29035

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec.		
			Added	Result	Qualifier			Limits			
Diesel Range Organics (DRO) (C10-C25)			1.60	1.19		mg/L		74	50 - 150		
Residual Range Organics (RRO) (C25-C36)			1.60	1.42		mg/L		89	50 - 150		

Lab Sample ID: LCSD 590-29035/3-A

Matrix: Water

Analysis Batch: 29034

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29035

Analysis Data: 2000							Top Data: 2000				
Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	
			Added	Result	Qualifier				Limits	RPD	Limit
Diesel Range Organics (DRO) (C10-C25)			1.60	1.27		mg/L		80	50 - 150	7	25
Residual Range Organics (RRO) (C25-C36)			1.60	1.46		mg/L		91	50 - 150	3	25
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
o-Terphenyl	99		50 - 150								
n-Triacontane-d62	98		50 - 150								

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 590-29031/2-A

Matrix: Water

Analysis Batch: 29048

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 29031

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	^	0.060	0.0051	mg/L		09/21/20 10:48	09/21/20 15:49	1
Zinc	ND	^	0.10	0.0090	mg/L		09/21/20 10:48	09/21/20 15:49	1

Lab Sample ID: MB 590-29031/2-A

Matrix: Water

Analysis Batch: 29056

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 29031

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		0.080	0.0034	mg/L		09/21/20 10:48	09/22/20 11:32	1

Lab Sample ID: LCS 590-29031/1-A

Matrix: Water

Analysis Batch: 29048

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 29031

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1.00	1.34	^ *	mg/L		134	80 - 120
Zinc	1.00	1.10	^	mg/L		110	80 - 120

Eurofins TestAmerica, Spokane

QC Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13901-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 590-29031/1-A

Matrix: Water

Analysis Batch: 29056

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 29031

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	1.00	1.10		mg/L		110	80 - 120

Lab Sample ID: 590-13901-1 MS

Matrix: Water

Analysis Batch: 29048

Client Sample ID: Remediation System 1:091820

Prep Type: Total Recoverable

Prep Batch: 29031

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	ND	^ * F1	1.00	1.31	F1 ^	mg/L		131	75 - 125
Zinc	ND	^	1.00	1.13	^	mg/L		113	75 - 125

Lab Sample ID: 590-13901-1 MS

Matrix: Water

Analysis Batch: 29056

Client Sample ID: Remediation System 1:091820

Prep Type: Total Recoverable

Prep Batch: 29031

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	0.0049	J F1	1.00	1.34	F1	mg/L		134	75 - 125

Lab Sample ID: 590-13901-1 MSD

Matrix: Water

Analysis Batch: 29048

Client Sample ID: Remediation System 1:091820

Prep Type: Total Recoverable

Prep Batch: 29031

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	ND	^ * F1	1.00	1.32	F1 ^	mg/L		132	75 - 125	0	20
Zinc	ND	^	1.00	1.12	^	mg/L		112	75 - 125	1	20

Lab Sample ID: 590-13901-1 MSD

Matrix: Water

Analysis Batch: 29056

Client Sample ID: Remediation System 1:091820

Prep Type: Total Recoverable

Prep Batch: 29031

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Copper	0.0049	J F1	1.00	1.31	F1	mg/L		131	75 - 125	2	20

Lab Sample ID: 590-13901-1 DU

Matrix: Water

Analysis Batch: 29048

Client Sample ID: Remediation System 1:091820

Prep Type: Total Recoverable

Prep Batch: 29031

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	ND	^ * F1	ND	^ *	mg/L		NC	20
Zinc	ND	^	ND	^	mg/L		NC	20

Lab Sample ID: 590-13901-1 DU

Matrix: Water

Analysis Batch: 29056

Client Sample ID: Remediation System 1:091820

Prep Type: Total Recoverable

Prep Batch: 29031

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Copper	0.0049	J F1	0.00490	J	mg/L		0	20

QC Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13901-1

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 590-29033/1
Matrix: Water
Analysis Batch: 29033

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.0		SU		100	98.6 - 101.4

Lab Sample ID: 590-13901-1 DU
Matrix: Water
Analysis Batch: 29033

Client Sample ID: Remediation System 1:091820
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	9.6	HF	9.6		SU		0.3	10

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13901-1

Client Sample ID: Remediation System 1:091820

Lab Sample ID: 590-13901-1

Date Collected: 09/18/20 16:30

Matrix: Water

Date Received: 09/21/20 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			256.8 mL	2 mL	29041	09/21/20 15:32	NMI	TAL SPK
Total/NA	Analysis	8270E SIM		1			29042	09/22/20 00:05	NMI	TAL SPK
Total/NA	Prep	3510C			500.6 mL	2 mL	29080	09/23/20 10:44	NMI	TAL SPK
Total/NA	Analysis	8082A		1			29063	09/23/20 12:35	NMI	TAL SPK
Total/NA	Prep	3510C			249.1 mL	2 mL	29035	09/21/20 12:14	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			29034	09/21/20 14:30	NMI	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	29031	09/21/20 10:48	AMB	TAL SPK
Total Recoverable	Analysis	6010D		1			29048	09/21/20 15:52	AMB	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	29031	09/21/20 10:48	AMB	TAL SPK
Total Recoverable	Analysis	6010D		1			29056	09/22/20 11:36	AMB	TAL SPK
Total/NA	Analysis	SM 4500 H+ B		1			29033	09/21/20 11:20	AMB	TAL SPK

Client Sample ID: Remediation System 2:091820

Lab Sample ID: 590-13901-2

Date Collected: 09/18/20 21:50

Matrix: Water

Date Received: 09/21/20 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			253.6 mL	2 mL	29041	09/21/20 15:32	NMI	TAL SPK
Total/NA	Analysis	8270E SIM		1			29042	09/22/20 00:29	NMI	TAL SPK
Total/NA	Prep	3510C			508.3 mL	2 mL	29080	09/23/20 10:44	NMI	TAL SPK
Total/NA	Analysis	8082A		1			29063	09/23/20 12:56	NMI	TAL SPK
Total/NA	Prep	3510C			256.9 mL	2 mL	29035	09/21/20 12:14	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			29034	09/21/20 14:51	NMI	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	29031	09/21/20 10:48	AMB	TAL SPK
Total Recoverable	Analysis	6010D		1			29048	09/21/20 16:12	AMB	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	29031	09/21/20 10:48	AMB	TAL SPK
Total Recoverable	Analysis	6010D		1			29056	09/22/20 11:56	AMB	TAL SPK
Total/NA	Analysis	SM 4500 H+ B		1			29033	09/21/20 11:20	AMB	TAL SPK

Client Sample ID: Remediation System 3:091820

Lab Sample ID: 590-13901-3

Date Collected: 09/18/20 23:30

Matrix: Water

Date Received: 09/21/20 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			247.4 mL	2 mL	29041	09/21/20 15:32	NMI	TAL SPK
Total/NA	Analysis	8270E SIM		1			29042	09/22/20 00:52	NMI	TAL SPK
Total/NA	Prep	3510C			489.8 mL	2 mL	29080	09/23/20 10:44	NMI	TAL SPK
Total/NA	Analysis	8082A		1			29063	09/23/20 13:17	NMI	TAL SPK
Total/NA	Prep	3510C			257.1 mL	2 mL	29035	09/21/20 12:14	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			29034	09/21/20 15:12	NMI	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	29031	09/21/20 10:48	AMB	TAL SPK
Total Recoverable	Analysis	6010D		1			29048	09/21/20 16:15	AMB	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	29031	09/21/20 10:48	AMB	TAL SPK
Total Recoverable	Analysis	6010D		1			29056	09/22/20 11:59	AMB	TAL SPK
Total/NA	Analysis	SM 4500 H+ B		1			29033	09/21/20 11:20	AMB	TAL SPK

Eurofins TestAmerica, Spokane

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13901-1

Laboratory References:

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

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Accreditation/Certification Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13901-1

Laboratory: Eurofins TestAmerica, Spokane

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-21

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Method Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13901-1

Method	Method Description	Protocol	Laboratory
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL SPK
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL SPK
6010D	Metals (ICP)	SW846	TAL SPK
SM 4500 H+ B	pH	SM	TAL SPK
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL SPK
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL SPK

Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Eurofins TestAmerica, Spokane

11922 East 1st Ave

Spokane, WA 99206

Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

Environment Testing
America

Client Information		Sampler: <i>JML</i>		Lab PM: Arrington, Randee E		Carrier Tracking No(s):		COC No: 590-5893-1774.1																					
Client Contact: Scott Lathen		Phone: <i>406-239-7810</i>		E-Mail: Randee.Arrington@Eurofinset.com				Page: Page 1 of 1																					
Company: GeoEngineers Inc				Analysis Requested																									
Address: 523 East Second Ave		Due Date Requested:		<table border="1"> <tr> <td rowspan="5">Total Number of containers</td> <td>8082A - PCBs - Standard List</td> <td>8270E - SIM - Polycyclic Aromatic Hydrocarbons</td> <td>SM4500 - H+ - pH</td> <td>6010D - Cu, Pb & Zn</td> <td>NWTPH - DX - DRO and RRO</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>						Total Number of containers	8082A - PCBs - Standard List	8270E - SIM - Polycyclic Aromatic Hydrocarbons	SM4500 - H+ - pH	6010D - Cu, Pb & Zn	NWTPH - DX - DRO and RRO														
Total Number of containers	8082A - PCBs - Standard List	8270E - SIM - Polycyclic Aromatic Hydrocarbons	SM4500 - H+ - pH								6010D - Cu, Pb & Zn	NWTPH - DX - DRO and RRO																	
	City: Spokane		TAT Requested (days): <i>2 day</i>																										
	State, Zip: WA, 99202		PO #: 195999																										
	Phone: 509-251-5239(Tel)		WO #:																										
	Email: slathen@geoengineers.com		Project #: 59001531																										
Project Name: Kaiser/7839-045-02		SSOW#:																											
Site:																													
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, AA=Air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Preservation Codes:		Special Instructions/Note:													
<i>Remediation System 1: 091820</i>		<i>9/18/20</i>		<i>1630</i>		<i>G</i>		<i>Water</i>								<i>pH same day analysis</i>													
<i>Remediation System 2: 091820</i>		<i>9/18/20</i>		<i>2150</i>		<i>G</i>		<i>Water</i>																					
<i>Remediation System 3: 091920</i>		<i>9/19/20</i>		<i>2330</i>		<i>G</i>		<i>Water</i>																					
<i>091820</i>		<i>9/18/20</i>						<i>Water</i>								<i>labeled as 8/09/20</i>													
								<i>Water</i>																					
								<i>Water</i>																					
								<i>Water</i>																					
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																			
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological										<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																			
Deliverable Requested: I, II, III, IV, Other (specify)										Special Instructions/QC Requirements:																			
Empty Kit Relinquished by:				Date:		Time:		Method of Shipment:																					
Relinquished by: <i>Scott Lathen</i>				Date/Time: <i>9/21/20 845</i>		Company: <i>GEI</i>		Received by: <i>Randee Arrington</i>				Date/Time: <i>9/21/20 0845</i>		Company: <i>EIA/SP</i>															
Relinquished by:				Date/Time:		Company:		Received by:				Date/Time:		Company:															
Relinquished by:				Date/Time:		Company:		Received by:				Date/Time:		Company:															
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <i>5.2°C</i>																									



590-13901 Chain of Custody

Login Sample Receipt Checklist

Client: GeoEngineers Inc

Job Number: 590-13901-1

Login Number: 13901

List Source: Eurofins TestAmerica, Spokane

List Number: 1

Creator: Arrington, Randee E

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

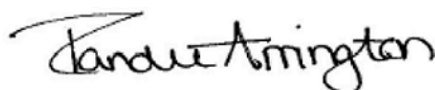
ANALYTICAL REPORT

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

Laboratory Job ID: 590-13901-2
Client Project/Site: Kaiser/7839-045-02

For:
GeoEngineers Inc
523 East Second Ave
Spokane, Washington 99202

Attn: Scott Lathen



Authorized for release by:
10/1/2020 12:27:45 PM

Randee Arrington, Project Manager II
(509)924-9200
Randee.Arrington@Eurofinset.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13901-2

Job ID: 590-13901-2

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt

The samples were received on 9/21/2020 8:45 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.2° C.

Receipt Exceptions

The following samples were activated for 200.8 Cu, Pb , Zn analysis by the client on 09/29/20: Remediation System 1:091820 (590-13901-1), Remediation System 2:091820 (590-13901-2) and Remediation System 3:091820 (590-13901-3).

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13901-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
590-13901-1	Remediation System 1:091820	Water	09/18/20 16:30	09/21/20 08:45	
590-13901-2	Remediation System 2:091820	Water	09/18/20 21:50	09/21/20 08:45	
590-13901-3	Remediation System 3:091820	Water	09/18/20 23:30	09/21/20 08:45	

Definitions/Glossary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13901-2

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13901-2

Client Sample ID: Remediation System 1:091820

Lab Sample ID: 590-13901-1

Date Collected: 09/18/20 16:30

Matrix: Water

Date Received: 09/21/20 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	0.0055		0.0020	0.00060	mg/L		09/30/20 08:52	09/30/20 16:38	1
Lead	0.0010		0.00080	0.00020	mg/L		09/30/20 08:52	09/30/20 16:38	1
Zinc	0.0054	J	0.0070	0.0019	mg/L		09/30/20 08:52	09/30/20 16:38	1

Client Sample ID: Remediation System 2:091820

Lab Sample ID: 590-13901-2

Date Collected: 09/18/20 21:50

Matrix: Water

Date Received: 09/21/20 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	0.010		0.0020	0.00060	mg/L		09/30/20 08:52	09/30/20 16:42	1
Lead	0.0015		0.00080	0.00020	mg/L		09/30/20 08:52	09/30/20 16:42	1
Zinc	0.020		0.0070	0.0019	mg/L		09/30/20 08:52	09/30/20 16:42	1

Client Sample ID: Remediation System 3:091820

Lab Sample ID: 590-13901-3

Date Collected: 09/18/20 23:30

Matrix: Water

Date Received: 09/21/20 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	0.010		0.0020	0.00060	mg/L		09/30/20 08:52	09/30/20 16:46	1
Lead	0.0014		0.00080	0.00020	mg/L		09/30/20 08:52	09/30/20 16:46	1
Zinc	0.029		0.0070	0.0019	mg/L		09/30/20 08:52	09/30/20 16:46	1

QC Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13901-2

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 580-339579/14-A
Matrix: Water
Analysis Batch: 339724

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 339579

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		0.0020	0.00060	mg/L		09/30/20 08:52	09/30/20 15:45	1
Lead	ND		0.00080	0.00020	mg/L		09/30/20 08:52	09/30/20 15:45	1
Zinc	ND		0.0070	0.0019	mg/L		09/30/20 08:52	09/30/20 15:45	1

Lab Sample ID: LCS 580-339579/15-A
Matrix: Water
Analysis Batch: 339724

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 339579

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	1.00	0.981		mg/L		98	85 - 115
Lead	1.00	0.986		mg/L		99	85 - 115
Zinc	1.00	0.978		mg/L		98	85 - 115

Lab Sample ID: LCSD 580-339579/16-A
Matrix: Water
Analysis Batch: 339724

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 339579

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Copper	1.00	1.00		mg/L		100	85 - 115	2	20
Lead	1.00	1.00		mg/L		100	85 - 115	2	20
Zinc	1.00	1.00		mg/L		100	85 - 115	2	20

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13901-2

Client Sample ID: Remediation System 1:091820

Lab Sample ID: 590-13901-1

Date Collected: 09/18/20 16:30

Matrix: Water

Date Received: 09/21/20 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			50 mL	50 mL	339579	09/30/20 08:52	ART	TAL SEA
Total/NA	Analysis	200.8		1	50 mL	50 mL	339724	09/30/20 16:38	FCW	TAL SEA

Client Sample ID: Remediation System 2:091820

Lab Sample ID: 590-13901-2

Date Collected: 09/18/20 21:50

Matrix: Water

Date Received: 09/21/20 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			50 mL	50 mL	339579	09/30/20 08:52	ART	TAL SEA
Total/NA	Analysis	200.8		1	50 mL	50 mL	339724	09/30/20 16:42	FCW	TAL SEA

Client Sample ID: Remediation System 3:091820

Lab Sample ID: 590-13901-3

Date Collected: 09/18/20 23:30

Matrix: Water

Date Received: 09/21/20 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			50 mL	50 mL	339579	09/30/20 08:52	ART	TAL SEA
Total/NA	Analysis	200.8		1	50 mL	50 mL	339724	09/30/20 16:46	FCW	TAL SEA

Laboratory References:

TAL SEA = Eurofins TestAmerica, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13901-2

Laboratory: Eurofins TestAmerica, Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-024	01-14-22
ANAB	Dept. of Defense ELAP	L2236	01-19-22
ANAB	ISO/IEC 17025	L2236	01-19-22
California	State	2901	11-05-20
Montana (UST)	State	NA	04-13-21
Oregon	NELAP	WA100007	11-06-20
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-20-00031	02-10-23
Washington	State	C553	02-18-21

Method Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13901-2

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	TAL SEA
200.8	Preparation, Total Metals	EPA	TAL SEA

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL SEA = Eurofins TestAmerica, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Eurofins TestAmerica, Spokane

11922 East 1st Ave

Spokane, WA 99206

Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

Environment Testing
America

Client Information		Sampler: <i>JML</i>		Lab PM: Arrington, Randee E		Carrier Tracking No(s):		COC No: 590-5893-1774.1																									
Client Contact: Scott Lathen		Phone: <i>406-239-7810</i>		E-Mail: Randee.Arrington@Eurofinset.com				Page: Page 1 of 1																									
Company: GeoEngineers Inc				Analysis Requested																													
Address: 523 East Second Ave		Due Date Requested:		<table border="1"> <tr> <td rowspan="5">Total Number of containers</td> <td>8082A - PCBs - Standard List</td> <td>8270E - SIM - Polycyclic Aromatic Hydrocarbons</td> <td>SM4500 - H+ - pH</td> <td>6010D - Cu, Pb & Zn</td> <td>NWTPH - DX - DRO and RRO</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>						Total Number of containers	8082A - PCBs - Standard List	8270E - SIM - Polycyclic Aromatic Hydrocarbons	SM4500 - H+ - pH	6010D - Cu, Pb & Zn	NWTPH - DX - DRO and RRO																		
Total Number of containers	8082A - PCBs - Standard List	8270E - SIM - Polycyclic Aromatic Hydrocarbons	SM4500 - H+ - pH								6010D - Cu, Pb & Zn	NWTPH - DX - DRO and RRO																					
	City: Spokane		TAT Requested (days): <i>2 day</i>																														
	State, Zip: WA, 99202		PO #: 195999																														
	Phone: 509-251-5239(Tel)		WO #:																														
	Email: slathen@geoengineers.com		Project #: 59001531																														
Project Name: Kaiser/7839-045-02		SSOW#:		Preservation Codes:																													
Site:				<table border="0"> <tr> <td>A - HCL</td> <td>M - Hexane</td> </tr> <tr> <td>B - NaOH</td> <td>N - None</td> </tr> <tr> <td>C - Zn Acetate</td> <td>O - AsNaO2</td> </tr> <tr> <td>D - Nitric Acid</td> <td>P - Na2O4S</td> </tr> <tr> <td>E - NaHSO4</td> <td>Q - Na2SO3</td> </tr> <tr> <td>F - MeOH</td> <td>R - Na2S2O3</td> </tr> <tr> <td>G - Amchlor</td> <td>S - H2SO4</td> </tr> <tr> <td>H - Ascorbic Acid</td> <td>T - TSP Dodecahydrate</td> </tr> <tr> <td>I - Ice</td> <td>U - Acetone</td> </tr> <tr> <td>J - DI Water</td> <td>V - MCAA</td> </tr> <tr> <td>K - EDTA</td> <td>W - pH 4-5</td> </tr> <tr> <td>L - EDA</td> <td>Z - other (specify)</td> </tr> </table>						A - HCL	M - Hexane	B - NaOH	N - None	C - Zn Acetate	O - AsNaO2	D - Nitric Acid	P - Na2O4S	E - NaHSO4	Q - Na2SO3	F - MeOH	R - Na2S2O3	G - Amchlor	S - H2SO4	H - Ascorbic Acid	T - TSP Dodecahydrate	I - Ice	U - Acetone	J - DI Water	V - MCAA	K - EDTA	W - pH 4-5	L - EDA	Z - other (specify)
A - HCL	M - Hexane																																
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K - EDTA	W - pH 4-5																																
L - EDA	Z - other (specify)																																
Other:																																	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, AA=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Special Instructions/Note:																									
Remediation System 1: 091820		9/18/20	1630	G	Water			X	X	X	X	X	pH same day analysis																				
Remediation System 2: 091820		9/18/20	2150	G	Water																												
Remediation System 3: 091920		9/19/20	2330	G	Water																												
091820		9/18/20			Water								labeled as 8/09/20																				
					Water																												
					Water																												
					Water																												



590-13901 Chain of Custody

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:

Date:

Time:

Method of Shipment:

Relinquished by: *Scott Lathen*Date/Time: *9/21/20 845*Company: *GEI*Received by: *Randee Arrington*Date/Time: *9/21/20 0845*Company: *EIA/SP*

Relinquished by:

Date/Time:

Company:

Received by:

Date/Time:

Company:

Relinquished by:

Date/Time:

Company:

Received by:

Date/Time:

Company:

Custody Seals Intact:

☐ Yes ☐ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

5.20C

1. The first step in the process is to identify the problem. This involves gathering information about the situation and the people involved.

2. The second step is to analyze the problem. This involves breaking the problem down into smaller parts and identifying the causes.

3. The third step is to develop a plan. This involves deciding on the best way to solve the problem and setting goals.

4. The fourth step is to implement the plan. This involves putting the plan into action and making changes as needed.

5. The fifth step is to evaluate the results. This involves checking to see if the problem has been solved and if the goals have been met.

6. The sixth step is to reflect on the process. This involves thinking about what worked well and what could be improved.

7. The seventh step is to share the results. This involves telling others about what you have learned and how you solved the problem.

8. The eighth step is to continue to learn. This involves staying up-to-date on new information and techniques.

9. The ninth step is to apply the knowledge. This involves using what you have learned to solve other problems.

10. The tenth step is to become a problem solver. This involves becoming someone who is always looking for ways to improve and solve problems.

[illegible]

Login Sample Receipt Checklist

Client: GeoEngineers Inc

Job Number: 590-13901-2

Login Number: 13901

List Source: Eurofins TestAmerica, Spokane

List Number: 1

Creator: Arrington, Randee E

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: GeoEngineers Inc

Job Number: 590-13901-2

Login Number: 13901

List Number: 2

Creator: Vallelunga, Diana L

List Source: Eurofins TestAmerica, Seattle

List Creation: 09/30/20 10:15 AM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

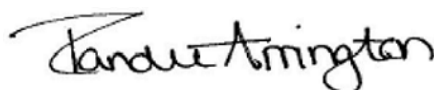
ANALYTICAL REPORT

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

Laboratory Job ID: 590-13903-1
Client Project/Site: Kaiser/7839-045-02

For:
GeoEngineers Inc
523 East Second Ave
Spokane, Washington 99202

Attn: Scott Lathen



Authorized for release by:
9/21/2020 1:33:51 PM

Randee Arrington, Project Manager II
(509)924-9200
Randee.Arrington@Eurofinset.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

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Case Narrative

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13903-1

Job ID: 590-13903-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt

The sample was received on 9/21/2020 12:10 PM; the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 12.8° C.

Receipt Exceptions

The following sample was received at the laboratory outside the required temperature criteria: Upper Pond:092120 (590-13903-1). The sample is considered acceptable since it was collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13903-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
590-13903-1	Upper Pond:092120	Water	09/21/20 11:20	09/21/20 12:10	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12

Definitions/Glossary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13903-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13903-1

Client Sample ID: Upper Pond:092120

Lab Sample ID: 590-13903-1

Date Collected: 09/21/20 11:20

Matrix: Water

Date Received: 09/21/20 12:10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.0		0.1	0.1	SU			09/21/20 12:30	1

QC Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13903-1

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 590-29033/1
Matrix: Water
Analysis Batch: 29033

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.0		SU		100	98.6 - 101. 4

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13903-1

Client Sample ID: Upper Pond:092120
Date Collected: 09/21/20 11:20
Date Received: 09/21/20 12:10

Lab Sample ID: 590-13903-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 H+ B		1			29033	09/21/20 12:30	AMB	TAL SPK

Laboratory References:
TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13903-1

Laboratory: Eurofins TestAmerica, Spokane

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-21

1
2
3
4
5
6
7
8
9
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11
12

Method Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13903-1

Method	Method Description	Protocol	Laboratory
SM 4500 H+ B	pH	SM	TAL SPK

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

11922 E. 1st Ave.

Spokane, WA 99206
Phone: 509.924.9200 Fax:

Chain of Custody Record

013852

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:[illegible]

Login Sample Receipt Checklist

Client: GeoEngineers Inc

Job Number: 590-13903-1

Login Number: 13903

List Source: Eurofins TestAmerica, Spokane

List Number: 1

Creator: Arrington, Randee E

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

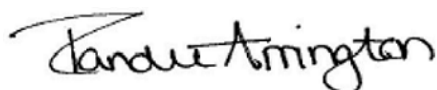
ANALYTICAL REPORT

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

Laboratory Job ID: 590-13911-1
Client Project/Site: Kaiser/7839-045-02

For:
GeoEngineers Inc
523 East Second Ave
Spokane, Washington 99202

Attn: Scott Lathen



Authorized for release by:
9/24/2020 3:41:18 PM

Randee Arrington, Project Manager II
(509)924-9200
Randee.Arrington@Eurofinset.com

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Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13911-1

Job ID: 590-13911-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt

The samples were received on 9/22/2020 2:27 PM; the samples arrived in good condition. The temperature of the cooler at receipt was 16.0° C.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13911-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
590-13911-1	Upper Pond - 92220	Water	09/22/20 13:35	09/22/20 14:27	
590-13911-2	Vault - 092220	Water	09/22/20 13:45	09/22/20 14:27	

Definitions/Glossary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13911-1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13911-1

Client Sample ID: Upper Pond - 92220

Lab Sample ID: 590-13911-1

Date Collected: 09/22/20 13:35

Matrix: Water

Date Received: 09/22/20 14:27

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.085	J	0.10	0.0090	mg/L		09/23/20 09:18	09/23/20 16:51	1

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.076	J	0.10	0.0090	mg/L		09/23/20 09:20	09/23/20 17:38	1

Client Sample ID: Vault - 092220

Lab Sample ID: 590-13911-2

Date Collected: 09/22/20 13:45

Matrix: Water

Date Received: 09/22/20 14:27

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	1.4		0.10	0.0090	mg/L		09/23/20 09:18	09/23/20 17:11	1

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.88		0.10	0.0090	mg/L		09/23/20 09:20	09/23/20 17:57	1

QC Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13911-1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 590-29065/2-A
Matrix: Water
Analysis Batch: 29091

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 29065

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.10	0.0090	mg/L		09/23/20 09:17	09/23/20 16:47	1

Lab Sample ID: LCS 590-29065/1-A
Matrix: Water
Analysis Batch: 29091

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 29065

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	1.00	1.13		mg/L		113	80 - 120

Lab Sample ID: 590-13911-1 MS
Matrix: Water
Analysis Batch: 29091

Client Sample ID: Upper Pond - 92220
Prep Type: Total Recoverable
Prep Batch: 29065

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	0.085	J	1.00	1.18		mg/L		109	75 - 125

Lab Sample ID: 590-13911-1 MSD
Matrix: Water
Analysis Batch: 29091

Client Sample ID: Upper Pond - 92220
Prep Type: Total Recoverable
Prep Batch: 29065

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Zinc	0.085	J	1.00	1.22		mg/L		114	75 - 125	3	20

Lab Sample ID: 590-13911-1 DU
Matrix: Water
Analysis Batch: 29091

Client Sample ID: Upper Pond - 92220
Prep Type: Total Recoverable
Prep Batch: 29065

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Zinc	0.085	J	0.0858	J	mg/L		0.7	20

Lab Sample ID: MB 590-29064/1-B
Matrix: Water
Analysis Batch: 29091

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 29066

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.10	0.0090	mg/L		09/23/20 09:20	09/23/20 17:34	1

Lab Sample ID: LCS 590-29064/2-B
Matrix: Water
Analysis Batch: 29091

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 29066

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	1.00	1.14		mg/L		114	80 - 120

Lab Sample ID: 590-13911-1 MS
Matrix: Water
Analysis Batch: 29091

Client Sample ID: Upper Pond - 92220
Prep Type: Dissolved
Prep Batch: 29066

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	0.076	J	1.00	1.10		mg/L		103	75 - 125

Eurofins TestAmerica, Spokane

QC Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13911-1

Method: 6010D - Metals (ICP)

Lab Sample ID: 590-13911-1 MSD

Matrix: Water

Analysis Batch: 29091

Client Sample ID: Upper Pond - 92220

Prep Type: Dissolved

Prep Batch: 29066

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Zinc	0.076	J	1.00	1.18		mg/L		110	75 - 125	7	20

Lab Sample ID: 590-13911-1 DU

Matrix: Water

Analysis Batch: 29091

Client Sample ID: Upper Pond - 92220

Prep Type: Dissolved

Prep Batch: 29066

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Zinc	0.076	J	0.0783	J	mg/L		3	20

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13911-1

Client Sample ID: Upper Pond - 92220

Lab Sample ID: 590-13911-1

Date Collected: 09/22/20 13:35

Matrix: Water

Date Received: 09/22/20 14:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			250 mL	250 mL	29064	09/23/20 09:16	AMB	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	29066	09/23/20 09:20	AMB	TAL SPK
Dissolved	Analysis	6010D		1			29091	09/23/20 17:38	AMB	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	29065	09/23/20 09:18	AMB	TAL SPK
Total Recoverable	Analysis	6010D		1			29091	09/23/20 16:51	AMB	TAL SPK

Client Sample ID: Vault - 092220

Lab Sample ID: 590-13911-2

Date Collected: 09/22/20 13:45

Matrix: Water

Date Received: 09/22/20 14:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			250 mL	250 mL	29064	09/23/20 09:16	AMB	TAL SPK
Dissolved	Prep	3005A			50 mL	50 mL	29066	09/23/20 09:20	AMB	TAL SPK
Dissolved	Analysis	6010D		1			29091	09/23/20 17:57	AMB	TAL SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	29065	09/23/20 09:18	AMB	TAL SPK
Total Recoverable	Analysis	6010D		1			29091	09/23/20 17:11	AMB	TAL SPK

Laboratory References:

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13911-1

Laboratory: Eurofins TestAmerica, Spokane

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-21

1
2
3
4
5
6
7
8
9
10
11
12

Method Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13911-1

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	TAL SPK
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL SPK
FILTRATION	Sample Filtration	None	TAL SPK

Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

11922 E. 1st Ave.

Spokane, WA 99206

Phone: 509.924.9200 Fax:

Chain of Custody Record

013931

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

TAL-8210 (0713)

9/24/2020

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:[illegible]

Login Sample Receipt Checklist

Client: GeoEngineers Inc

Job Number: 590-13911-1

Login Number: 13911

List Number: 1

Creator: O'Toole, Maria C

List Source: Eurofins TestAmerica, Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Not present
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

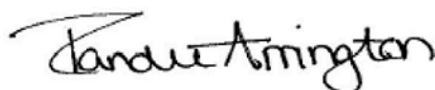
ANALYTICAL REPORT

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

Laboratory Job ID: 590-13946-1
Client Project/Site: Kaiser/7839-045-02

For:
GeoEngineers Inc
523 East Second Ave
Spokane, Washington 99202

Attn: Scott Lathen



Authorized for release by:
10/2/2020 8:25:59 AM

Randee Arrington, Project Manager II
(509)924-9200
Randee.Arrington@Eurofinset.com

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Case Narrative

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13946-1

Job ID: 590-13946-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt

The samples were received on 9/29/2020 3:10 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 20.6° C.

Receipt Exceptions

The following samples were received at the laboratory outside the required temperature criteria: Vault - 092920 (590-13946-1) and Upper Pond - 092920 (590-13946-2). The samplea are considered acceptable since they were collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13946-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
590-13946-1	Vault - 092920	Water	09/29/20 14:05	09/29/20 15:10	
590-13946-2	Upper Pond - 092920	Water	09/29/20 14:15	09/29/20 15:10	

Definitions/Glossary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13946-1

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13946-1

Client Sample ID: Vault - 092920

Lab Sample ID: 590-13946-1

Date Collected: 09/29/20 14:05

Matrix: Water

Date Received: 09/29/20 15:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	1.2		0.0070	0.0019	mg/L		09/30/20 08:52	09/30/20 16:31	1

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.16	B	0.0070	0.0019	mg/L		10/01/20 08:49	10/01/20 16:00	1

Client Sample ID: Upper Pond - 092920

Lab Sample ID: 590-13946-2

Date Collected: 09/29/20 14:15

Matrix: Water

Date Received: 09/29/20 15:10

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.10		0.0070	0.0019	mg/L		09/30/20 08:52	09/30/20 16:34	1

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.088	B	0.0070	0.0019	mg/L		10/01/20 08:49	10/01/20 15:56	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.0	HF	0.1	0.1	SU			09/30/20 09:52	1

QC Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13946-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 580-339579/14-A
Matrix: Water
Analysis Batch: 339724

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 339579

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.0070	0.0019	mg/L		09/30/20 08:52	09/30/20 15:45	1

Lab Sample ID: LCS 580-339579/15-A
Matrix: Water
Analysis Batch: 339724

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 339579

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	1.00	0.978		mg/L		98	85 - 115

Lab Sample ID: LCSD 580-339579/16-A
Matrix: Water
Analysis Batch: 339724

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 339579

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Zinc	1.00	1.00		mg/L		100	85 - 115	2	20

Lab Sample ID: MB 580-339600/3-B
Matrix: Water
Analysis Batch: 339834

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 339728

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.00207	J	0.0070	0.0019	mg/L		10/01/20 08:49	10/01/20 15:52	1

Lab Sample ID: LCS 580-339600/4-B
Matrix: Water
Analysis Batch: 339834

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 339728

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	1.00	1.00		mg/L		100	85 - 115

Lab Sample ID: LCSD 580-339600/5-B
Matrix: Water
Analysis Batch: 339834

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 339728

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Zinc	1.00	0.990		mg/L		99	85 - 115	1	20

Lab Sample ID: 590-13946-1 MS
Matrix: Water
Analysis Batch: 339834

Client Sample ID: Vault - 092920
Prep Type: Dissolved
Prep Batch: 339728

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	0.16	B	1.00	1.16		mg/L		100	70 - 130

Lab Sample ID: 590-13946-1 MSD
Matrix: Water
Analysis Batch: 339834

Client Sample ID: Vault - 092920
Prep Type: Dissolved
Prep Batch: 339728

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Zinc	0.16	B	1.00	1.20		mg/L		104	70 - 130	3	20

Eurofins TestAmerica, Spokane

QC Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13946-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: 590-13946-1 DU
Matrix: Water
Analysis Batch: 339834

Client Sample ID: Vault - 092920
Prep Type: Dissolved
Prep Batch: 339728

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Zinc	0.16	B	0.155		mg/L		5	20

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 590-29154/1
Matrix: Water
Analysis Batch: 29154

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.1		SU		101	98.6 - 101.4

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13946-1

Client Sample ID: Vault - 092920

Lab Sample ID: 590-13946-1

Date Collected: 09/29/20 14:05

Matrix: Water

Date Received: 09/29/20 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			250 mL	250 mL	339600	09/30/20 10:20	ART	TAL SEA
Dissolved	Prep	200.8			50 mL	50 mL	339728	10/01/20 08:49	TMH	TAL SEA
Dissolved	Analysis	200.8		1	50 mL	50 mL	339834	10/01/20 16:00	FCW	TAL SEA
Total/NA	Prep	200.8			50 mL	50 mL	339579	09/30/20 08:52	ART	TAL SEA
Total/NA	Analysis	200.8		1	50 mL	50 mL	339724	09/30/20 16:31	FCW	TAL SEA

Client Sample ID: Upper Pond - 092920

Lab Sample ID: 590-13946-2

Date Collected: 09/29/20 14:15

Matrix: Water

Date Received: 09/29/20 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			250 mL	250 mL	339600	09/30/20 10:20	ART	TAL SEA
Dissolved	Prep	200.8			50 mL	50 mL	339728	10/01/20 08:49	TMH	TAL SEA
Dissolved	Analysis	200.8		1	50 mL	50 mL	339834	10/01/20 15:56	FCW	TAL SEA
Total/NA	Prep	200.8			50 mL	50 mL	339579	09/30/20 08:52	ART	TAL SEA
Total/NA	Analysis	200.8		1	50 mL	50 mL	339724	09/30/20 16:34	FCW	TAL SEA
Total/NA	Analysis	SM 4500 H+ B		1			29154	09/30/20 09:52	AMB	TAL SPK

Laboratory References:

TAL SEA = Eurofins TestAmerica, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13946-1

Laboratory: Eurofins TestAmerica, Spokane

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-21

Laboratory: Eurofins TestAmerica, Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-024	01-14-22
ANAB	Dept. of Defense ELAP	L2236	01-19-22
ANAB	ISO/IEC 17025	L2236	01-19-22
California	State	2901	11-05-20
Montana (UST)	State	NA	04-13-21
Oregon	NELAP	WA100007	11-06-20
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-20-00031	02-10-23
Washington	State	C553	02-18-21

Method Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13946-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	TAL SEA
SM 4500 H+ B	pH	SM	TAL SPK
200.8	Preparation, Total Metals	EPA	TAL SEA
FILTRATION	Sample Filtration	None	TAL SEA

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

TAL SEA = Eurofins TestAmerica, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

11922 E. 1st Ave.

Spokane, WA 99206
Phone: 509.924.9200 Fax:

Chain of Custody Record

013902

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other: _____[illegible]

[illegible]

Ver: 01/16/2019 10/2/2020

Login Sample Receipt Checklist

Client: GeoEngineers Inc

Job Number: 590-13946-1

Login Number: 13946

List Number: 1

Creator: O'Toole, Maria C

List Source: Eurofins TestAmerica, Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	N/A	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: GeoEngineers Inc

Job Number: 590-13946-1

Login Number: 13946

List Number: 2

Creator: Vallelunga, Diana L

List Source: Eurofins TestAmerica, Seattle

List Creation: 09/30/20 10:15 AM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	False	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

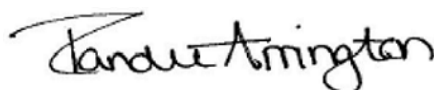
ANALYTICAL REPORT

Eurofins TestAmerica, Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

Laboratory Job ID: 590-13954-1
Client Project/Site: Kaiser/7839-045-02

For:
GeoEngineers Inc
523 East Second Ave
Spokane, Washington 99202

Attn: Scott Lathen



Authorized for release by:
10/7/2020 3:40:10 PM

Randee Arrington, Project Manager II
(509)924-9200
Randee.Arrington@Eurofinset.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Case Narrative

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13954-1

Job ID: 590-13954-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt

The sample was received on 9/30/2020 1:50 PM; the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 15.1° C.

Receipt Exceptions

The following sample was received at the laboratory outside the required temperature criteria: Upper Pond-093020 (590-13954-1). The sample is considered acceptable since it was collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

GC/MS Semi VOA

Method 625.1: The following sample was diluted due to the nature of the sample matrix: Upper Pond-093020 (590-13954-1). Elevated reporting limits (RLs) are provided.

Method 625.1: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 580-340048 and analytical batch 580-340009 recovered outside control limits for the following analytes: Naphthalene, Acenaphthene, Acenaphthylene, 1-Methylnaphthalene and 2-Methylnaphthalene.

Method 625.1: The following analytes recovered outside control limits for the LCSD associated with preparation batch 580-340048 and analytical batch 580-340009: 1-Methylnaphthalene. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method NWTPH-Dx: Detected hydrocarbons appear to be due to heavily weathered diesel and/or biogenic interference in the following sample: Upper Pond-093020 (590-13954-1).

Method 608.3: The continuing calibration verification (CCV) associated with batch 580-340060 recovered above the upper control limit for PCB-1262. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: Upper Pond-093020 (590-13954-1) and (CCV 580-340060/4).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with this batch. LCS/LCSD were used instead.

Method CWA_Prep: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 580-340048, so LCS and LCSD were used instead.

Method CWA_Prep: The following sample formed emulsions during the extraction procedure: Upper Pond-093020 (590-13954-1). The emulsions were broken up using sodium sulfate and rinsed with solvent.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13954-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
590-13954-1	Upper Pond-093020	Water	09/30/20 12:30	09/30/20 13:50	

Definitions/Glossary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13954-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13954-1

Client Sample ID: Upper Pond-093020

Lab Sample ID: 590-13954-1

Date Collected: 09/30/20 12:30

Matrix: Water

Date Received: 09/30/20 13:50

Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND	*1	2.1	0.80	ug/L		10/05/20 12:18	10/05/20 17:08	5
2-Methylnaphthalene	ND	*1	2.1	0.15	ug/L		10/05/20 12:18	10/05/20 17:08	5
1-Methylnaphthalene	ND	* *1	5.1	0.26	ug/L		10/05/20 12:18	10/05/20 17:08	5
Acenaphthylene	ND	*1	5.1	0.31	ug/L		10/05/20 12:18	10/05/20 17:08	5
Acenaphthene	ND	*1	2.1	0.26	ug/L		10/05/20 12:18	10/05/20 17:08	5
Fluorene	ND		10	0.26	ug/L		10/05/20 12:18	10/05/20 17:08	5
Phenanthrene	ND		5.1	0.15	ug/L		10/05/20 12:18	10/05/20 17:08	5
Anthracene	ND		77	0.26	ug/L		10/05/20 12:18	10/05/20 17:08	5
Fluoranthene	ND		15	0.31	ug/L		10/05/20 12:18	10/05/20 17:08	5
Pyrene	ND		10	0.21	ug/L		10/05/20 12:18	10/05/20 17:08	5
Benzo[a]anthracene	ND		5.1	0.26	ug/L		10/05/20 12:18	10/05/20 17:08	5
Chrysene	ND		3.1	0.21	ug/L		10/05/20 12:18	10/05/20 17:08	5
Benzo[fluoranthene]	ND		5.1	0.26	ug/L		10/05/20 12:18	10/05/20 17:08	5
Benzo[a]pyrene	ND		5.1	0.21	ug/L		10/05/20 12:18	10/05/20 17:08	5
Indeno[1,2,3-cd]pyrene	ND		5.1	0.67	ug/L		10/05/20 12:18	10/05/20 17:08	5
Dibenz(a,h)anthracene	ND		3.1	0.36	ug/L		10/05/20 12:18	10/05/20 17:08	5
Benzo[g,h,i]perylene	ND		5.1	0.21	ug/L		10/05/20 12:18	10/05/20 17:08	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	85		59 - 123	10/05/20 12:18	10/05/20 17:08	5
2-Fluorobiphenyl	101		56 - 124	10/05/20 12:18	10/05/20 17:08	5
Terphenyl-d14	113		60 - 135	10/05/20 12:18	10/05/20 17:08	5

Method: 608.3 - Organochlorine Pesticides/PCBs in Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		0.47	0.063	ug/L		10/02/20 14:40	10/05/20 15:53	1
Aroclor 1221	ND		0.47	0.078	ug/L		10/02/20 14:40	10/05/20 15:53	1
Aroclor 1232	ND		0.47	0.065	ug/L		10/02/20 14:40	10/05/20 15:53	1
Aroclor 1242	ND		0.47	0.061	ug/L		10/02/20 14:40	10/05/20 15:53	1
Aroclor 1248	ND		0.47	0.054	ug/L		10/02/20 14:40	10/05/20 15:53	1
Aroclor 1254	ND		0.47	0.078	ug/L		10/02/20 14:40	10/05/20 15:53	1
Aroclor 1260	ND		0.47	0.063	ug/L		10/02/20 14:40	10/05/20 15:53	1
PCB-1268	0.77		0.47	0.061	ug/L		10/02/20 14:40	10/05/20 15:53	1
PCB-1262	ND		0.47	0.065	ug/L		10/02/20 14:40	10/05/20 15:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	44		44 - 123	10/02/20 14:40	10/05/20 15:53	1
DCB Decachlorobiphenyl	70		37 - 156	10/02/20 14:40	10/05/20 15:53	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	0.37		0.24	0.11	mg/L		10/01/20 14:03	10/02/20 00:04	1
Residual Range Organics (RRO) (C25-C36)	0.24	J	0.40	0.12	mg/L		10/01/20 14:03	10/02/20 00:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	88		50 - 150	10/01/20 14:03	10/02/20 00:04	1
n-Triacontane-d62	89		50 - 150	10/01/20 14:03	10/02/20 00:04	1

Eurofins TestAmerica, Spokane

Client Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13954-1

Client Sample ID: Upper Pond-093020

Lab Sample ID: 590-13954-1

Date Collected: 09/30/20 12:30

Matrix: Water

Date Received: 09/30/20 13:50

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	0.032		0.0020	0.00060	mg/L		10/03/20 12:21	10/05/20 21:13	1
Lead	0.00079	J	0.00080	0.00020	mg/L		10/03/20 12:21	10/05/20 21:13	1
Zinc	0.095		0.0070	0.0019	mg/L		10/03/20 12:21	10/05/20 21:13	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.0	HF	0.1	0.1	SU			10/07/20 12:50	1

QC Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13954-1

Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-340048/1-A

Matrix: Water

Analysis Batch: 340009

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 340048

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.40	0.16	ug/L		10/05/20 12:18	10/05/20 15:35	1
2-Methylnaphthalene	ND		0.40	0.030	ug/L		10/05/20 12:18	10/05/20 15:35	1
1-Methylnaphthalene	ND		1.0	0.050	ug/L		10/05/20 12:18	10/05/20 15:35	1
Acenaphthylene	ND		1.0	0.060	ug/L		10/05/20 12:18	10/05/20 15:35	1
Acenaphthene	ND		0.40	0.050	ug/L		10/05/20 12:18	10/05/20 15:35	1
Fluorene	ND		2.0	0.050	ug/L		10/05/20 12:18	10/05/20 15:35	1
Phenanthrene	ND		1.0	0.030	ug/L		10/05/20 12:18	10/05/20 15:35	1
Anthracene	ND		15	0.050	ug/L		10/05/20 12:18	10/05/20 15:35	1
Fluoranthene	ND		3.0	0.060	ug/L		10/05/20 12:18	10/05/20 15:35	1
Pyrene	ND		2.0	0.040	ug/L		10/05/20 12:18	10/05/20 15:35	1
Benzo[a]anthracene	ND		1.0	0.050	ug/L		10/05/20 12:18	10/05/20 15:35	1
Chrysene	ND		0.60	0.040	ug/L		10/05/20 12:18	10/05/20 15:35	1
Benzofluoranthene	ND		1.0	0.050	ug/L		10/05/20 12:18	10/05/20 15:35	1
Benzo[a]pyrene	ND		1.0	0.040	ug/L		10/05/20 12:18	10/05/20 15:35	1
Indeno[1,2,3-cd]pyrene	ND		1.0	0.13	ug/L		10/05/20 12:18	10/05/20 15:35	1
Dibenz(a,h)anthracene	ND		0.60	0.070	ug/L		10/05/20 12:18	10/05/20 15:35	1
Benzo[g,h,i]perylene	ND		1.0	0.040	ug/L		10/05/20 12:18	10/05/20 15:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	90		59 - 123	10/05/20 12:18	10/05/20 15:35	1
2-Fluorobiphenyl	102		56 - 124	10/05/20 12:18	10/05/20 15:35	1
Terphenyl-d14	133		60 - 135	10/05/20 12:18	10/05/20 15:35	1

Lab Sample ID: LCS 580-340048/2-A

Matrix: Water

Analysis Batch: 340009

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 340048

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	2.00	1.43		ug/L		72	36 - 120
2-Methylnaphthalene	2.00	1.55		ug/L		77	56 - 120
1-Methylnaphthalene	2.00	1.40		ug/L		70	65 - 120
Acenaphthylene	2.00	1.65		ug/L		82	54 - 126
Acenaphthene	2.00	1.68		ug/L		84	60 - 132
Fluorene	2.00	1.88	J	ug/L		94	70 - 120
Phenanthrene	2.00	1.92		ug/L		96	65 - 120
Anthracene	2.00	1.97	J	ug/L		99	43 - 120
Fluoranthene	2.00	2.07	J	ug/L		104	43 - 121
Pyrene	2.00	2.02		ug/L		101	70 - 120
Benzo[a]anthracene	2.00	2.04		ug/L		102	42 - 133
Chrysene	2.00	1.97		ug/L		99	44 - 140
Benzofluoranthene	4.00	4.26		ug/L		106	73 - 125
Benzo[a]pyrene	2.00	2.10		ug/L		105	32 - 148
Indeno[1,2,3-cd]pyrene	2.00	1.79		ug/L		89	1 - 151
Dibenz(a,h)anthracene	2.00	1.99		ug/L		100	1 - 200
Benzo[g,h,i]perylene	2.00	1.96		ug/L		98	1 - 195

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	89		59 - 123

Eurofins TestAmerica, Spokane

QC Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13954-1

Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 580-340048/2-A

Matrix: Water

Analysis Batch: 340009

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 340048

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl	87		56 - 124
Terphenyl-d14	110		60 - 135

Lab Sample ID: LCSD 580-340048/3-A

Matrix: Water

Analysis Batch: 340009

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 340048

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naphthalene	2.00	1.15	*1	ug/L		57	36 - 120	22	20
2-Methylnaphthalene	2.00	1.18	*1	ug/L		59	56 - 120	27	20
1-Methylnaphthalene	2.00	1.07	* *1	ug/L		54	65 - 120	27	20
Acenaphthylene	2.00	1.33	*1	ug/L		67	54 - 126	21	20
Acenaphthene	2.00	1.33	*1	ug/L		66	60 - 132	23	20
Fluorene	2.00	1.58	J	ug/L		79	70 - 120	18	20
Phenanthrene	2.00	1.81		ug/L		90	65 - 120	6	20
Anthracene	2.00	1.94	J	ug/L		97	43 - 120	2	26
Fluoranthene	2.00	2.03	J	ug/L		102	43 - 121	2	20
Pyrene	2.00	1.98	J	ug/L		99	70 - 120	2	20
Benzo[a]anthracene	2.00	1.75		ug/L		88	42 - 133	15	20
Chrysene	2.00	1.87		ug/L		94	44 - 140	5	20
Benzo[fluoranthene]	4.00	4.05		ug/L		101	73 - 125	5	20
Benzo[a]pyrene	2.00	1.97		ug/L		99	32 - 148	6	35
Indeno[1,2,3-cd]pyrene	2.00	1.74		ug/L		87	1 - 151	2	20
Dibenz[a,h]anthracene	2.00	1.99		ug/L		100	1 - 200	0	20
Benzo[g,h,i]perylene	2.00	1.83		ug/L		91	1 - 195	7	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	88		59 - 123
2-Fluorobiphenyl	71		56 - 124
Terphenyl-d14	110		60 - 135

Method: 608.3 - Organochlorine Pesticides/PCBs in Water

Lab Sample ID: MB 580-339889/1-A

Matrix: Water

Analysis Batch: 340060

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 339889

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		0.45	0.061	ug/L		10/02/20 14:40	10/05/20 14:24	1
Aroclor 1221	ND		0.45	0.075	ug/L		10/02/20 14:40	10/05/20 14:24	1
Aroclor 1232	ND		0.45	0.063	ug/L		10/02/20 14:40	10/05/20 14:24	1
Aroclor 1242	ND		0.45	0.059	ug/L		10/02/20 14:40	10/05/20 14:24	1
Aroclor 1248	ND		0.45	0.052	ug/L		10/02/20 14:40	10/05/20 14:24	1
Aroclor 1254	ND		0.45	0.075	ug/L		10/02/20 14:40	10/05/20 14:24	1
Aroclor 1260	ND		0.45	0.061	ug/L		10/02/20 14:40	10/05/20 14:24	1
PCB-1268	ND		0.45	0.059	ug/L		10/02/20 14:40	10/05/20 14:24	1
PCB-1262	ND		0.45	0.063	ug/L		10/02/20 14:40	10/05/20 14:24	1

Eurofins TestAmerica, Spokane

QC Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13954-1

Method: 608.3 - Organochlorine Pesticides/PCBs in Water (Continued)

Lab Sample ID: MB 580-339889/1-A

Matrix: Water

Analysis Batch: 340060

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 339889

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	52		44 - 123	10/02/20 14:40	10/05/20 14:24	1
DCB Decachlorobiphenyl	57		37 - 156	10/02/20 14:40	10/05/20 14:24	1

Lab Sample ID: LCS 580-339889/2-A

Matrix: Water

Analysis Batch: 340060

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 339889

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	1.00	0.607		ug/L		61	50 - 140
Aroclor 1260	1.00	0.743		ug/L		74	8 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	48		44 - 123
DCB Decachlorobiphenyl	64		37 - 156

Lab Sample ID: LCSD 580-339889/3-A

Matrix: Water

Analysis Batch: 340060

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 339889

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	1.00	0.625		ug/L		62	50 - 140	3	36
Aroclor 1260	1.00	0.720		ug/L		72	8 - 140	3	38

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene	49		44 - 123
DCB Decachlorobiphenyl	64		37 - 156

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-29179/1-A

Matrix: Water

Analysis Batch: 29178

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29179

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.24	0.11	mg/L		10/01/20 14:03	10/01/20 15:44	1
Residual Range Organics (RRO) (C25-C36)	ND		0.40	0.12	mg/L		10/01/20 14:03	10/01/20 15:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150	10/01/20 14:03	10/01/20 15:44	1
n-Triacontane-d62	91		50 - 150	10/01/20 14:03	10/01/20 15:44	1

Eurofins TestAmerica, Spokane

QC Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13954-1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCS 590-29179/2-A

Matrix: Water

Analysis Batch: 29178

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29179

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec.		
			Added	Result	Qualifier			Limits			
Diesel Range Organics (DRO) (C10-C25)			1.60	1.36		mg/L		85	50 - 150		
Residual Range Organics (RRO) (C25-C36)			1.60	1.45		mg/L		91	50 - 150		
Surrogate	LCS	LCS									
	%Recovery	Qualifier	Limits								
o-Terphenyl	100		50 - 150								
n-Triacontane-d62	96		50 - 150								

Lab Sample ID: LCSD 590-29179/3-A

Matrix: Water

Analysis Batch: 29178

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 29179

Rep Data: 25-11-20											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)			1.60	1.27		mg/L		79	50 - 150	7	25
Residual Range Organics (RRO) (C25-C36)			1.60	1.30		mg/L		81	50 - 150	11	25
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
o-Terphenyl	94		50 - 150								
n-Triacontane-d62	87		50 - 150								

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 580-339926/14-A

Matrix: Water

Analysis Batch: 340094

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 339926

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		0.0020	0.00060	mg/L		10/03/20 12:21	10/05/20 21:09	1
Lead	ND		0.00080	0.00020	mg/L		10/03/20 12:21	10/05/20 21:09	1
Zinc	ND		0.0070	0.0019	mg/L		10/03/20 12:21	10/05/20 21:09	1

Lab Sample ID: LCS 580-339926/15-A

Matrix: Water

Analysis Batch: 340094

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 339926

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	1.00	0.982		mg/L		98	85 - 115
Lead	1.00	0.946		mg/L		95	85 - 115
Zinc	1.00	0.977		mg/L		98	85 - 115

Lab Sample ID: LCSD 580-339926/16-A

Matrix: Water

Analysis Batch: 340094

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 339926

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Copper	1.00	0.985		mg/L		99	85 - 115	0	20
Lead	1.00	0.947		mg/L		95	85 - 115	0	20

Eurofins TestAmerica, Spokane

QC Sample Results

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13954-1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 580-339926/16-A

Matrix: Water

Analysis Batch: 340094

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 339926

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Zinc	1.00	0.981		mg/L		98	85 - 115	0	20

Lab Sample ID: 590-13954-1 MS

Matrix: Water

Analysis Batch: 340094

Client Sample ID: Upper Pond-093020

Prep Type: Total/NA

Prep Batch: 339926

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Copper	0.032		1.00	1.02		mg/L		99	70 - 130		
Lead	0.00079	J	1.00	0.937		mg/L		94	70 - 130		
Zinc	0.095		1.00	1.11		mg/L		102	70 - 130		

Lab Sample ID: 590-13954-1 MSD

Matrix: Water

Analysis Batch: 340094

Client Sample ID: Upper Pond-093020

Prep Type: Total/NA

Prep Batch: 339926

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Copper	0.032		1.00	0.979		mg/L		95	70 - 130	4	20
Lead	0.00079	J	1.00	0.910		mg/L		91	70 - 130	3	20
Zinc	0.095		1.00	1.09		mg/L		99	70 - 130	2	20

Lab Sample ID: 590-13954-1 DU

Matrix: Water

Analysis Batch: 340094

Client Sample ID: Upper Pond-093020

Prep Type: Total/NA

Prep Batch: 339926

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Copper	0.032		0.0324		mg/L				0.5	20
Lead	0.00079	J	0.000767	J	mg/L				2	20
Zinc	0.095		0.0945		mg/L				0.9	20

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 590-29218/1

Matrix: Water

Analysis Batch: 29218

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
pH	7.00	7.1		SU		101	98.6 - 101.4		

Lab Sample ID: 590-13954-1 DU

Matrix: Water

Analysis Batch: 29218

Client Sample ID: Upper Pond-093020

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
pH	7.0	HF	7.0		SU				0.3	10

Lab Chronicle

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13954-1

Client Sample ID: Upper Pond-093020

Lab Sample ID: 590-13954-1

Date Collected: 09/30/20 12:30

Matrix: Water

Date Received: 09/30/20 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	CWA_Prep			973.7 mL	2.0 mL	340048	10/05/20 12:18	RJL	TAL SEA
Total/NA	Analysis	625.1		5			340009	10/05/20 17:08	TL1	TAL SEA
Total/NA	Prep	3510C			240.5 mL	2.5 mL	339889	10/02/20 14:40	JBT	TAL SEA
Total/NA	Analysis	608.3		1			340060	10/05/20 15:53	T1W	TAL SEA
Total/NA	Prep	3510C			251.6 mL	2 mL	29179	10/01/20 14:03	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			29178	10/02/20 00:04	NMI	TAL SPK
Total/NA	Prep	200.8			50 mL	50 mL	339926	10/03/20 12:21	JCP	TAL SEA
Total/NA	Analysis	200.8		1	50 mL	50 mL	340094	10/05/20 21:13	FCW	TAL SEA
Total/NA	Analysis	SM 4500 H+ B		1			29218	10/07/20 12:50	AMB	TAL SPK

Laboratory References:

TAL SEA = Eurofins TestAmerica, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13954-1

Laboratory: Eurofins TestAmerica, Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
NWTPH-Dx	3510C	Water	Residual Range Organics (RRO) (C25-C36)

Laboratory: Eurofins TestAmerica, Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-024	01-14-22
ANAB	Dept. of Defense ELAP	L2236	01-19-22
ANAB	ISO/IEC 17025	L2236	01-19-22
California	State	2901	11-05-20
Montana (UST)	State	NA	04-13-21
Oregon	NELAP	WA100007	11-06-20
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-20-00031	02-10-23
Washington	State	C553	02-18-21

Method Summary

Client: GeoEngineers Inc
Project/Site: Kaiser/7839-045-02

Job ID: 590-13954-1

Method	Method Description	Protocol	Laboratory
625.1	Semivolatile Organic Compounds (GC/MS)	40CFR136A	TAL SEA
608.3	Organochlorine Pesticides/PCBs in Water	40CFR136A	TAL SEA
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL SPK
200.8	Metals (ICP/MS)	EPA	TAL SEA
SM 4500 H+ B	pH	SM	TAL SPK
200.8	Preparation, Total Metals	EPA	TAL SEA
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL SEA
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL SPK
CWA_Prep	Liquid-Liquid Extraction (Separatory Funnel)	40CFR136A	TAL SEA

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SEA = Eurofins TestAmerica, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

TAL SPK = Eurofins TestAmerica, Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

11922 E. 1st Ave.

Chain of Custody Record

Spokane, WA 99206

Phone: 509.924.9200 Fax:

013905

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:[illegible]

[illegible]

Environment Testing
America

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Login Sample Receipt Checklist

Client: GeoEngineers Inc

Job Number: 590-13954-1

Login Number: 13954

List Number: 1

Creator: O'Toole, Maria C

List Source: Eurofins TestAmerica, Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	N/A	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Not present
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: GeoEngineers Inc

Job Number: 590-13954-1

Login Number: 13954

List Number: 2

Creator: Vallelunga, Diana L

List Source: Eurofins TestAmerica, Seattle

List Creation: 10/01/20 03:57 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX C

Disposal Weight Tickets

Mead Phase I - Weight Tickets

Location	Date	Time	Ticket #	Tons
Upper Pond	27-Aug	1111	620694	13.89
Upper Pond	27-Aug	1251	620718	9.66
Upper Pond	27-Aug	1438	620740	7.96
Upper Pond	28-Aug	1059	620813	22.49
Upper Pond	28-Aug	1204	620818	28.46
Upper Pond	28-Aug	1502	620845	21.97
Upper Pond	31-Aug	906	620886	20.73
Upper Pond	31-Aug	1129	620916	27.45
Upper Pond	31-Aug	1158	620923	19.93
Upper Pond	31-Aug	1408	620952	31.43
Upper Pond	31-Aug	1443	620959	19.40
Upper Pond	1-Sep	830	620992	19.96
Upper Pond	1-Sep	852	620999	28.08
Upper Pond	1-Sep	923	621002	26.12
Upper Pond	1-Sep	1048	621021	22.09
Upper Pond	1-Sep	1125		25.31
Upper Pond	1-Sep	1150	621038	22.72
Upper Pond	1-Sep	1303	621061	19.69
Upper Pond	1-Sep	1419	621079	24.27
Upper Pond	2-Sep	827	621125	19.07
Upper Pond	2-Sep	851	621128	22.65
Upper Pond	2-Sep	951	621136	28.74
Upper Pond	2-Sep	1130	621161	22.20
Upper Pond	2-Sep	1157	621167	19.65
Upper Pond	2-Sep	1230	621174	23.35
Upper Pond	2-Sep	1407	621191	17.75
Upper Pond	2-Sep	1431	621194	17.82
Upper Pond	3-Sep	826	621240	19.66
Upper Pond	3-Sep	924	621257	24.70
Upper Pond	3-Sep	1032	621271	18.67
Lower Pond	3-Sep	1501	621329	18.86
Lower Pond	3-Sep	1536	621339	15.63
Lower Pond	15-Sep	1242	622020	16.07
Lower Pond	15-Sep	1521	622055	15.96
Lower Pond	16-Sep	1002	622102	20.97
Lower Pond	16-Sep	1300	622137	22.7
Lower Pond	16-Sep	1415	622159	18.65
Lower Pond	16-Sep	1547	622172	21.06
Lower Pond	17-Sep	706	622180	19.84
Lower Pond	17-Sep	855	622202	16.82
Lower Pond	17-Sep	933	622207	11.82
Lower Pond	17-Sep	1230	622241	11.95
Lower Pond	22-Sep	1105	622568	15.76

Total to date: 3,471.95 Tons
 Total Upper Pond: 645.87 Tons
 Total Lower Pond: 2,786.69 Tons
 Filter Media: 39.39 Tons

Lower Pond	22-Sep	1336	622594	15.25
Lower Pond	23-Sep	835	622643	20.11
Lower Pond	23-Sep	1049	622670	16.11
Lower Pond	23-Sep	1115	622679	21.49
Lower Pond	23-Sep	1421	622709	17.38
Lower Pond	23-Sep	1511	622717	20.82
Lower Pond	24-Sep	936	622757	17.23
Lower Pond	24-Sep	1321	622809	20.10
Lower Pond	25-Sep	822	622841	18.50
Lower Pond	25-Sep	835	622843	12.66
Lower Pond	25-Sep	1118	622874	19.76
Lower Pond	25-Sep	1153	622884	16.61
Lower Pond	25-Sep	1438	622907	17.92
Lower Pond	28-Sep	819	622950	18.40
Lower Pond	28-Sep	1135	622989	15.60
Lower Pond	28-Sep	1219	623001	15.73
Lower Pond	28-Sep	1527	623050	19.63
Lower Pond	29-Sep	703	623059	18.33
Lower Pond	29-Sep	1001	623097	23.99
Lower Pond	29-Sep	1006	623099	21.29
Lower Pond	29-Sep	1248	623137	21.64
Lower Pond	29-Sep	1408	623155	17.38
Lower Pond	30-Sep	724	623180	19.61
Lower Pond	30-Sep	811	623186	16.23
Lower Pond	30-Sep	1020	623215	20.05
Lower Pond	30-Sep	1127	623232	16.56
Lower Pond	30-Sep	1243	623244	17.09
Lower Pond	30-Sep	1440	623273	16.75
Lower Pond	30-Sep	1525	623283	16.18
Lower Pond	1-Oct	827	623305	19.03
Lower Pond	1-Oct	908	623315	20.13
Lower Pond	1-Oct	928	623317	18.28
Lower Pond	1-Oct	1108	623337	20.22
Lower Pond	1-Oct	1206	623349	21.71
Lower Pond	1-Oct	1250	623360	15.98
Lower Pond	1-Oct	1327	623365	21.14
Lower Pond	1-Oct	1512	623383	19.66
Lower Pond	1-Oct	1528	623385	16.18
Lower Pond	2-Oct	701	623392	18.43
Lower Pond	2-Oct	813	623404	19.11
Lower Pond	2-Oct	913	623418	18.01
Lower Pond	2-Oct	1033	623436	18.44
Lower Pond	2-Oct	1121	623446	15.37
Lower Pond	2-Oct	1333	623461	19.26
Lower Pond	2-Oct	1411	623467	14.75
Lower Pond	5-Oct	822	623509	18.82
Lower Pond	5-Oct	919	623522	16.15

Lower Pond	5-Oct	1109	623551	18.23
Lower Pond	5-Oct	1138	623558	16.44
Lower Pond	5-Oct	1242	623574	17.06
Lower Pond	5-Oct	1348	623589	21.77
Lower Pond	5-Oct	1429	623592	18.58
Lower Pond	5-Oct	1503	623604	18.21
Lower Pond	6-Oct	706	623624	18.97
Lower Pond	6-Oct	805	623634	19.17
Lower Pond	6-Oct	841	623643	19.06
Lower Pond	6-Oct	928	623649	19.20
Lower Pond	6-Oct	1020	623658	17.14
Lower Pond	6-Oct	1113	623679	22.40
Lower Pond	6-Oct	1155	623691	19.69
Lower Pond	6-Oct	1238	623705	19.10
Lower Pond	6-Oct	1335	623713	27.76
Lower Pond	6-Oct	1504	623733	18.86
Lower Pond	6-Oct	1534	623741	19.40
Lower Pond	7-Oct	701	623750	19.28
Lower Pond	7-Oct	713	623752	18.25
Lower Pond	7-Oct	816	623767	18.38
Lower Pond	7-Oct	906	623781	20.54
Lower Pond	7-Oct	949	623796	25.29
Lower Pond	7-Oct	1035	623808	21.12
Lower Pond	7-Oct	1129	623818	25.16
Lower Pond	7-Oct	1159	623829	22.45
Lower Pond	7-Oct	1300	623846	19.29
Lower Pond	7-Oct	1340	623852	17.70
Lower Pond	7-Oct	1401	623864	20.87
Lower Pond	7-Oct	1520	623883	19.19
Lower Pond	8-Oct	706	623895	17.08
Lower Pond	8-Oct	710	6223896	22.45
Lower Pond	8-Oct	711	623897	22.73
Lower Pond	8-Oct	924	623926	21.54
Lower Pond	8-Oct	950	623931	18.88
Lower Pond	8-Oct	1015	623935	20.77
Lower Pond	8-Oct	1135	623955	19.56
Lower Pond	8-Oct	1225	623966	22.29
Lower Pond	8-Oct	1243	623972	21.76
Lower Pond	8-Oct	1457	624007	22.94
Lower Pond	8-Oct	1542	624016	18.21
Lower Pond	9-Oct	709	624022	20.22
Lower Pond	9-Oct	719	624025	21.39
Lower Pond	9-Oct	845	624046	17.08
Lower Pond	9-Oct	925	624053	18.45
Lower Pond	9-Oct	954	624062	20.59
Lower Pond	9-Oct	1055	624085	19.37
Lower Pond	9-Oct	1135	624089	17.44

Lower Pond	9-Oct	1204	624092	20.54
Lower Pond	9-Oct	1305	624108	19.02
Lower Pond	9-Oct	1442	624128	21.07
Lower Pond	9-Oct	1543	624141	18.44
Lower Pond	12-Oct	847	624162	23.02
Lower Pond	12-Oct	857	624164	19.03
Lower Pond	12-Oct	1011	624178	20.59
Lower Pond	12-Oct	1051	624192	24.03
Lower Pond	12-Oct	1120	624197	18.69
Lower Pond	12-Oct	1244	624218	18.26
Lower Pond	12-Oct	1301	624224	21.79
Lower Pond	12-Oct	1322	624228	18.51
Lower Pond	12-Oct	1450	624256	16.83
Lower Pond	12-Oct	1535	624267	20.81
Lower Pond	13-Oct	840	624284	19.19
Lower Pond	13-Oct	918		18.82
Lower Pond	13-Oct	942	624298	24.65
Lower Pond	13-Oct	1052	624319	18.92
Lower Pond	13-Oct	1122	624329	18.67
Lower Pond	13-Oct	1156	624337	22.16
Lower Pond	13-Oct	1307	624349	18.27
Lower Pond	13-Oct	1343	624359	17.00
Lower Pond	13-Oct	1410	624363	23.61
Lower Pond	13-Oct	1558	624394	17.28
Lower Pond	14-Oct	709	624398	13.97
Lower Pond	14-Oct	909	624414	21.64
Lower Pond	14-Oct	939	624417	19.80
Lower Pond	14-Oct	1014	624423	16.16
Lower Pond	14-Oct	1149	624441	19.77
Lower Pond	14-Oct	1204	624443	17.96
Lower Pond	14-Oct	1310	624459	20.62
Lower Pond	19-Oct	918	624736	16.50
Lower Pond	19-Oct	1127	624776	16.81
Lower Pond	19-Oct	1441	624838	19.89
Lower Pond	20-Oct	1327	624978	17.55
Lower Pond	20-Oct	1411	624985	22.40
Lower Pond	21-Oct	1223	625072	21.22
Lower Pond	22-Oct	1258	625220	22.84
Lower Pond	22-Oct	1300	625221	13.89
Filter Media	16-Nov	1326	626779	20.17
Filter Media	16-Nov	1539	626795	19.22

WM
Graham Facility
1820 S. Graham Road
Mediowest Management 9022

Original
Ticket# 620718
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier BODES
Ticket Date 08/27/2020 Vehicle# john
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201305520

	Time	Scale	Operator	Inbound	Gross	
In	08/27/2020 12:51:31	Scale1	ASHIELD2		Tare	57820 lb
Out	08/27/2020 13:13:40	Scale1	ASHIELD2		Net	38500 lb
					Tons	19320 lb
						9.66

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	9.66	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	9.66	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS Problem

The total amount includes fees and taxes that may not all be listed on this ticket
imitation.

WM
Graham Facility
1820 S. Graham Road
Mediowest Management 9022

Original
Ticket# 620718
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier BODES
Ticket Date 08/27/2020 Vehicle# john
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201305520

	Time	Scale	Operator	Inbound	Gross	
In	08/27/2020 12:51:31	Scale1	ASHIELD2		Tare	57820 lb
Out	08/27/2020 13:13:40	Scale1	ASHIELD2		Net	38500 lb
					Tons	19320 lb
						9.66

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	9.66	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	9.66	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS Problem

The total amount includes fees and taxes that may not all be listed on this ticket
imitation.

WM
Graham Road Facility
1820 Graham Road.
Medi ~~WASTE MANAGEMENT~~ 09022

Original
Ticket# 620740
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier H20
Ticket Date 08/27/2020 Vehicle# TIMOTHY
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201305512

	Time	Scale	Operator	Inbound	Gross	
In	08/27/2020 14:38:37	Scale1	ASHIELD2		Tare	49480 lb 33560 lb
Out	08/27/2020 14:57:49	Scale1	ASHIELD2		Net	15920 lb
					Tons	7.96

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	7.96	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	7.96	Tons				SPOKANE

WMA
Grain Processing Facility
18200 W. Graham Road.
Medicine Hat, Alberta S1A 0G2

Original
Ticket# 620813
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C
Ticket Date 08/28/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201305513

Carrier H20
Vehicle# TIM
Container
Driver
Check#
Billing# 0001847
Grid

	Time	Scale	Operator	Inbound	Gross
In	08/28/2020 10:59:57	Scale1	ASHIELD2		78200 lb
Out	08/28/2020 11:31:37	Scale1	ASHIELD2		33220 lb
					44980 lb
					22.49 Tons

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	22.49	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	22.49	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

ASH-TIM

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

WM
Grant Facility
1820 W. Ham Road.
Medi ~~WASTE MANAGEMENT~~ 9022

Original
Ticket# 620818
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN HARBORS
Ticket Date 08/28/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201305514

	Time	Scale	Operator	Inbound	Gross	
In	08/28/2020 12:04:14	Scale1	fbaxter		Tare	97060 lb
Out	08/28/2020 12:34:21	Scale1	ashield2		Net	40140 lb
					Tons	56920 lb
						28.46

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	28.46	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				
3 SRHD1-Spokane Regional	100	28.46	Tons				

Total Tax/Fees
Total Ticket

Driver's Signature

SB For Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

WM
Grain Processing Facility
1820 W. Main Road
Medi WASTE MANAGEMENT 99022

Original
Ticket# 620845
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 08/28/2020 Vehicle# carlos
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201305557

	Time	Scale	Operator	Inbound	Gross	
In	08/28/2020 15:02:48	Scale1	ashield2		Tare	83800 lb
Out	08/28/2020 15:35:06	Scale1	ashield2		Net	39860 lb
					Tons	43940 lb
						21.97

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	21.97	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	21.97	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS For Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

WM
Grand Valley
1820
Medicine Lake, ID 83022

Original
Ticket# 620845
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 08/28/2020 Vehicle# carlos
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201305557

Time	Scale	Operator	Inbound	Gross	83800 lb
In 08/28/2020 15:02:48	Scale1	ashield2		Tare	39860 lb
Out 08/28/2020 15:35:06	Scale1	ashield2		Net	43940 lb
				Tons	21.97

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	21.97	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	21.97	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature AS For Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

(Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-002

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMUP-009		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address : SAME			
4. Generator's Phone ((509) 927-6554							
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID			
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (781) 792-5000			
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		C. State Transporter's ID			
				D. Transporter 2 Phone			
				E. State Facility's ID			
				F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit WL/Vol.	
a. NOT REGULATED BY DOT				01 TT		25	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201305557				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery on behalf of				Signature <i>WM</i>		Date Month Day Year 08 28 20	
17. Transporter 1 Acknowledgement & Receipt of Materials				Signature <i>Carlos Cardenas</i>		Date Month Day Year 08 28 20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Alison Shields				Signature <i>Alison Shields</i>		Date Month Day Year 8 12 20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

Waste Management
1820 W. Main Road
Mediaville, OH 44130-9022

Original
Ticket# 620886
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 08/31/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201305558

	Time	Scale	Operator	Inbound	Gross	
In	08/31/2020 09:06:52	Scale1	ashield2		Tare	81040 lb
Out	08/31/2020 09:17:57	Scale1	ashield2		Net	39580 lb
					Tons	41460 lb
						20.73

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	20.73	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	20.73	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AB For Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

(Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-002

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMUP-010		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address : SAME			
4. Generator's Phone : (509) 927-6554							
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID			
				B. Transporter 1 Phone (761) 792-5000			
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID			
				D. Transporter 2 Phone			
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID			
				F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. NOT REGULATED BY DOT				01 TT		20 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201305558				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery						Date Month Day Year 08 31 20	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Carlos Cardenas						Signature <i>[Signature]</i> Date Month Day Year 08 31 20	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name						Signature Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Alison Shields						Date Month Day Year 8 31 20	



NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

WM
Grain 1820
Medicine 9022

Original
Ticket# 620923
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 08/31/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201305559

Time	Scale	Operator	Inbound	Gross	
In 08/31/2020 11:58:49	Scale1	ashield2		Tare	80520 lb 40660 lb
Out 08/31/2020 12:12:19	Scale1	ashield2		Net	39860 lb
				Tons	19.93

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.93	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	19.93	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-002

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMUP-011		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address : SAME			
4. Generator's Phone ((509) 927-8554		5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (781) 792-5000		C. State Transporter's ID	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		D. Transporter 2 Phone		E. State Facility's ID	
				F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit WL/Vol.	
a. NOT REGULATED BY DOT				01 TT		20 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201305559				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> 16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations. </div>							
17. Transporter 1 Acknowledgement of Receipt of Materials				Date			
				Month Day Year		08 31 20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature			
				Month Day Year		08 31 20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature			
				Month Day Year			
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.							
Printed/Typed Name Nolan Shields				Signature <i>[Signature]</i>		Date	
				Month Day Year		8 13 20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



WMA
Grant Facility
1820 W. Main Road
Medi-Serve Environmental 9022

Original
Ticket# 620959
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 08/31/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201305569

	Time	Scale	Operator	Inbound	Gross	
In	08/31/2020 14:43:23	Scale1	ashield2		Tare	79340 lb
Out	08/31/2020 14:52:31	Scale1	ashield2		Net	40540 lb
					Tons	38800 lb
						19.40

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.40	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	19.40	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS-Pr Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

(Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-002

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NONE REQUIRED		Manifest Document No. KMUP-020		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Med WA 99021				Site Address : SAME			
4. Generator's Phone (509) 927-8554		5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (781) 792-5000		C. State Transporter's ID	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		D. Transporter 2 Phone		E. State Facility's ID	
				F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION a. NOT REGULATED BY DOT				Containers		13. Total Quantity	
				No. Type		14. Unit WL/Vol.	
				01 TT		20 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201305569				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery on Behalf of				Signature <i>W. Montgomery</i>		Date Month Day Year 08 31 20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Carlos Cardenas</i>		Date Month Day Year 08 31 20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.				Date Month Day Year 8 31 20			
Printed/Typed Name Musen Shields				Signature <i>Musen Shields</i>			

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

Waste Management
Graham Road Facility
1820 S. Graham Road
Mediapolis, IA 52051
9022

Original
Ticket# 620952

Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier BODES
Ticket Date 08/31/2020 Vehicle# JOHN
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115343WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201305524

	Time	Scale	Operator	Inbound	Gross	
In	08/31/2020 14:08:30	Scale1	ashield2		Tare	101400 lb 38540 lb
Out	08/31/2020 14:24:16	Scale1	ashield2		Net	62860 lb
					Tons	31.43

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	31.43	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	31.43	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS Rv Bodes

The total amount includes fees and taxes that may not all be listed on this ticket due to tech limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

(Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-002

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NONEREQUIRED		Manifest Document No. KNUP-007		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address : SAME			
4. Generator's Phone : (509) 927-6554							
5. Transporter 1 Company Name R Transport Inc		6. US EPA ID Number WAH000028338		A. State Transporter's ID			
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (509) 785-3505			
				C. State Transporter's ID			
				D. Transporter 2 Phone			
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID			
				F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. NOT REGULATED BY DOT				01 TT		24 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201305524 R Trans PO# W201305523				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery on behalf of				Signature		Date Month Day Year 08/31/20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature		Date	
Printed/Typed Name John Regan				Signature		Month Day Year 08/31/20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date	
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Alison Shields				Signature Alison Shields		Date Month Day Year 8/31/20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



WM
Graham Road Facility
1820 S. Graham Road
Medi ~~WASTE MANAGEMENT~~ 9022

Original
Ticket# 620916
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier BODES
Ticket Date 08/31/2020 Vehicle# john
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 1
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201305522

	Time	Scale	Operator	Inbound	Gross	
In	08/31/2020 11:29:45	Scale1	sharrin5		Tare	93460 lb
Out	08/31/2020 11:47:43	Scale1	sharrin5		Net	38560 lb
					Tons	54900 lb
						27.45

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	27.45	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	27.45	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

John for John

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-002

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KNUP-006		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address : SAME			
4. Generator's Phone ((509) 927-6554							
5. Transporter 1 Company Name R Transport Inc		6. US EPA ID Number WAH000028338		A. State Transporter's ID			
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (509) 765-3505			
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		C. State Transporter's ID			
				D. Transporter 2 Phone			
				E. State Facility's ID			
				F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION				Containers No. Type		13. Total Quantity	
a. NOT REGULATED BY DOT				01 TT		24	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201305522 R Trans PO# W201305521				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery				Signature <i>William Montgomery</i>		Date Month Day Year 08/31/20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>John Reagan</i>		Date Month Day Year 08/31/20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.				Date Month Day Year 8/31/20			
Printed/Typed Name <i>Steven Harrington</i>				Signature <i>Steven Harrington</i>			

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

WM
Gra... Facility
1820...ham Road
Medi... 9022

Original
Ticket# 620992
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/01/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201305561

Time	Scale	Operator	Inbound	Gross	80220 lb
In 09/01/2020 08:30:25	Scale1	ashield2		Tare	40300 lb
Out 09/01/2020 08:47:52	Scale1	ashield2		Net	39920 lb
				Tons	19.96

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.96	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	19.96	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature *ABR Carlos*

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

(Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-002

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NONE REQUIRED		Manifest Document No. KMUP-012		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address :			
				SAME			
4. Generator's Phone ((509) 927-8554							
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID			
				B. Transporter 1 Phone		(781) 792-5000	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID			
				D. Transporter 2 Phone			
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID			
				F. Facility's Phone		(509) 244-0151	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type			
a. NOT REGULATED BY DOT				01 DT		20 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201305561				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery on behalf of				Signature <i>William Montgomery</i>		Date Month Day Year 08/31/20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Carlos Cardenas</i>		Date Month Day Year 08/31/20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.				Signature <i>Alison Shields</i>		Date Month Day Year 9/1/20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



WM
Gran Facility
1820 Ham Road
Mediwa E. Mayada, ID 834022

Original
Ticket# 621021
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/01/2020 Vehicle# carlos
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201305562

	Time	Scale	Operator	Inbound	Gross	
In	09/01/2020 10:48:57	Scale1	ashield2		Tare	84520 lb
Out	09/01/2020 11:04:05	Scale1	ashield2		Net	40340 lb
					Tons	44180 lb
						22.09

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	22.09	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	22.09	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS for Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

SPK 2004296025-002

Please print or type

(Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NONE REQUIRED		Manifest Document No. KMUP-013		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address : SAME			
4. Generator's Phone ((509) 927-8554)							
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID (701) 792-5000			
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone			
				C. State Transporter's ID			
				D. Transporter 2 Phone			
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID			
				F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit WL/Vol.	
a. NOT REGULATED BY DOT				01 DT		20 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201305562				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery				Signature <i>William Montgomery</i>		Date Month Day Year 09/01/20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Carlos Cardenas</i>		Date Month Day Year 09/01/20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Alison Shields				Signature <i>Alison Shields</i>		Date Month Day Year 9/1/20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



W
Grain Facility
1820 1st Avenue
Medicine Hat, Alberta T1C 1G9

Original
Ticket# 621061
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/01/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201305563

	Time	Scale	Operator	Inbound	Gross	
In	09/01/2020 13:03:28	Scale1	ashield2		Tare	79680 lb 40300 lb
Out	09/01/2020 13:15:42	Scale1	ashield2		Net	39380 lb
					Tons	19.69

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.69	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	19.69	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS for Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

SPK 2004296025-002

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NONE REQUIRED		Manifest Document No. KMUP-014		2. Page 1 of 1	
3. Generator's Name and Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021 (509) 927-8554				Site Address SAME			
4. Generator's Phone		5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID (761) 792-5000	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		B. Transporter 1 Phone	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		D. Transporter 2 Phone		E. State Facility's ID	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
a. NOT REGULATED BY DOT				No. Type		14. Unit WL/Vol.	
				01 DT		20 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201305563				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery on behalf of				Signature <i>William Montgomery</i>		Date Month Day Year 09 01 20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Carlos Cardenas</i>		Date Month Day Year 09 01 20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.				Signature <i>Alison Shields</i>		Date Month Day Year 9 11 20	



WM
Grain Processing Facility
1820 W. Main Road
Medicine Lake, NE 68402

Original
Ticket# 621079

Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier LABUTE LABUTE
Ticket Date 09/01/2020 Vehicle# JAY
Payment Type Credit Account Container
Manual Ticket# Driver JAY
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid

Manifest 115434WA

Profile 115434WA (LF01 - Sediment)

Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA

PO# W201305580

	Time	Scale	Operator	Inbound	Gross	
In	09/01/2020 14:19:23	Scale1	ashield2		Tare	85700 lb
Out	09/01/2020 14:30:59	Scale1	ashield2		Net	37160 lb
					Tons	48540 lb
						24.27

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	24.27	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	24.27	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS P Jay

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

(Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-002

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NONE REQUIRED		Manifest Document No. KNUP-025		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address SAME			
4. Generator's Phone ((509) 927-6554)							
5. Transporter 1 Company Name R Transport Inc		6. US EPA ID Number WAH000028338		A. State Transporter's ID			
				B. Transporter 1 Phone (509) 785-3505			
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID			
				D. Transporter 2 Phone			
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID			
				F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	14. Unit Wt./Vol.
				No.	Type		
a. NOT REGULATED BY DOT				01	DT	26	T
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201305580 R Trans PO# W201305579				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
<div style="background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px); height: 10px; width: 100%; margin: 5px 0;"></div>							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William M. ... on behalf of				Signature <i>[Signature]</i>		Date 07/21/20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		Date 07/21/20	
Printed/Typed Name Jay ...				Signature <i>[Signature]</i>		Date 07/21/20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date	
Printed/Typed Name				Signature		Date	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Alison ...				Signature <i>[Signature]</i>		Date 07/21/20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



W
Grain Facility
1820 Ham Road
Medicine Hat, Alberta T2C 1A9
9022

Original
Ticket# 621038

Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier LABUTE LABUTE
Ticket Date 09/01/2020 Vehicle# JAY
Payment Type Credit Account Container
Manual Ticket# Driver JAY
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid

Manifest 115434WA
Profile 115434WA (LFO1 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# 201305575

Time	Scale	Operator	Inbound	Gross	82660 lb
In 09/01/2020 11:50:09	Scale1	fbaxter		Tare	37220 lb
Out 09/01/2020 12:04:31	Scale1	fbaxter		Net	45440 lb
				Tons	22.72

Comments

Product	ID#	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	22.72	Tons				SPOKANE
2 EVP-P6-Environmental Fe	100		%				SPOKANE
3 SRHDL-Spokane Regional	100	22.72	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

FB

The total amount includes fees and taxes that may not all be listed on this ticket due to limitation.

NON-HAZARDOUS WASTE MANIFEST

SPK 2004296025-002

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NONE REQUIRED		Manifest Document No. KNUP-026	2. Page 1 1 of
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021 (509) 927-8554				Site Address SAME	
4. Generator's Phone ()					
5. Transporter 1 Company Name R Transport Inc		6. US EPA ID Number WAH000028338		A. State Transporter's ID (509) 745-8695	
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone	
				C. State Transporter's ID	
				D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID	
				F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION		Containers		13. Total Quantity	14. Unit Wt./Vol.
		No.	Type		
a. NOT REGULATED BY DOT		01	DT	24	T
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above 11a.115434WA		H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201305582 R Trans PO# W201305581		EMERGENCY PHONE # (800) 483-3719			
		GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name		Signature		Date	
William Montgomery on behalf of		<i>Wm Montgomery</i>		Month Day Year 09/02/20	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Date	
<i>John Regan</i>		<i>[Signature]</i>		Month Day Year 09/02/20	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date	
				Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.					
Printed/Typed Name		Signature		Date	
<i>Alison Shields</i>		<i>Alison Shields</i>		Month Day Year 9/12/20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

W W
ham Road
WASTE MANAGEMENT 9022

Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier BODES
Ticket Date 09/01/2020 Vehicle# john
Payment Type Credit Account Container
Annual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid

Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
EO# w201305574

	Time	Scale	Operator	Inbound	Gross	
In	09/01/2020 11:25:19	Scale1	ashield2		Tare	89640 lb
Out	09/01/2020 11:43:04	Scale1	fbaxter		Net	39020 lb
					Tons	50620 lb
						25.31

ments

duct	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
Spwaste Solid Oth-Tons-	100	25.31	Tons				SPOKANE
EVF-P6-Environmental Fe	100		%				SPOKANE
SRHD1-Spokane Regional	100	25.31	Tons				SPOKANE

Total Tax/Fees
Total Ticket

FB

Driver's Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

9PK 2004296025 002

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NONE REQUIRED		Manifest Document No. RNDP 027		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address SAME			
4. Generator's Phone ((509) 927-4554)							
5. Transporter 1 Company Name R Transportation		6. US EPA ID Number WAH000028338		A. State Transporter's ID			
				B. Transporter 1 Phone (509) 745-2509			
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID			
				D. Transporter 2 Phone			
9. Designated Facility Name and Site Address Waste Management Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXN03REORD31		E. State Facility's ID			
				F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit WL/Vol.	
a. NOT REGULATED BY DOT				01 DT		26 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201305584 R Trans PO# W201305583				EMERGENCY PHONE # (800) 483-3714 GENERATOR Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery						Date Month Day Year 09/02/20	
Signature <i>[Signature]</i>							
17. Transporter 1 Acknowledgement of Receipt of Materials						Date	
Printed/Typed Name Jay Labute						Month Day Year 09/02/20	
Signature <i>[Signature]</i>							
18. Transporter 2 Acknowledgement of Receipt of Materials						Date	
Printed/Typed Name Jay Labute						Month Day Year 9/2/20	
Signature <i>[Signature]</i>							
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Alexis Shields						Date Month Day Year 9/5/20	
Signature <i>[Signature]</i>							



NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

Waste Management
1820 W. Main Road
Mediaville, OH 44130-0022

Original
Ticket# 621002
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier LABUTE LABUTE
Ticket Date 09/01/2020 Vehicle# JAY
Payment Type Credit Account Container
Manual Ticket# Driver JAY
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201305572

Time	Scale	Operator	Inbound	Gross	89540 lb
In 09/01/2020 09:23:56	Scale1	ashield2		Tare	37300 lb
Out 09/01/2020 09:36:05	Scale1	ashield2		Net	52240 lb
				Tons	26.12

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	26.12	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	26.12	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R. Jay

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

SPK 2004296025-002

Please print or type

(Form designed for use on 60 lb (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NONE REQUIRED		Manifest Document No. KNUP-028		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address : SAME			
4. Generator's Phone ((509) 927-8554)							
5. Transporter 1 Company Name R Transport Inc		6. US EPA ID Number WAH000028338		A. State Transporter's ID		B. Transporter 1 Phone (509) 785-3505	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID		F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. NOT REGULATED BY DOT				01 DT		26 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201305586 R Trans PO# W201305585				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery on behalf of				Signature <i>William Montgomery</i>		Date Month Day Year 09/02/20	
17. Transporter 1 Acknowledgement & Receipt of Materials				Signature <i>John Regan</i>		Date Month Day Year 09/02/20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Alison Shields				Signature <i>Alison Shields</i>		Date Month Day Year 9/2/20	

NON-HAZARDOUS WASTE

WM
Grain Facility
1820 W. Main Road
Medicine Hat, Alberta S0A 0A0
WASTE MANAGEMENT 9022

Original
Ticket# 620999
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier BODES
Ticket Date 09/01/2020 Vehicle# JOHN
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201305526

	Time	Scale	Operator	Inbound	Gross	
In	09/01/2020 08:52:30	Scale1	ashield2		Tare	95120 lb
Out	09/01/2020 09:10:43	Scale1	ashield2		Net	38960 lb
					Tons	56160 lb
						28.08

Comments

Product	LD%	Qty	UCM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	28.08	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	28.08	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R John

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

SPK 2004296025-002

Please print or type

(Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <i>None Required</i>		Manifest Document No. KNUP-030		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address: SAME			
4. Generator's Phone ((509) 927-8554							
5. Transporter 1 Company Name R Transport Inc		9. US EPA ID Number WAH000028338		A. State Transporter's ID			
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (509) 785-3505			
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		C. State Transporter's ID			
				D. Transporter 2 Phone			
				E. State Facility's ID			
				F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. NOT REGULATED BY DOT				01 DT		26 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201305629 R Trans PO# W201305628				EMERGENCY PHONE #: (800) 483-3718			
				GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name <i>William Montgomery on behalf of</i>				Signature <i>[Signature]</i>		Date Month Day Year <i>09/02/20</i>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		Date Month Day Year <i>9/2/20</i>	
Printed/Typed Name <i>John Reay</i>				Signature		Date Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
Printed/Typed Name				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name <i>Aileen Shields</i>				Signature <i>[Signature]</i>		Date Month Day Year <i>9/2/20</i>	

WM
Grain Processing Facility
18200 W. Main Road
Mediaville, OH 44130-9022

Original
Ticket# 621125
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/02/2020 Vehicle# CARLSO
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201305564

	Time	Scale	Operator	Inbound	Gross	
In	09/02/2020 08:27:41	Scale1	ashield2		Tare	78080 lb 39940 lb
Out	09/02/2020 08:43:42	Scale1	ashield2		Net	38140 lb
					Tons	19.07

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.07	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	19.07	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS Per Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

SPK 2004296025-002

Please print or type

(Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NONE REQUIRED		Manifest Document No. KMUP-015		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address: SAME			
4. Generator's Phone ((509) 927-8554)							
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID		B. Transporter 1 Phone (701) 792-5000	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID		F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit WL/Vol.	
a. NOT REGULATED BY DOT				01 DT		20 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PON W201305564				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery on behalf of W&M				Signature <i>William Montgomery</i>		Date 09/01/20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Carlos Cardenas</i>		Date 09/01/20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date	
Printed/Typed Name				Signature		Date	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Alison Shields				Signature <i>Alison Shields</i>		Date 9/12/20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



WMA
Grain Facility
1820 Main Road
Medicine Hat, Alberta S9022

Original
Ticket# 621167
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN HARBORS
Ticket Date 09/02/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 1
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# 201305565

	Time	Scale	Operator	Inbound	Gross	
In	09/02/2020 11:57:56	Scale1	sharrin5		Tare	79180 lb 39880 lb
Out	09/02/2020 12:11:24	Scale1	sharrin5		Net	39300 lb
					Tons	19.65

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.65	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	19.65	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

SH for Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

(Form designed for use on elite (12 pitch) typewriter)

SPK 2004296026-002

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NONE REQUIRED		Manifest Document No. KMUP-015		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address 3AMF			
4. Generator's Phone (509) 927-8554							
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID			
				B. Transporter 1 Phone (781) 792-5000			
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID			
				D. Transporter 2 Phone			
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID			
				F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit WL/Vol.	
a. NOT REGULATED BY DOT				01 DT		20 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201305565				EMERGENCY PHONE #: (800) 482-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery on behalf of				Signature <i>WMT</i>		Date Month Day Year 09/02/20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Carlos Cardenas</i>		Date Month Day Year 09/02/20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Steven Harrington				Signature <i>Steve</i>		Date Month Day Year 09/02/20	



WM
Grain Facility
18200 Main Road
Medicine Lake, WY 81302

Original
Ticket# 621194
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/02/2020 Vehicle# carlos
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201305566

	Time	Scale	Operator	Inbound	Gross	
In	09/02/2020 14:31:39	Scale1	ashield2		Tare	75760 lb 40120 lb
Out	09/02/2020 14:44:13	Scale1	ashield2		Net	35640 lb
					Tons	17.82

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	17.82	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	17.82	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS for Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on 8 1/2" (12 pitch) typewriter)

SPK 2004296025-002

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NONE REQUIRED		Manifest Document No. KMUP-017		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address: SAME			
4. Generator's Phone: (509) 927-6554							
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID			
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (781) 792-5000			
				C. State Transporter's ID			
				D. Transporter 2 Phone			
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medford Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID			
				F. Facility's Phone (309) 244-0151			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No.	Type		
a. NOT REGULATED BY DOT				9	DT	20	T
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201305566				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> 16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations. </div>							
Printed/Typed Name William Montgomery on behalf of				Signature <i>William Montgomery</i>		Date 09/02/20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Carlos Cardenas</i>		Date 09/02/20	
Printed/Typed Name Carlos Cardenas				Signature		Date	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date	
Printed/Typed Name				Signature		Date	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name <i>Alison Shields</i>				Signature <i>Alison Shields</i>		Date 9/2/20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

WMA
Graham Road Facility
1820 S. Graham Road.
Medi ~~WASTE MANAGEMENT~~ 9022

Ph: (509) 244-0151

Original
Ticket# 621128

Customer Name CLEAN HARBORS 115434WA C Carrier BODES
Ticket Date 09/02/2020 Vehicle# JOHN
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201305581

	Time	Scale	Operator	Inbound	Gross	
In	09/02/2020 08:51:34	Scale1	ashield2		Tare	84280 lb
Out	09/02/2020 09:08:46	Scale1	ashield2		Net	38980 lb
					Tons	45300 lb
						22.65

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	22.65	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	22.65	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS for John

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

SPK 2004296025-002

Please print or type

(Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NONE REQUIRED		Manifest Document No. KNUP-008		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address : SAME			
4. Generator's Phone : (509) 927-6554							
5. Transporter 1 Company Name R Transport Inc		6. US EPA ID Number WAH000028338		A. State Transporter's ID		B. Transporter 1 Phone (509) 785-3505	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID		F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. NOT REGULATED BY DOT				01 DT		24 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201305526 R Trans PO# W201305525				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery on behalf of				Signature <i>WM Montgomery</i>		Date Month Day Year 09/01/20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>John Regan</i>		Date Month Day Year 09/01/20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Alison Shields				Signature <i>Alison Shields</i>		Date Month Day Year 9/1/20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



WWM
Graham Road Facility
1820 S. Graham Road
Mediowaste Management 9022

Original
Ticket# 621136
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier LABUTE LABUTE
Ticket Date 09/02/2020 Vehicle# JAY
Payment Type Credit Account Container
Manual Ticket# Driver JAY
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201305584

	Time	Scale	Operator	Inbound	Gross	
In	09/02/2020 09:51:19	Scale1	ashield2		Tare	94860 lb
Out	09/02/2020 10:04:39	Scale1	ashield2		Net	37380 lb
					Tons	57480 lb
						28.74

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	28.74	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	28.74	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS for Jay

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. SPK2004296025-002		Manifest Document No. KNUP-021		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address : SAME			
4. Generator's Phone (509) 927-6554		5. Transporter 1 Company Name R Transport Inc		6. US EPA ID Number WAH000028338		A. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (509) 785-8505		C. State Transporter's ID	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		D. Transporter 2 Phone		E. State Facility's ID	
				F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		Unit	
a. NOT REGULATED BY DOT				01 DT		24 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201305572 R Trans PO# W201305571				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery on behalf				Signature <i>William Montgomery</i>		Date Month Day Year 09/01/20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Jay Labute</i>		Date Month Day Year 09/01/20	
Printed/Typed Name Jay Labute				Signature		Date Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
Printed/Typed Name				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.							
Printed/Typed Name Aison Shields				Signature <i>Aison Shields</i>		Date Month Day Year 9/1/20	

WASTE MANAGEMENT
1820 ...ham Road
Medi ... 9022

Ph: (509) 244-0151

Original
Ticket# 621161

2

Customer Name CLEAN HARBORS 115434WA C Carrier BODES
Ticket Date 09/02/2020 Vehicle# JOHN
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201305586

	Time	Scale	Operator	Inbound	Gross	
In	09/02/2020 11:30:42	Scale1	ashield2		Tare	83320 lb
Out	09/02/2020 11:46:13	Scale1	ashield2		Net	38920 lb
					Tons	44400 lb
						22.20

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	22.20	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	22.20	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R. John

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

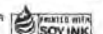
NON-HAZARDOUS WASTE MANIFEST

SPK 2004298025-002

Please print or type

(Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No NONE REQUIRED		Manifest Document No. KNUP-022		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address : SAME			
4. Generator's Phone : (509) 927-6554							
5. Transporter 1 Company Name R Transport Inc		6. US EPA ID Number WAH000028338		A. State Transporter's ID (509) 765-3585			
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID			
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		D. Transporter 2 Phone			
				E. State Facility's ID			
				F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt /Vol.	
a. NOT REGULATED BY DOT				01 DT		T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201305574 R Trans PO# W201305573				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery on behalf of				Signature <i>William Montgomery</i>		Date Month Day Year 07/01/20	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name John Regan				Signature <i>John Regan</i>		Date Month Day Year 07/01/20	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Alison Shields				Signature <i>Alison Shields</i>		Date Month Day Year 9/1/20	



NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

Graham Road Facility
1820 S. Graham Road.
Medi WASTE MANAGEMENT 99022

Original
Ticket# 621191
Ph: (509) 244-0151

3

Customer Name CLEAN HARBORS 115434WA C Carrier BODES
Ticket Date 09/02/2020 Vehicle# john
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201305629

	Time	Scale	Operator	Inbound	Gross	
In	09/02/2020 14:07:27	Scale1	ashield2		Tare	74340 lb
Out	09/02/2020 14:25:23	Scale1	ashield2		Net	38840 lb
					Tons	35500 lb
						17.75

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	17.75	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	17.75	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS For John

The total amount includes fees and taxes that may not all be listed on this ticket due to limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

(Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-002

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NONE REQUIRED		Manifest Document No. KNUP-023		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address SAME			
4. Generator's Phone ((509) 927-8554)							
5. Transporter 1 Company Name R Transport Inc		6. US EPA ID Number WAH000028338		A. State Transporter's ID			
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (509) 763-3505			
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		C. State Transporter's ID			
				D. Transporter 2 Phone			
				E. State Facility's ID			
F. Facility's Phone (509) 244-0151							
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. NOT REGULATED BY DOT				01 DT		26 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201305576 R Trans PO# W201305575				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
<div style="border: 2px solid black; padding: 5px; margin: 10px auto; width: 80%;"> 16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations. </div>							
Printed/Typed Name William Montgomery on behalf of				Signature <i>William Montgomery</i>		Date 09/01/20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Jay LaBute</i>		Date 09/01/20	
Printed/Typed Name Jay LaBute				Signature		Date	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date	
Printed/Typed Name				Signature		Date	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature <i>FD</i>		Date 9/1/20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



WM
Graham Road Facility
1820 S. Graham Road
Medicine Hat, Alberta T1C 1P9
WASTE MANAGEMENT 9022

Original
Ticket# 621174
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier LABUTE LABUTE
Ticket Date 09/02/2020 Vehicle# JAY
Payment Type Credit Account Container
Manual Ticket# Driver JAY
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201305627

	Time	Scale	Operator	Inbound	Gross	
In	09/02/2020 12:30:29	Scale1	ashield2		Tare	84100 lb
Out	09/02/2020 12:45:26	Scale1	ashield2		Net	37400 lb
					Tons	46700 lb
						23.35

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	23.35	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	23.35	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS Forday

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

SPK 2004296025-002

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NOT REQUIRED		Manifest Document No. KNUP-024		2. Page 1 1 of	
3. Generator's Name and Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021 (509) 927-6554				B. State Transporter's ID (509) 795-3505			
4. Generator's Phone ()				C. State Transporter's ID			
5. Transporter 1 Company Name R Transport Inc				D. Transporter 2 Phone			
6. US EPA ID Number WAH000028338				E. State Facility's ID			
7. Transporter 2 Company Name				F. Facility's Phone (509) 244-0151			
8. US EPA ID Number							
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022				10. US EPA ID Number TXNOTREORD31			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. NOT REGULATED BY DOT				01 DT		24 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201305578 R Trans PO# W201305577				EMERGENCY PHONE #: (800) 483-3718			
				GENERATOR: Kaiser Aluminum			
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> 16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations. </div>							
						Date	
Printed/Typed Name William Montgomery on behalf of						Month Day Year 09/01/20	
Signature <i>William Montgomery</i>							
17. Transporter 1 Acknowledgement of Receipt of Materials						Date	
Printed/Typed Name John Rogers						Month Day Year 09/01/20	
Signature <i>John Rogers</i>							
18. Transporter 2 Acknowledgement of Receipt of Materials						Date	
Printed/Typed Name						Month Day Year	
Signature							
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
						Date	
Printed/Typed Name Alison Shields						Month Day Year 9/1/20	
Signature <i>Alison Shields</i>							

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NONE REQUIRED		Manifest Document No KMLP-0		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorne rd Mead, WA 99201				Site address: Same			
4. Generator's Phone (509) 927-6554							
5. Transporter 1 Company Name R Transport Inc		6. US EPA ID Number WAH000028338		A. State Transporter's ID			
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone			
				C. State Transporter's ID			
				D. Transporter 2 Phone			
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham rd Medical Lake, WA 99022				10. US EPA ID Number TXNOTREORD31		E. State Facility's ID	
				F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt/Vol	
a. NOT REGULATED BY DOT				01 DT		19 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a. 115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal P.O. R Transport P.O. Emergency Phone WJ201314391 W-201305632 800 483-3718 18.86 T							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery on behalf of		Signature <i>William Montgomery</i>		Date Month Day Year 09/03/20			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name John Regen		Signature <i>John Regen</i>		Date Month Day Year 09/03/20			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Date Month Day Year			
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Alison Shields		Signature <i>Alison Shields</i>		Date Month Day Year 09/03/20			

WMA
Grain
1820
Medicine

Original
Ticket# 621329
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier BODES
Ticket Date 09/03/2020 Vehicle# john
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201305633 W 201314391

	Time	Scale	Operator	Inbound	Gross	
In	09/03/2020 15:01:18	Scale1	ashield2		Tare	76720 lb
Out	09/03/2020 15:15:41	Scale1	ashield2		Net	39000 lb
					Tons	37720 lb
						18.86

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	18.86	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	18.86	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS for John

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <i>None Required</i>		Manifest Document No. <i>KMP-036</i>		2. Page 1 of 1	
3. Generator's Name and Mailing Address <i>Kaiser Aluminum 2111 E Hawthorne rd Mead, WA 99201</i>				Site address: <i>same</i>			
4. Generator's Phone (<i>509</i>) <i>927-6554</i>							
5. Transporter 1 Company Name <i>Clean Harbors Environmental</i>		6. US EPA ID Number <i>MAD039322250</i>		A. State Transporter's ID			
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone <i>(781) 792-5000</i>			
				C. State Transporter's ID			
				D. Transporter 2 Phone			
9. Designated Facility Name and Site Address <i>Waste management - Graham rd 1820 S. Graham rd Medical Lake, WA 99022</i>		10. US EPA ID Number <i>TX NOTREORD31</i>		E. State Facility's ID			
				F. Facility's Phone <i>(509) 244-0151</i>			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. <i>NOT REGULATED BY DOT</i>				<i>01 DT</i>		<i>20016 T</i>	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above <i>11a. 115434WA</i>				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information <i>Disposal P.O. R Transportation P.O. Emergency Phone W201314392 W201305632 (800) 483-3718 15.63 T</i>							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name <i>William Montgomery on behalf of</i>				Signature <i>William Montgomery</i>		Date Month Day Year <i>09/03/20</i>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Carlos Cardenas</i>		Date Month Day Year <i>09/03/20</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date	
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name <i>Alison Shields</i>				Signature <i>Alison Shields</i>		Date Month Day Year <i>9/3/20</i>	

13

W
Graham Facility
1820 W. Graham Road
Mediast Environmental 9022

Original
Ticket# 621339
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/03/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201305633 *W201314392*

	Time	Scale	Operator	Inbound	Gross	
In	09/03/2020 15:36:36	Scale1	ashield2		Tare	71140 lb
Out	09/03/2020 15:52:27	Scale1	ashield2		Net	39880 lb
					Tons	31260 lb
						15.63

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	15.63	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	15.63	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS for Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-006

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-006		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021 4. Generator's Phone (509) 927-8554				Site Address : SAME			
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID		B. Transporter 1 Phone (781) 792-5000	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID		F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. NOT REGULATED BY DOT				01 DT		02016 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal per W201313044 16.07 Tons				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name MICHAEL A. MURPHY ON BEHALF OF				Signature <i>[Signature]</i>		Date Month Day Year 09 15 20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		Date Month Day Year 09 15 20	
Printed/Typed Name Carlos Cardenas				Signature		Date Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
Printed/Typed Name				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Alison Shields				Signature <i>[Signature]</i>		Date Month Day Year 9 15 20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

WMA
Grant Hazardous Waste Facility
18200 W. Ham Road,
Mediaville, OH 44130-0922

Original
Ticket# 622020
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/15/2020 Vehicle# carlos
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201313044

	Time	Scale	Operator	Inbound	Gross	
In	09/15/2020 12:42:28	Scale1	ASHIELD2		Tare	72020 lb 39880 lb
Out	09/15/2020 12:59:55	Scale1	ASHIELD2		Net	32140 lb
					Tons	16.07

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	16.07	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	16.07	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS Per Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-006

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-007		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021 4. Generator's Phone (509) 927-6554				Site Address : SAME			
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID		B. Transporter 1 Phone (781) 792-5000	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID		F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. NOT REGULATED BY DOT				01 DT		020/16 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal po# W 201313045 15.96 Tons				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name MICHAEL A. MURPHY				Signature <i>[Signature]</i>		Date Month Day Year 09/15/20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		Date Month Day Year 09/15/20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.				Signature <i>[Signature]</i>		Date Month Day Year 9/15/20	

W
Grain Processing Facility
1820 W. Ham Road
Mediast Investment 89022

Original
Ticket# 622055
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/15/2020 Vehicle# carlos
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201313045

	Time	Scale	Operator	Inbound	Gross	
In	09/15/2020 15:21:58	Scale1	ASHIELD2		Tare	71660 lb
Out	09/15/2020 15:39:20	Scale1	ASHIELD2		Net	39740 lb
					Tons	31920 lb
						15.96

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	15.96	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	15.96	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS for Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

(Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-006

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-008		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address : SAME			
4. Generator's Phone (509) 927-8554							
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID		B. Transporter 1 Phone (781) 792-5000	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID		F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. NOT REGULATED BY DOT				01 DT		02021 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal per W201313046 20.97 Tons				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name MICHAEL A. MURPHY				Signature <i>[Signature]</i>		Date Month Day Year 09/16/20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		Date Month Day Year 09/16/20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Ausenshield				Signature <i>[Signature]</i>		Date Month Day Year 9/16/20	

WMA
Grant Road Facility
1820 Grant Road
Mediast Landfill 99022

Original
Ticket# 622102
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/16/2020 Vehicle# carlos
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201313046

	Time	Scale	Operator	Inbound	Gross	
In	09/16/2020 10:02:53	Scale1	ASHIELD2		Tare	81640 lb
Out	09/16/2020 10:19:45	Scale1	ASHIELD2		Net	39700 lb
					Tons	41940 lb
						20.97

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	20.97	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	20.97	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-006

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-006 Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address : SAME	
4. Generator's Phone (509) 927-8554					
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID	
				B. Transporter 1 Phone (781) 792-5000	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID	
				D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID	
				F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION				Containers	
				No.	Type
a. NOT REGULATED BY DOT				01	DT
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above	
15. Special Handling Instructions and Additional Information Dispose 1 pot w 201313047				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum	
22.70 Tons					
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name MICHAEL A. MURPHY <i>ON BEHALF of</i>				Signature <i>[Signature]</i>	
				Date Month Day Year 09 16 20	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name Carlos Cardenas				Signature <i>[Signature]</i>	
				Date Month Day Year 09 16 20	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name				Signature	
				Date Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.					
Printed/Typed Name Alicia Shields				Signature <i>[Signature]</i>	
				Date Month Day Year 9 16 20	

WMA
Grafford Facility
1820 W. Main Road
Mediast Management 99022

Original
Ticket# 622137
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/16/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201313047

	Time	Scale	Operator	Inbound	Gross	
In	09/16/2020 13:00:40	Scale1	ashield2		Tare	84960 lb
Out	09/16/2020 13:16:49	Scale1	ashield2		Net	39560 lb
					Tons	45400 lb
						22.70

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	22.70	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	22.70	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

JS R. Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-006

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP- 010	2. Page 1 of 1
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021 4. Generator's Phone: (509) 927-8554				Site Address : SAME	
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (781) 792-5000	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		C. State Transporter's ID	
				D. Transporter 2 Phone	
				E. State Facility's ID	
				F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION				Containers	
				No.	Type
a. NOT REGULATED BY DOT				01	DT
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above	
15. Special Handling Instructions and Additional Information Disposal PO# W201313530				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum 21.06 Tons	
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name Michael A. Murphy				Date Month Day Year 09/16/20	
Signature <i>Michael A. Murphy</i>				Date Month Day Year 09/16/20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date Month Day Year 09/16/20	
Printed/Typed Name Carlos Cardenas				Date Month Day Year 09/16/20	
Signature <i>Carlos Cardenas</i>				Date Month Day Year 09/16/20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date Month Day Year 09/16/20	
Printed/Typed Name				Date Month Day Year 09/16/20	
Signature				Date Month Day Year 09/16/20	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.					
Printed/Typed Name Aaron Shields				Date Month Day Year 9/16/20	
Signature <i>Aaron Shields</i>				Date Month Day Year 9/16/20	



W
Grainger Facility
1820 W. Graham Road
Medicine Lake, ID 83292

Original
Ticket# 622172
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/16/2020 Vehicle# carlos
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201313530

	Time	Scale	Operator	Inbound	Gross	
In	09/16/2020 15:47:28	Scale1	ashield2		Tare	81620 lb 39500 lb
Out	09/16/2020 16:00:10	Scale1	ashield2		Net	42120 lb
					Tons	21.06

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	21.06	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	21.06	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS for Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-006

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP- 011		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address : SAME			
4. Generator's Phone (509) 927-6554							
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc		6. US EPA ID Number MAD039322250		A. State Transporter's ID			
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (781) 792-5000			
				C. State Transporter's ID			
				D. Transporter 2 Phone			
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID			
				F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No.	Type		
a. NOT REGULATED BY DOT				01	DT	02017	T
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201313531				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum 16.82 Tons			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name MICHAEL A. MURPHY				Signature <i>[Signature]</i>		Date Month Day Year 09 17 20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		Date Month Day Year 09 17 20	
Printed/Typed Name Carlos Cardenas				Signature <i>[Signature]</i>		Date Month Day Year 09 17 20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
Printed/Typed Name							
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Alison Shields				Signature <i>[Signature]</i>		Date Month Day Year 9 17 20	

W
Graham Facility
1820 W. Graham Road
Mediast Management 99022

Original
Ticket# 622202
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/17/2020 Vehicle# carlos
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201313531

	Time	Scale	Operator	Inbound	Gross	
In	09/17/2020 08:55:13	Scale1	ashield2		Tare	73640 lb
Out	09/17/2020 09:11:45	Scale1	ashield2		Net	40000 lb
					Tons	33640 lb
						16.82

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	16.82	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	16.82	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS For Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

SPR 1501913405-019

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID Number WAD009067281		Manifest Document No. KTDBC-015		2. Page 1 of 1	
3. Generator's Mailing Address Kaiser Aluminum PO Box 15108 Spokane Valley WA 99215 (509) 927-6219				Site Address: 15000 E Euclid Ave PO Box 15108 Spokane Valley, WA 99215			
4. Generator's Phone () (509) 927-6219				ATTN: Brett Pitcher			
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID (761) 792-5000			
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone			
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		C. State Transporter's ID			
				D. Transporter 2 Phone			
				E. State Facility's ID			
				F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION MATERIAL NOT REGULATED BY DOT				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a.				2 cm		200/12 Tons	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115430WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# 201312568				EMERGENCY PHONE # (800) 483-3718 GENERATOR: Kaiser Aluminum			
11.95 Tons							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
on Behalf of Kaiser						Date	
Printed/Typed Name John Bushnell				Signature <i>[Signature]</i>		Month Day Year 9/17/20	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name Tim Hayward				Signature <i>[Signature]</i>		Month Day Year 9/17/20	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Alison Weider						Date Month Day Year 9/17/20	
Signature <i>[Signature]</i>							

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



W
Graham Facility
1820 Graham Road
Mediapolis, IA 52241-9022

Original
Ticket# 622241
Ph: (509) 244-0151

9/17
Manifest # 15

Customer Name CLEAN HARBORS PROFILE 11 Carrier CLEAN CLEAN HARBORS
Ticket Date 09/17/2020 Vehicle# TIM
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001852
Destination Grid
Manifest 115430WA
Profile 115430WA (LF01 - Drying Bed Solids)
Generator WA-KAISER ALUMINUM SPOKANE KAISER ALUMINUM 15000 E EUCLID SPOKANE VALLEY WA
PO# 201312568

	Time	Scale	Operator	Inbound	Gross	
In	09/17/2020 12:30:46	Scale1	ashield2		Tare	71840 lb
Out	09/17/2020 13:16:11	Scale1	ashield2		Net	47940 lb
					Tons	23900 lb
						11.95

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Cont Soil Pet-RGC-Tons-	100	11.95	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHDI-Spokane Regional	100	11.95	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

ASPR Tim

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

WM
Graham Facility
1820 S. Graham Road.
Medi ~~WASTE MANAGEMENT~~ 9022

Original
Ticket# 622594
Ph: (509)244-0151

K MCLP-0

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/22/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201313536

	Time	Scale	Operator	Inbound	Gross	
In	09/22/2020 13:36:14	Scale1	ashield2		Tare	69980 lb
Out	09/22/2020 13:50:35	Scale1	ashield2		Net	39480 lb
					Tons	30500 lb
						15.25

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	15.25	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	15.25	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature *AS for Carlos*

The total amount includes fees and taxes that may not all be listed on this ticket due to limitation.

Waste Management Facility
1820 W. Ham Road
Mediaville, OH 44130-9022

Original
Ticket# 622568

Kmlp-010

Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C
Ticket Date 09/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201313535

Carrier CLEAN CLEAN HARBORS
Vehicle# carlos
Container
Driver
Check#
Billing# 0001847
Grid

	Time	Scale	Operator	Inbound	Gross	
In	09/22/2020 11:05:36	Scale1	ashield2		Tare	71200 lb
Out	09/22/2020 11:17:12	Scale1	ashield2		Net	39680 lb
					Tons	31520 lb
						15.76

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	15.76	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	15.76	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature AS Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-006

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP. 016		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Med WA 99021				Site Address : SAME			
4. Generator's Phone: (509) 927-8554							
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID			
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (781) 792-5000			
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medial Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		C. State Transporter's ID			
				D. Transporter 2 Phone			
				E. State Facility's ID			
				F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit WL/Vol.	
a. NOT REGULATED BY DOT				01 DT		020 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201313535				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name MICHAEL A. MURPHY				Signature <i>[Signature]</i>		Date Month Day Year 09 22 20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		Date Month Day Year 09 22 20	
Printed/Typed Name Carlos Cardenas				Signature <i>[Signature]</i>		Date Month Day Year 09 22 20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
Printed/Typed Name							
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Alison Shields				Signature <i>[Signature]</i>		Date Month Day Year 9 22 20	

WM
Granite Facility
1820 Main Road
Medicine Lake, NE 69022

Ph: (509) 244-0151

Original
Ticket# 622568

Kmlp-010

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/22/2020 Vehicle# carlos
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201313535

	Time	Scale	Operator	Inbound	Gross	
In	09/22/2020 11:05:36	Scale1	ashield2		Tare	71200 lb
Out	09/22/2020 11:17:12	Scale1	ashield2		Net	39680 lb
					Tons	31520 lb
						15.76

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	15.76	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	15.76	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS For Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-006

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-017	2. Page 1 of 1
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address : SAME	
4. Generator's Phone (509) 927-8554					
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID	
				B. Transporter 1 Phone (781) 792-5000	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID	
				D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID	
				F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION			Containers		13. Total Quantity
			No.	Type	
a. NOT REGULATED BY DOT			01	DT	020
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above 11a.115434WA			H. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information Disposal PO# W201313536			EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum		
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name William Montgomery			Signature <i>[Signature]</i>		Date 09/22/20
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name Carlos Cardenas			Signature <i>[Signature]</i>		Date 09/22/20
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name			Signature		Date
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.					
Printed/Typed Name Austin Shields			Signature <i>[Signature]</i>		Date 9/22/20



NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

WM
1820
Medicine

Original
Ticket# 622594

KMLP-017

Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/22/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201313536

	Time	Scale	Operator	Inbound	Gross	
In	09/22/2020 13:36:14	Scale1	ashield2		Tare	69980 lb
Out	09/22/2020 13:50:35	Scale1	ashield2		Net	39480 lb
					Tons	30500 lb
						15.25

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	15.25	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	15.25	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS for Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-006

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-018		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address : SAME			
4. Generator's Phone (509) 927-6554							
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID		B. Transporter 1 Phone (761) 792-5000	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID		F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
a. NOT REGULATED BY DOT				No. Type		14. Unit Wt./Vol.	
				01 DT		020 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201313537				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery on behalf of				Signature <i>William Montgomery</i>		Date Month Day Year 09/22/20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Carlos Cardenas</i>		Date Month Day Year 09/22/20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.				Signature <i>Alison Shields</i>		Date Month Day Year 9/23/20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

WM
1820
Medicine Lake, ID 83290

Original
Ticket# 622643
Ph: (509)244-0151

Km/p-018

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/23/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201313537

	Time	Scale	Operator	Inbound	Gross	
In	09/23/2020 08:35:16	Scale1	ashield2		Tare	80320 lb
Out	09/23/2020 08:46:51	Scale1	ashield2		Net	40100 lb
					Tons	40220 lb
						20.11

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	20.11	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	20.11	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

ASH Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-006

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-019		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address : SAME			
4. Generator's Phone (509) 927-8554							
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID			
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (781) 792-5000			
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		C. State Transporter's ID			
				D. Transporter 2 Phone			
				E. State Facility's ID			
				F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit WL/Vol.	
a. NOT REGULATED BY DOT				01 DT		020 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201315867				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery on behalf of				Signature <i>William Montgomery</i>		Date Month Day Year 09/23/20	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name Timothy Hayward				Signature <i>Timothy Hayward</i>		Date Month Day Year 09/23/20	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Alison Shields				Signature <i>Alison Shields</i>		Date Month Day Year 9/23/20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

WMA
Grain Facility
1820 Ham Road
Medicine Lake, NE 69022

Original
Ticket# 622670
Ph: (509)244-0151

Km/p - 019

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/23/2020 Vehicle# tim
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201315867

	Time	Scale	Operator	Inbound	Gross	
In	09/23/2020 10:49:06	Scale1	ashield2		Tare	73020 lb
Out	09/23/2020 11:05:42	Scale1	ashield2		Net	40800 lb
					Tons	32220 lb
						16.11

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	16.11	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	16.11	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R-TIM

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

(Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-006

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-020		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address : SAME			
4. Generator's Phone (509) 927-6554		5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		B. Transporter 1 Phone (761) 792-5000	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID		D. Transporter 2 Phone	
				F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION a. NOT REGULATED BY DOT				Containers		13. Total Quantity	14. Unit Wt./Vol.
				No.	Type		
				01	DT	020	T
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201315868				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> 16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations. </div>							
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature		Date	
				William Montgomery on behalf of		9 23 20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date	
				Carlos Carenas		9 23 20	
19. Discrepancy Indication Space				Signature		Date	
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.				Signature		Date	
				Aaron Shields		9 23 20	

Waste Management
18200 Ham Road
Medley, WA 99022

Original
Ticket# 622679
Ph: (509)244-0151

Km/p-020

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/23/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201315868

	Time	Scale	Operator	Inbound	Gross	
In	09/23/2020 11:15:30	Scale1	ashield2		Tare	82880 lb
Out	09/23/2020 11:26:10	Scale1	ashield2		Net	39900 lb
					Tons	42980 lb
						21.49

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	21.49	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	21.49	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

ASR-Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-006

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-021	2. Page 1 of 1
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address : SAME	
4. Generator's Phone (509) 927-8554					
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID	
				B. Transporter 1 Phone (781) 792-5000	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID	
				D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID	
				F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION				Containers	
				No.	Type
a. NOT REGULATED BY DOT				01	DT
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above	
15. Special Handling Instructions and Additional Information Disposal PO# W201315869				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum	
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name William Montgomery on behalf of				Signature <i>[Signature]</i> Date Month Day Year 9 23 20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date	
Printed/Typed Name Timothy Hayward				Signature <i>[Signature]</i> Date Month Day Year 9 23 20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date	
Printed/Typed Name				Signature Date Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.					
Printed/Typed Name				Signature <i>[Signature]</i> Date Month Day Year 9 23 20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

WMA
Gran...
1820...
Medi...

Original
Ticket# 622709
Ph: (509)244-0151

Km(P-021

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN HARBORS
Ticket Date 09/23/2020 Vehicle# TIM
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# 201315869

	Time	Scale	Operator	Inbound	Gross	
In	09/23/2020 14:21:41	Scale1	fbaxter		Tare	75440 lb
Out	09/23/2020 14:32:18	Scale1	fbaxter		Net	40680 lb
					Tons	34760 lb
						17.38

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	17.38	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				
3 SRHD1-Spokane Regional	100	17.38	Tons				

Total Tax/Fees
Total Ticket

Driver's Signature

FB

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-006

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-022		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address : SAME			
4. Generator's Phone (509) 927-8554							
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID			
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (761) 792-5000			
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		C. State Transporter's ID			
				D. Transporter 2 Phone			
				E. State Facility's ID			
				F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. NOT REGULATED BY DOT				21 DT		020 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201315870				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery on behalf of				Signature <i>William Montgomery</i>		Date Month Day Year 9 23 20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Carlos Carreaga</i>		Date Month Day Year 9 23 20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature <i>James B...</i>		Date Month Day Year 9 23 20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

KMLP-022

Granite City
1820
Medicine

Original
Ticket# 622717

Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN HARBORS
Ticket Date 09/23/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# 201315870

Time	Scale	Operator	Inbound	Gross	81660 lb
In 09/23/2020 15:11:06	Scale1	fbaxter		Tare	40020 lb
Out 09/23/2020 15:35:19	Scale1	fbaxter		Net	41640 lb
				Tons	20.82

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	20.82	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	20.82	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

FB

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

SPK 2004296025-006

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-024		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address:			
4. Generator's Phone (509) 927-6554							
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID		B. Transporter 1 Phone (714) 792-5000	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID		F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit WT./Vol.	
a. NOT REGULATED BY DOT				01 DT		020 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201315872				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery on behalf of				Signature <i>William Montgomery</i>		Date Month Day Year 9 24 20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Jim Hayward</i>		Date Month Day Year 9 24 20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.				Signature <i>Shawn Shields</i>		Date Month Day Year 9 25 20	

Waste Management
1820 W. Main Road
Medicine Hat, Alberta T1A 8P2

Original
Ticket# 622843
Ph: (509) 244-0151

kmlp-024

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/25/2020 Vehicle# TIM
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201315872

	Time	Scale	Operator	Inbound	Gross	
In	09/25/2020 08:35:28	Scale1	ashield2		Tare	35540 lb
Out	09/25/2020 08:47:26	Scale1	ashield2		Net	25320 lb
					Tons	12.66

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	12.66	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	12.66	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

JS R-TM

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

SPK 2004296025-006

Please print or type (Form designed for use on eight (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document # KMLP-026		2. Page 1 of 1	
3. Generator's Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021 (509) 927-8554				4. Generator's Phone ()			
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.				6. US EPA ID Number MAD039522250			
7. Transporter 2 Company Name				8. US EPA ID Number			
9. Waste Management Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022				10. US EPA ID Number TXNOTREORD31			
				A. State Transporter's ID (791) 792-8000			
				B. Transporter 1 Phone			
				C. State Transporter's ID			
				D. Transporter 2 Phone			
				E. State Facility's ID (509) 244-0151			
11. WASTE DESCRIPTION NOT REGULATED BY DOT				Containers No. Type		13. Total Quantity	
a.				01 DT		020 T	
b.							
c.							
d.							
G. 119-119-184 WA Materials Listed Above				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal POF W201315874				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery on behalf of				Signature <i>William Montgomery</i>		Date Month Day Year 9/24/20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Carlos Cardenas</i>		Date Month Day Year 9/12/20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.				Signature <i>Alan Shields</i>		Date Month Day Year 9/25/20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



WM Facility
1820 Ham Road,
Mediwahtle, MN 55042-9022

Original
Ticket# 622841
Ph: (509)244-0151

KmLP-026

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/25/2020 Vehicle# carlos
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201315874

	Time	Scale	Operator	Inbound	Gross	76640 lb
In	09/25/2020 08:22:41	Scale1	ashield2		Tare	39640 lb
Out	09/25/2020 08:33:17	Scale1	ashield2		Net	37000 lb
					Tons	18.50

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	18.50	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	18.50	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature AS For Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-027		2. Page 1 of 1	
3. Generator's Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021 (509) 927-8554				4. Generator's Phone ()			
5. Transporter's Name Clean Harbors Environmental Services, Inc.				6. State Transporter's ID MAD03902250			
7. Transporter 2 Company Name				8. US EPA ID Number			
9. Waste Management 1820 S. Graham Rd Medical Lake, WA 99022				10. US EPA ID Number TXNOTREORD31			
11. WASTE DESCRIPTION NOT REGULATED BY DOT				Containers No. Type		13. Total Quantity	
a.				01 DT		020	
b.							
c.							
d.							
G. Identification of Materials Listed Above 118.115-04 WA				H. Handling Codes for Wastes Listed Above			
15. Disposal Unit or Facility Information Disposal Unit W201315875				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery on behalf of				Signature <i>William Montgomery</i>		Date Month Day Year 9 25 20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Carlos Cardenas</i>		Date Month Day Year 9 25 20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature <i>[Signature]</i>		Date Month Day Year	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



WM
Grain Facility
18200 Ham Road
Mediowest Management 89022

Original
Ticket# 622874
Ph: (509) 244-0151

Km/p-027

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN HARBORS
Ticket Date 09/25/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 1
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201315875

	Time	Scale	Operator	Inbound	Gross	
In	09/25/2020 11:18:46	Scale1	sharrin5		Tare	79420 lb
Out	09/25/2020 11:30:29	Scale1	sharrin5		Net	39900 lb
					Tons	39520 lb
						19.76

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.76	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				
3 SRHD1-Spokane Regional	100	19.76	Tons				

Total Tax/Fees
Total Ticket

Driver's Signature

SH For Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

SPK 2004298025-005

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP 029		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Med WA 99021				Site Address : SAME			
4. Generator's Phone (509) 927-8554							
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID			
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (781) 792-5000			
				C. State Transporter's ID			
				D. Transporter 2 Phone			
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID			
				F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit WT./Vol.	
a. NOT REGULATED BY DOT				01 DT		020 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201315876				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> 16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations. </div>							
Printed/Typed Name William Montgomery on behalf of				Signature <i>William Montgomery</i>		Date Month Day Year 9 25 20	
17. Transporter 1 Acknowledgement or Receipt of Materials							
Printed/Typed Name Tim Hayward				Signature <i>Tim Hayward</i>		Date Month Day Year 9 25 20	
18. Transporter 2 Acknowledgement or Receipt of Materials							
Printed/Typed Name				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Aaron Shields				Signature <i>Aaron Shields</i>		Date Month Day Year 9 25 20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



WMA
Grain Facility
1820 Ham Road
Mediway, ID 83402

Original
Ticket# 622884
Ph: (509)244-0151

KmLP-028

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/25/2020 Vehicle# TIM
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201315876

	Time	Scale	Operator	Inbound	Gross	
In	09/25/2020 11:53:26	Scale1	ashield2		Tare	68540 lb
Out	09/25/2020 12:19:20	Scale1	ashield2		Net	35320 lb
					Tons	33220 lb
						16.61

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	16.61	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	16.61	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R-Tim

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

(Form designed for use on 11x17 (12 pitch) typewriter)

SPK 2004296025-006

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

KMP-029

2. Page 1 of 1

3. Generator's Name and Mailing Address

Kaiser Aluminum
2111 E Hawthorn RD
Med WA 99021

Site Address
SAME

4. Generator's Phone
(509) 927-8554

5. Transporter 1 Company Name

Clean Harbors Environmental Services, Inc.

8. US EPA ID Number

MAD039322250

A. State Transporter's ID

B. Transporter 1 Phone (701) 792-5000

C. State Transporter's ID

D. Transporter 2 Phone

E. State Facility's ID

7. Transporter 2 Company Name

9. US EPA ID Number

10. US EPA ID Number

11. Designated Facility Name and Site Address

Waste Management - Graham Road
1820 S. Graham Rd
Medical Lake, WA 99022

TXNOTREORD31

F. Facility's Phone

(509) 244-0151

11. WASTE DESCRIPTION

Containers

No.

Type

13. Total Quantity

14. Unit Wt./Vol.

a. NOT REGULATED BY DOT

01 PT 020 J

13. Additional Descriptions for Materials Listed Above

11a.115434WA

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Disposal PON W201315877

EMERGENCY PHONE #: (800) 483-3718

GENERATOR: Kaiser Aluminum

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name

William Montgomery on behalf of

Signature

W. Montgomery

Date
Month Day Year
9 25 20

Printed/Typed Name

Carbs Gardens

Signature

Carbs Gardens

Date
Month Day Year
9 25 20

Printed/Typed Name

19. Discrepancy Indication Space

Signature

Carbs Gardens

Date
Month Day Year
9 25 20

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name

Alison Shields

Signature

Alison Shields

Date
Month Day Year
9 25 20

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

Km/p-029

Waste Management
 Facility
 1820
 Medical Center Road
 9022

Original
 Ticket# 622907

Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
 Ticket Date 09/25/2020 Vehicle# carlos
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Route Check#
 Hauling Ticket# Billing# 0001847
 Destination Grid
 Manifest 115434wa
 Profile 115434WA (LF01 - Sediment)
 Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
 PO# w201315877

Time							
In	09/25/2020	14:38:06	Scale	Operator	Inbound	Gross	75900 lb
Out	09/25/2020	14:48:35	Scale1	ashield2		Tare	40060 lb
			Scale1	ashield2		Net	35840 lb
						Tons	17.92

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	17.92	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	17.92	Tons				SPOKANE

Total Tax/Fees
 Total Ticket

Driver's Signature AS R Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

Waste Management
18200 W. Ham Road
Mediaville, OH 44130

Ph: (509) 244-0151

Original
Ticket# 622950

K/MOP-030

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN HARBORS
Ticket Date 09/28/2020 Vehicle# TIM
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# 201315878

	Time	Scale	Operator	Inbound	Gross	
In	09/28/2020 08:19:34	Scale1	fbaxter		Tare	72140 lb
Out	09/28/2020 08:48:09	Scale1	fbaxter		Net	35340 lb
					Tons	36800 lb
						18.40

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	18.40	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	18.40	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

FB

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. SPK 2004296025		Manifest Document No. KMLP-030		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Med WA 99021				Site Address : KMLP			
4. Generator's Phone 509-847-8554							
5. Transporter 1 Company Name Clean Harbors Environmental Services Inc		6. US EPA ID Number MAD039322250		A. State Transporter's ID		B. Transporter 1 Phone (701) 792-5000	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID		F. Facility's Phone 509-244-0151	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. NOT REGULATED BY DOT				01 DT		020 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal POW W201315878				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery on behalf of				Signature <i>[Signature]</i>		Date Month Day Year 9 25 20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		Date Month Day Year 9 25 20	
Printed/Typed Name Tim Hayward				Signature		Date Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
Printed/Typed Name				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature <i>[Signature]</i>		Date Month Day Year 9 28 20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



WMA
Grain Facility
18200 W. Main Road
Medicine Hat, Alberta T1A 8P9

Original
Ticket# 622989
Ph: (509) 244-0151

Km/p-031

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN HARBORS
Ticket Date 09/28/2020 Vehicle# JEFF
Payment Type Credit Account Container
Manual Ticket# Driver JEFF
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# 201317018

Time	Scale	Operator	Inbound	Gross	
In 09/28/2020 11:35:09	Scale1	fbaxter		Tare	71080 lb
Out 09/28/2020 11:50:18	Scale1	fbaxter		Net	39880 lb
				Tons	31200 lb
					15.60

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	15.60	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	15.60	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

FB

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

SPK 2004296025-006

Please print or type

(Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document # KMLP-031		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021 4. Generator's Phone (509) 927-6554				5. Site Address : SAME			
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID (701) 792-5880		B. Transporter 1 Phone	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID		F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
a. NOT REGULATED BY DOT				No. Type		14. Unit WL/Vol.	
				01 DT 020		T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PON W201317018				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
10. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery on behalf of				Signature <i>[Signature]</i>		Date Month Day Year 9 28 20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		Date Month Day Year 9 28 20	
Printed/Typed Name Jeff Solomon				Signature <i>[Signature]</i>		Date Month Day Year 9 28 20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
Printed/Typed Name				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature <i>[Signature]</i>		Date Month Day Year 9 28 20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



WM
Grain Facility
1820 Ham Road
Medi... 9022

Original
Ticket# 623001
Ph: (509)244-0151

Km/p-032

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN HARBORS
Ticket Date 09/28/2020 Vehicle# TIM
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# 201317019

Time	Scale	Operator	Inbound	Gross	
In 09/28/2020 12:19:33	Scale1	FBAXTER		Tare	67060 lb
Out 09/28/2020 12:34:00	Scale1	sharrin5		Net	35600 lb
				Tons	31460 lb
					15.73

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	15.73	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				
3 SRHD1-Spokane Regional	100	15.73	Tons				

Total Tax/Fees
Total Ticket

Driver's Signature

SH for Tim

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

SPK 2004286025-006

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-032		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address :			
				SAME			
4. Generator's Phone (509) 927-6554		5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		B. Transporter 1 Phone (781) 792-5000	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID		D. Transporter 2 Phone	
				F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		Unit	
a. NOT REGULATED BY DOT				01 DT		020 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201317019				EMERGENCY PHONE #: (800) 433-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery on behalf of				Signature <i>W. Montgomery</i>		Date Month Day Year 9/28/20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Tim Hayward</i>		Date Month Day Year 9/28/20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date	
Printed/Typed Name				Signature		Date	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature <i>James E. B...</i>		Date Month Day Year 9/28/20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

WM
Grain Facility
1820 Ham Road
Medi... 9022

Original
Ticket# 623050
Ph: (509)244-0151

Km/p-033

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN HARBORS
Ticket Date 09/28/2020 Vehicle# JEFF
Payment Type Credit Account Container
Manual Ticket# Driver JEFF
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# 201317020

Time	Scale	Operator	Inbound	Gross	
In 09/28/2020 15:27:45	Scale1	FBAXTER		Tare	79100 lb 39840 lb
Out 09/28/2020 15:38:59	Scale1	FBAXTER		Net	39260 lb
				Tons	19.63

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.63	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				
3 SRHD1-Spokane Regional	100	19.63	Tons				

Total Tax/Fees
Total Ticket

Driver's Signature

FS

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-006

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-033		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address : SAME			
4. Generator's Phone (509) 927-8554							
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID			
				B. Transporter 1 Phone (781) 792-5000			
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID			
				D. Transporter 2 Phone			
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID			
				F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type			
a. NOT REGULATED BY DOT				01 DT		020	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201317020				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> 16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations. </div>							
Printed/Typed Name William Montgomery on behalf of				Signature <i>[Signature]</i>		Date Month Day Year 9 28 20	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name Jeff Solomon				Signature <i>[Signature]</i>		Date Month Day Year 9 28 20	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature <i>[Signature]</i>		Date Month Day Year 9 28 20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE MANIFEST

SPK 2004296025-006

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-035	2. Page 1 of 1
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021		Site Address : SAME			
4. Generator's Phone (509) 927-8554					
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.	6. US EPA ID Number MAD039322250	A. State Transporter's ID			
		B. Transporter 1 Phone (761) 792-5000			
7. Transporter 2 Company Name	8. US EPA ID Number	C. State Transporter's ID			
		D. Transporter 2 Phone			
9. Designated Facility Name and Site Address Waste Management - Graham Road 1920 S. Graham Rd Medical Lake, WA 99022	10. US EPA ID Number TXNOTREORD31	E. State Facility's ID			
		F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION		Containers No. Type	13. Total Quantity	14. Unit WL/Vol.	
a. NOT REGULATED BY DOT		01 DT	020	J	
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above 11a.115434WA		H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201317022		EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
<div style="border: 2px solid black; padding: 5px; margin: 10px auto; width: 80%;"> 16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations. </div>					
Printed/Typed Name William Montgomery on behal/Sol		Signature <i>[Signature]</i>		Date Month Day Year 9 25 20	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>[Signature]</i>		Date Month Day Year 9 25 20	
Printed/Typed Name Jeff Sobmen		Signature		Date Month Day Year 9 25 20	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date Month Day Year	
Printed/Typed Name		Signature		Date Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.					
Printed/Typed Name Alison Shields		Signature <i>[Signature]</i>		Date Month Day Year 9 29 20	

WM
1821
Medi

Original
Ticket# 623097

PH: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/29/2020 Vehicle# Jeff
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LP01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201317022

Time	Scale	Operator	Inbound	Gross	
In 09/29/2020 10:01:48	Scale1	ashield2		Tare	88120 lb
Out 09/29/2020 10:17:33	Scale1	ashield2		Net	40140 lb
				Tons	47980 lb
					23.99

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	23.99	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHDI-Spokane Regional	100	23.99	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS Pr Jeff

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-006

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-036-02	2. Page 1 of 1
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021		Site Address : SAME			
4. Generator's Phone (509) 927-8554					
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID	
				B. Transporter 1 Phone (701) 792-8000	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID	
				D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID	
				F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION NOT REGULATED BY DOT		Containers		13. Total Quantity	14. Unit Wt./Vol.
		No.	Type		
		01 DT 020 T			
G. Additional Descriptions for Materials Listed Above 11a.115434WA		H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201317023		EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name William Montgomery on behalf of		Signature <i>[Signature]</i>		Date 9/29/20	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name Jim Hayward		Signature <i>[Signature]</i>		Date 9/29/20	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Date	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.					
Printed/Typed Name Alison Shields		Signature <i>[Signature]</i>		Date 9/29/20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

WMA
Grant Facility
18200 Ham Road.

Original
Ticket# 623099

Customer Name	CLEAN HARBORS 115434WA	C	Carrier	CLEAN CLEAN HARBORS
Ticket Date	09/29/2020		Vehicle#	tim
Payment Type	Credit Account		Container	
Manual Ticket#			Driver	
Route			Check#	
Hauling Ticket#			Billing#	0001847
Destination			Grid	
Manifest	115434wa			
Profile	115434WA (LF01 - Sediment)			
Generator	168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA			
EO#	w201317023			

	Time	Scale	Operator	Inbound	Gross	77940 lb
In	09/29/2020 10:06:59	Scale1	ashield2		Tare	35360 lb
Out	09/29/2020 10:33:01	Scale1	ashield2		Net	42580 lb
					Tons	21.29

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	21.29	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	21.29	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

(Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-005

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest
Document No.

2 Page 1

of 1

KMLP-037

3. Generator's Name and Mailing Address

Kaiser Aluminum
2111 E Hawthorn RD
Mead, WA 99021

Site Address :

SAME

4. Generator's Phone

(509) 927-6554

5. Transporter 1 Company Name

Clean Harbors Environmental Services, Inc.

6. US EPA ID Number

MAD039322250

A. State Transporter's ID

B. Transporter 1 Phone

(761) 792-6000

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address

Waste Management - Graham Road
1820 S. Graham Rd
Medical Lake, WA 99022

10. US EPA ID Number

TXNOTREORD31

E. State Facility's ID

F. Facility's Phone

(509) 244-0151

11. WASTE DESCRIPTION

Containers

No.

Type

13.
Total
Quantity

14.
Unit
Wt./Vol.

a. NOT REGULATED BY DOT

01 DT 020

T

b.

c.

d.

G. Additional Descriptions for Materials Listed Above

11a.115434WA

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Disposal PON W201317024

EMERGENCY PHONE #: (800) 483-3718

GENERATOR: Kaiser Aluminum

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Date

Printed/Typed Name

William Montgomery on behalf of

Signature

W. Montgomery

Month Day Year
9 12 20

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Jeff Salmon

Signature

Jeff Salmon

Month Day Year
9 12 20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Date

Printed/Typed Name

Alison Shields

Signature

Alison Shields

Month Day Year
9 12 20

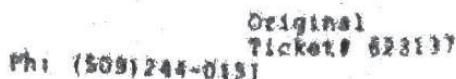
NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY





Time	Scale	Operator	Inbound	Gross	
In 03/29/2020 12:48:07	Scale1	ashield2			83220 18
				Tare	39940 18
Out 04/29/2020 12:59:14	Scale1	ashield2		Net	43280 18
				Totals	21.64

Product	LD#	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	21.64	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100						SPOKANE
3 SRHD1-Spokane Regional	100	21.64	Tons				SPOKANE

Driver's Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. SPK 2004286075		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Medall Lake WA 99021				4. Generator's Phone (509) 627-8554	
5. Transporter 1 Company Name Green House Environmental Services, Inc.				6. US EPA ID Number MAD039322250	
7. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medall Lake WA 99022				8. US EPA ID Number TXNOTREORD31	
9. Waste Description NOT REGULATED BY DOT				10. US EPA ID Number TXNOTREORD31	
11. WASTE DESCRIPTION				12. Container No. Type Total Quantity Unit	
a. NOT REGULATED BY DOT				01 DT 020 T	
b.					
c.					
d.					
13. Additional Descriptions for Materials Listed Above 11a 115434WA				14. Handling Codes for Wastes Listed Above	
15. Special Handling Instructions and Additional Information Disposal PON W201317025					
EMERGENCY PHONE #: (800) 483-3719 GENERATOR: Kaiser Aluminum					
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name William Montgomery on behalf of				Signature <i>W. Montgomery</i>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date 9/25/20	
Printed/Typed Name Tim Hayward				Signature <i>Tim Hayward</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date 9/25/20	
Printed/Typed Name				Signature	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.					
Printed/Typed Name Austin Shields				Signature <i>A. Shields</i>	
				Date 9/25/20	

WM
Grain Facility
1820 Ham Road
Medi WASTE MANAGEMENT 9022

Original
Ticket# 623155
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/29/2020 Vehicle# TIM
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201317025

	Time	Scale	Operator	Inbound	Gross	
In	09/29/2020 14:08:25	Scale1	ashield2		Tare	70060 lb 35300 lb
Out	09/29/2020 14:20:18	Scale1	ashield2		Net	34760 lb
					Tons	17.38

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	17.38	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	17.38	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS 27im

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-006

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-046	2. Page 1 of 1
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021		Site Address : SAME			
4. Generator's Phone (509) 927-6554		6. US EPA ID Number MAD039322250		A. State Transporter's ID	
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		8. US EPA ID Number		B. Transporter 1 Phone (761) 792-5000	
7. Transporter 2 Company Name		10. US EPA ID Number TXNOTREORD31		C. State Transporter's ID	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022				D. Transporter 2 Phone	
				E. State Facility's ID	
				F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION		Containers No. Type		13. Total Quantity	14. Unit Wt./Vol.
a. NOT REGULATED BY DOT		01 DT		18	J
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above 11a.115434WA		H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201317033 18.28 Tons		EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name		Signature		Date	
William Montgomery on behalf of		<i>William Montgomery</i>		9 30 20	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Date	
Tim Hayward		<i>Tim Hayward</i>		9 30 20	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.					
Printed/Typed Name		Signature		Date	
Alison Shields		<i>Alison Shields</i>		10 1 20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

45

Waste Management Facility
1820 W. Ham Road
Medi WASTE MANAGEMENT 9022

Original
Ticket# 623317
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/01/2020 Vehicle# tim
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201317033

	Time	Scale	Operator	Inbound	Gross	
In	10/01/2020 09:28:00	Scale1	ASHIELD2		Tare	72180 lb 35620 lb
Out	10/01/2020 09:39:08	Scale1	ASHIELD2		Net	36560 lb
					Tons	18.28

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	18.28	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	18.28	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS HVTIM

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

SPK 2004296025-006

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-047		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address : SAME			
4. Generator's Phone (509) 927-8554							
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID		B. Transporter 1 Phone (761) 792-5000	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID		F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. NOT REGULATED BY DOT				01 DT		19 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201317034				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
19.03 Tons							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery				Signature <i>William Montgomery</i>		Date Month Day Year 9 30 20	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name Alan Cadenas				Signature <i>Alan Cadenas</i>		Date Month Day Year 9 30 20	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Alison Shields				Signature <i>Alison Shields</i>		Date Month Day Year 10 1 20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

Waste Management Facility
18200 W. Ham Road
Mediaville, OH 44130
WASTE MANAGEMENT 9022

Original
Ticket# 623305
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/01/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201317034

	Time	Scale	Operator	Inbound	Gross	
In	10/01/2020 08:27:52	Scale1	ASHIELD2		Tare	77920 lb 39860 lb
Out	10/01/2020 08:40:52	Scale1	ASHIELD2		Net	38060 lb
					Tons	19.03

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.03	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	19.03	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

SPK 2004296025-006

Please print or type

(Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document # KMLP-048		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021 4. Generator's Phone (509) 927-8554				5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.			
6. US EPA ID Number MAD039322250				A. State Transporter's ID (701) 792-5000			
7. Transporter 2 Company Name				B. Transporter 1 Phone			
8. US EPA ID Number				C. State Transporter's ID			
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022				D. Transporter 2 Phone			
10. US EPA ID Number TXNOTREORD31				E. State Facility's ID			
				F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. NOT REGULATED BY DOT				01 DT		020 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201317035 20.13 Tons				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery				Signature <i>[Signature]</i>		Date Month Day Year 9 13 20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		Date Month Day Year 9 13 20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		Date Month Day Year 9 13 20	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.							
Printed/Typed Name Alison Shields				Signature <i>[Signature]</i>		Date Month Day Year 10 11 20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

47

Waste Management
Grand Valley Facility
18200 Grand Valley Road
Medina, WA 99022

Original
Ticket# 623315
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/01/2020 Vehicle# jeff
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201317035

	Time	Scale	Operator	Inbound	Gross	
In	10/01/2020 09:08:57	Scale1	ASHIELD2		Tare	82720 lb 42460 lb
Out	10/01/2020 09:17:39	Scale1	ASHIELD2		Net	40260 lb
					Tons	20.13

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	20.13	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	20.13	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS for Jeff

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

(Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-006

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-049		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address : SAME			
4. Generator's Phone (509) 927-8554							
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID		B. Transporter 1 Phone (781) 792-5000	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID		F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. NOT REGULATED BY DOT				01 DT		020 J	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201317036				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.				Date			
				Month Day Year 10 1 20			
17. Transporter 1 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name William Montgomery on behalf of				Signature <i>William Montgomery</i>		Month Day Year 10 1 20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name Carlos Cardenas				Signature <i>Carlos Cardenas</i>		Month Day Year 10 1 20	
19. Discrepancy Indication Space				Date			
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.				Date			
Printed/Typed Name Austin Shields				Signature <i>Austin Shields</i>		Month Day Year 10 1 20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

48

Waste Management
Grain Processing Facility
1820 W. Main Road
Mediaville, OH 44130-0022

Original
Ticket# 623337
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/01/2020 Vehicle# carlos
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201317036

Time	Scale	Operator	Inbound	Gross	
In 10/01/2020 11:08:36	Scale1	ASHIELD2		Tare	80360 lb
Out 10/01/2020 11:23:32	Scale1	ASHIELD2		Net	39920 lb
				Tons	40440 lb
					20.22

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	20.22	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	20.22	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS For Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

SPK 2004296025-006

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-050		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021 4. Generator's Phone (509) 927-6554				5. Site Address : SAME			
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID		B. Transporter 1 Phone (781) 792-5000	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID		F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
a. NOT REGULATED BY DOT				No. Type		14. Unit Wt./Vol.	
				01 DT		22	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201317037				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.				Date			
				Month Day Year 10 1 20			
17. Transporter 1 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name Jeff Salmon				Signature <i>[Signature]</i>			
18. Transporter 2 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name				Signature			
19. Discrepancy Indication Space				Date			
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.				Date			
Printed/Typed Name Alison Shields				Signature <i>[Signature]</i>			
				Month Day Year 10 1 20			

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

49

Waste Management
Grafton Facility
1820 W. Ham Road
Medford, OR 97504
Phone: (509) 244-0151

Original
Ticket# 623349

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/01/2020 Vehicle# jeff
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201317037

	Time	Scale	Operator	Inbound	Gross	
In	10/01/2020 12:06:12	Scale1	ASHIELD2		Tare	85700 lb 42280 lb
Out	10/01/2020 12:36:55	Scale1	FBAXTER		Net	43420 lb
					Tons	21.71

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	21.71	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	21.71	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature



The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

SPK 2004296025-006

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. RMLP-051		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address: SAME			
4. Generator's Phone: (509) 927-6554							
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID		B. Transporter 1 Phone (781) 792-5000	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID		F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. NOT REGULATED BY DOT				01 DT		16 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201317038				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum 15.98 Tons			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery on behalf of				Signature <i>[Signature]</i>		Date Month Day Year 10 1 20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		Date Month Day Year 10 1 20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.				Signature <i>[Signature]</i>		Date Month Day Year 10 1 20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



W
Grain Processing Facility
1820 W. Main Road
Mediavest Management 9022

Original
Ticket# 623360
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/01/2020 Vehicle# TIM
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# 201317038

Time	Scale	Operator	Inbound	Gross	
In 10/01/2020 12:50:11	Scale1	FBAXTER		Tare	67480 lb
Out 10/01/2020 13:00:34	Scale1	ASHIELD2		Net	35520 lb*
		* Manual Weight		Tons	31960 lb
					15.98

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	15.98	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	15.98	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R-TIM

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-006

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-052		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address : SAME			
4. Generator's Phone (509) 927-6554							
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc		6. US EPA ID Number MAD03932250		A. State Transporter's ID			
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (761) 792-5000			
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		C. State Transporter's ID			
				D. Transporter 2 Phone			
				E. State Facility's ID			
				F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. NOT REGULATED BY DOT				01 DT		021 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201317039 21.4 Tons				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery on behalf of						Signature <i>William Montgomery</i>	
						Date Month Day Year 10 1 20	
17. Transporter 1 Acknowledgement of Receipt of Materials						Date	
Printed/Typed Name Carlos Cardenas						Signature <i>Carlos Cardenas</i>	
						Date Month Day Year 10 1 20	
18. Transporter 2 Acknowledgement of Receipt of Materials						Date	
Printed/Typed Name						Signature	
						Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Hoonshneids						Signature <i>Hoonshneids</i>	
						Date Month Day Year 10 1 20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



51

WASTE MANAGEMENT
Grain Processing Facility
18200 Ham Road
Medina, WA 99022

Original
Ticket# 623365
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/01/2020 Vehicle# carlos
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201317039

Time	Scale	Operator	Inbound	Gross	82000 lb
In 10/01/2020 13:27:21	Scale1	ashield2		Tare	39720 lb
Out 10/01/2020 13:38:00	Scale1	ashield2		Net	42280 lb
				Tons	21.14

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	21.14	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	21.14	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS-R Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-006

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-053		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2444 E Hawthorn Rd Mead WA 99021 4. Generator's Phone: (509) 927-8554				Site Address : RAMP			
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID (701) 792-5880		B. Transporter 1 Phone	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID		F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. NOT REGULATED BY DOT				01 DT		020 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201317040 19.66 Tons				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name Michael A. Murphy ON BEHALF OF						Signature <i>[Signature]</i>	
						Date Month Day Year 10 01 20	
17. Transporter 1 Acknowledgement of Receipt of Materials						Date	
Printed/Typed Name Jeff Solomon						Signature <i>[Signature]</i>	
						Month Day Year 10 01 20	
18. Transporter 2 Acknowledgement of Receipt of Materials						Date	
Printed/Typed Name						Signature	
						Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Alison Shuehl						Signature <i>[Signature]</i>	
						Date Month Day Year 10 11 20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

52

W
Grain Facility
1820 W. Ham Road
Medi WASTE MANAGEMENT 9022

Original
Ticket# 623383
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/01/2020 Vehicle# jeff
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201317040

Time	Scale	Operator	Inbound	Gross	
In 10/01/2020 15:12:03	Scale1	ashield2		Tare	81600 lb 42280 lb
Out 10/01/2020 15:24:13	Scale1	ashield2		Net	39320 lb
				Tons	19.66

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.66	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	19.66	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS4RJeff

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. SPK 2004296025-006		Manifest Document No. KMLP-054		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Med WA 99021				Site Address : SAME			
4. Material Name (509) 927-6554		6. US EPA ID Number MAD039322250		A. State Transporter's ID			
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		8. US EPA ID Number		B. Transporter 1 Phone (781) 792-5000			
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medial Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		C. State Transporter's ID			
				D. Transporter 2 Phone			
				E. State Facility's ID			
				F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. NOT REGULATED BY DOT				01 DT		020 16 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201317041 16.18 Tons				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name MICHAEL A. MURPHY						Date 10 01 20	
Signature ON BEHALF OF [Signature]							
17. Transporter 1 Acknowledgement of Receipt of Materials						Date	
Printed/Typed Name Tim Hayward				Signature [Signature]		Month Day Year 10 01 20	
18. Transporter 2 Acknowledgement of Receipt of Materials						Date	
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.						Date	
Printed/Typed Name Alison Shields				Signature [Signature]		Month Day Year 10 1 20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

W
Grand Valley Facility
18200 Grand Valley Road
Medicine Lake, MT 59022

Original
Ticket# 623385
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/01/2020 Vehicle# tim
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201317041

	Time	Scale	Operator	Inbound	Gross	
In	10/01/2020 15:28:50	Scale1	ashield2		Tare	68260 lb 35900 lb
Out	10/01/2020 15:40:00	Scale1	ashield2		Net	32360 lb
					Tons	16.18

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	16.18	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	16.18	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS for Tim

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

W
Grain Facility
1820 W. Ham Road
Medi WASTE MANAGEMENT 9022

Original
Ticket# 623404
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/02/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201317042

	Time	Scale	Operator	Inbound	Gross	
In	10/02/2020 08:13:06	Scale1	ashield2		Tare	78160 lb
Out	10/02/2020 08:26:46	Scale1	ashield2		Net	39940 lb
					Tons	38220 lb
						19.11

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.11	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	19.11	Tons				SPOKANE

Total Tax/Fees
Total Ticket

er's Signature

AR RrCarlos

total amount includes fees and taxes that may not all be listed on this ticket due to
ation.

WMA
Graham Road Facility
1820 S. Graham Road
Medi ~~WASTE MANAGEMENT~~ 99022

Original
Ticket# 623392
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/02/2020 Vehicle# jeff
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201320350

	Time	Scale	Operator	Inbound	Gross	
In	10/02/2020 07:01:34	Scale1	ashield2		Tare	79380 lb
Out	10/02/2020 07:11:05	Scale1	ashield2		Net	42520 lb
					Tons	36860 lb
						18.43

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	18.43	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	18.43	Tons				SPOKANE

Total Tax/Fees
Total Ticket

12 R. Jeff

Graham Road Facility
1820 S. Graham Road
Medi WASTE MANAGEMENT 99022

Ph: (509)244-0151

Original
Ticket# 623418

Customer Name CLEAN HARBORS 115434WA C
Ticket Date 10/02/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201320351

Carrier CLEAN CLEAN HARBORS
Vehicle# jeff
Container
Driver
Check# 0001847
Billing#
Grid

Time
In 10/02/2020 09:13:12 Scale
Out 10/02/2020 09:23:28 Scale1
Operator
ashield2
ashield2

Inbound Gross 78520 lb
Tare 42500 lb
Net 36020 lb
Tons 18.01

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	18.01	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	18.01	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS K. Jeff

The total amount includes fees and taxes that may not all be listed on this ticket d
limitation.

WASTE MANAGEMENT
1820 W. Main Road
Facility 9022

Customer Name CLEAN HARBORS
Ticket Date 10/02/2020
Payment Type Credit Account
Manual Ticket# 115434WA C
Route 115434wa
Hauling Ticket# 115434WA (LF01 - Sediment)
Destination ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
Manifest 168-KAISER
Profile w201320355
Generator PO#

Ph: (509)244-0151
Original Ticket# 623467
Carrier CLEAN CLEAN HARBORS
Vehicle# jeff
Container
Driver
Check#
Billing# 0001847
Grid

In Time 10/02/2020 14:11:46 Scale
Out 10/02/2020 14:20:12 Scale1
Comments

Operator
ashield2
ashield2

Inbound	Gross	71860 lb
	Tare	42360 lb
	Net	29500 lb
	Tons	14.75

Product

LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
Spwaste Solid Oth-Tons-	100					
EVF-P6-Environmental Fe	100	14.75	Tons			SPOKANE
SRHD1-Spokane Regional	100	14.75	% Tons			SPOKANE SPOKANE

Total Tax/Fees
Total Ticket

Signature

[Handwritten Signature]

amount includes fees and taxes that may not all be listed on this ticket due to t

1820 Facility
Mediham Road
WASTE MANAGEMENT 9022

Original
Ticket# 623446

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/02/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201320352
PH: (509)244-0151
Vehicle# JEFF
Container
Driver
Check# 0001847
Billing#
Grid

Time
In 10/02/2020 11:21:56 Scale
Out 10/02/2020 11:31:20 Scale1
Scale1
Scale1

Operator
ashield2
ashield2

Inbound Gross 73040 lb
Tare 42300 lb
Net 30740 lb
Tons 15.37

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100						SPOKANE
2 EVF-P6-Environmental Fe	100	15.37	Tons				SPOKANE
3 SRHD1-Spokane Regional	100		%				SPOKANE
		15.37	Tons				

Total Tax/Fees
Total Ticket

r's Signature *ASHIELD*

otal amount includes fees and taxes that may not all be listed on this ticket due to technic
tion.

WM Facility
 1820 Ham Road
 Medi: WASTE MANAGEMENT 0022

Original
 Ticket# 623461
 Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C
 Ticket Date 10/02/2020
 Payment Type Credit Account
 Manual Ticket#
 Route
 Hauling Ticket#
 Destination 115434wa
 Manifest 115434WA (LF01 - Sediment)
 Profile 168-KAISER ALUMINUM INVESTMENT
 Generator w201320354
 PO#

Carrier CLEAN CLEAN HARBORS
 Vehicle# carlos
 Container
 Driver
 Check#
 Billing# 0001847
 Grid

Time
 In 10/02/2020 13:33:14 Scale1
 Out 10/02/2020 13:49:49 Scale1

Operator
 ashield2
 ashield2

Inbound
 Gross
 Tare
 Net
 Tons

78300 lb
 39780 lb
 38520 lb
 19.26

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.26	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	19.26	Tons				SPOKANE

Total Tax/Fees
 Total Ticket

Driver's Signature

AS R Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to te limitation.

Waste Management
S. Graham Road
99022

Original
Ticket# 623436
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/02/2020 Vehicle# carlos
Payment Type Credit Account Container
Original Ticket# Driver
Date Check#
Billing Ticket# Billing# 0001847
Destination Grid

Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
ID# w201320352

	Time	Scale	Operator	Inbound	Gross	
In	10/02/2020 10:33:30	Scale1	ashield2		Tare	76780 lb 39900 lb
Out	10/02/2020 10:45:06	Scale1	ashield2		Net	36880 lb
					Tons	18.44

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	18.44	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	18.44	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature *AS For Carlos*

The total amount includes fees and taxes that may not all be listed on this ticket due to limitation.

NON-HAZARDOUS WASTE MANIFEST

SPK 2004296025-006

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document # KMLP-023		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address : SAME			
4. Generator's Phone (509) 927-8554							
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID		B. Transporter 1 Phone (781) 792-3000	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID		F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. NOT REGULATED BY DOT				01 DT		020,17 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201315871				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum 17.23 Tons			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery on behalf of				Signature <i>William Montgomery</i>		Date Month Day Year 09 24 20	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name Carlos Cardenas				Signature <i>Carlos Cardenas</i>		Date Month Day Year 09 24 20	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name <i>[Signature]</i>				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Alison Shields				Signature <i>Alison Shields</i>		Date Month Day Year 9 24 20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



22

2004-2005-002

2004-2005

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2004-2005-002

W Facility
18200 Ham Road
Medi WASTE MANAGEMENT 9022

Original
Ticket# 622757
Ph: (509)244-0151

KMLP-023

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/24/2020 Vehicle# carlso
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201315871

Time	Scale	Operator	Inbound	Gross	
In 09/24/2020 09:36:39	Scale1	ashield2		Tare	74300 lb
Out 09/24/2020 09:49:17	Scale1	ashield2		Net	39840 lb
				Tons	34460 lb
					17.23

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	17.23	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	17.23	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R. Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

SPK 2004296025-006

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document KMLP-025		2. Page 1 of	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021 (509) 927-8554				Site Address : SAME			
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID		B. Transporter 1 Phone (701) 792-5000	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID		F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION NOT REGULATED BY DOT				Containers		13. Total Quantity	
				No. Type		Unit Wt. Vol.	
				a. 01 DT		020 T	
				b.			
				c.			
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201315873 20.10 Tons				EMERGENCY PHONE # (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations							
Printed/Typed Name William Montgomery on behalf of				Signature <i>William Montgomery</i>		Date Month 9 Day 24 Year 20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name Carlos Cardenas				Signature <i>Carlos Cardenas</i>		Month 9 Day 24 Year 20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19							
Printed/Typed Name Alison Shields				Signature <i>Alison Shields</i>		Date Month 9 Day 24 Year 20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

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W Facility
18200 18th Road
Medi WASTE MANAGEMENT 9022

Original
Ticket# 622809
Ph: (509)244-0151

KMLP-085

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/24/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201315873

Time	Scale	Operator	Inbound	Gross	
In 09/24/2020 13:21:06	Scale1	ashield2		Tare	79880 lb 39680 lb
Out 09/24/2020 13:37:18	Scale1	ashield2		Net	40200 lb
				Tons	20.10

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	20.10	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHDI-Spokane Regional	100	20.10	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R-LOWES

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-006

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-039	2. Page 1 of 1
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021 4. Generator's Phone: (509) 927-8554				Site Address : SAME	
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (761) 792-5000	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		C. State Transporter's ID	
				D. Transporter 2 Phone	
				E. State Facility's ID	
				F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION				Containers	13. Total Quantity
				No.	14. Unit Wt./Vol.
a. NOT REGULATED BY DOT				01 DT	020 T
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above	
15. Special Handling Instructions and Additional Information Disposal PO# W201317026 <div style="text-align: center; font-size: 1.5em;">19.61 Tons</div>				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum	
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name William Montgomery on behalf of				Signature <i>W. Montgomery</i>	
				Date Month Day Year 9 29 20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date	
Printed/Typed Name J. Solonow				Signature <i>J. Solonow</i>	
				Month Day Year 09 29 20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date	
Printed/Typed Name				Signature	
				Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.					
Printed/Typed Name Alex Sheldy				Signature <i>Alex Sheldy</i>	
				Date Month Day Year 9 30 20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

36

Waste Management Facility
1820 W. Ham Road
Medi WASTE MANAGEMENT 9022

Original
Ticket# 623180
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/30/2020 Vehicle# JEFF
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201317026

	Time	Scale	Operator	Inbound	Gross	
In	09/30/2020 07:24:56	Scale1	ashield2		Tare	79000 lb 39780 lb
Out	09/30/2020 07:33:46	Scale1	ashield2		Net	39220 lb
					Tons	19.61

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.61	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	19.61	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS H JEFF

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

SPK 2004296025-006

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document # KMLP-040	2. Page 1 of 1
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021 4. Generator's Phone (509) 927-6554				5. Site Address : SAME	
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (781) 792-5000	
9. Designated Facility Name and Site Address Waste Management - Graham Road 4820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		C. State Transporter's ID	
				D. Transporter 2 Phone	
				E. State Facility's ID	
				F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION			Containers		13. Total Quantity
			No.	Type	14. Unit Wt./Vol.
a. NOT REGULATED BY DOT			01	DT	- 16 T
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above 11a.115434WA			H. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information Disposal PO# W201317027			EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum <div style="font-size: 2em; text-align: center;">16.23 Tons</div>		
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name William Montgomery on behalf of			Signature <i>[Signature]</i>		Date Month Day Year 09/30/20
17. Transporter 1 Acknowledgement of Receipt of Materials			Signature <i>[Signature]</i>		Date Month Day Year 9/30/20
Printed/Typed Name Tim Hayward			Signature		Date Month Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials			Signature		Date Month Day Year
Printed/Typed Name			Signature		Date Month Day Year
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.					
Printed/Typed Name Alison Shueck			Signature <i>[Signature]</i>		Date Month Day Year 9/30/20



Waste Management
Grain Processing Facility
18200 W. Ham Road
Mediapolis, IA 52051-9022

Original
Ticket# 623186
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/30/2020 Vehicle# tim
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201317027

	Time	Scale	Operator	Inbound	Gross	
In	09/30/2020 08:11:36	Scale1	ashield2		Tare	67800 lb 35340 lb
Out	09/30/2020 08:24:42	Scale1	ashield2		Net	32460 lb
					Tons	16.23

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	16.23	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	16.23	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R-TIM

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

SPK 2004296025-006

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-041		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address : SAME			
4. Generator's Phone (509) 927-8554							
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID		B. Transporter 1 Phone (781) 792-5000	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID		F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. NOT REGULATED BY DOT				01 DT		020 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201317028				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum 20.05 Tons			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery on behalf of				Signature <i>William Montgomery</i>		Date Month Day Year 9 30 20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Jeff Solomon</i>		Date Month Day Year 9 30 20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Alison Shields				Signature <i>Alison Shields</i>		Date Month Day Year 9 30 20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



40

W
Grain Processing Facility
18200 W. Ham Road
Medi WASTE MANAGEMENT 9022

Original
Ticket# 623215
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/30/2020 Vehicle# jeff
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201317028

	Time	Scale	Operator	Inbound	Gross	
In	09/30/2020 10:20:19	Scale1	ASHIELD2		Tare	80240 lb 40140 lb
Out	09/30/2020 10:28:49	Scale1	ASHIELD2		Net	40100 lb
					Tons	20.05

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	20.05	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	20.05	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS for Jeff

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

SPK 2004296025-006

Please print or type (Form designed for use on 8 1/2" x 11" (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-042	2. Page 1 of 1
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021 (509) 927-6554		Site Address - SAME			
4. Generator's Phone		6. US EPA ID Number MAD039322250		A. State Transporter's ID (781) 792-5000	
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		8. US EPA ID Number		B. Transporter 1 Phone	
7. Transporter 2 Company Name		10. US EPA ID Number TXNOTREORD31		C. State Transporter's ID	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022				D. Transporter 2 Phone	
				E. State Facility's ID	
				F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION					
a. NOT REGULATED BY DOT			Containers No.	Type	Total Quantity
			01	DT	- 17
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above 11a.115434WA			H. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information Disposal PO# W201317029			EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum <div style="font-size: 2em; text-align: center; margin-top: 10px;">16.56 Tons</div>		
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name William Montgomery on behalf of			Signature <i>William Montgomery</i>		Date Month Day Year 9/30/20
17. Transporter 1 Acknowledgement of Receipt of Materials			Printed/Typed Name Tim Hayward		Date Month Day Year 9/30/20
18. Transporter 2 Acknowledgement of Receipt of Materials			Signature <i>[Signature]</i>		Date Month Day Year 9/30/20
19. Discrepancy Indication Space			Printed/Typed Name Nelson Shields		Date Month Day Year 9/30/20
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.			Signature <i>Nelson Shields</i>		Date Month Day Year 9/30/20

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

WASTE MANAGEMENT
Grain Processing Facility
18200 W. Ham Road,
Mediapolis, IA 52051-9022

Original
Ticket# 623232
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/30/2020 Vehicle# tim
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201317029

	Time	Scale	Operator	Inbound	Gross	
In	09/30/2020 11:27:42	Scale1	ASHIELD2		Tare	68260 lb 35140 lb
Out	09/30/2020 11:46:01	Scale1	sharrin5		Net	33120 lb
					Tons	16.56

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	16.56	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	16.56	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

SH for Tim

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type

(Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-006

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-043		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address : SAME			
4. Generator's Phone (509) 927-8554							
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID		B. Transporter 1 Phone (781) 792-5000	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID		F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. NOT REGULATED BY DOT				01 DT		17 J	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201317030 17.09 Tons				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery on behalf of Kaiser Aluminum				Signature <i>[Signature]</i>		Date Month Day Year 9 30 20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		Date Month Day Year 9 30 20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		Date Month Day Year 9 30 20	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.				Date Month Day Year 9 30 20			
Printed/Typed Name Alison Shields				Signature <i>[Signature]</i>			



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WASTE MANAGEMENT
Grand Facility
18200 Ham Road
Medi WASTE MANAGEMENT 9022

Original
Ticket# 623244
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/30/2020 Vehicle# JEFF
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W2013170330

	Time	Scale	Operator	Inbound	Gross	
In	09/30/2020 12:43:44	Scale1	ASHIELD2		Tare	74540 lb 40360 lb
Out	09/30/2020 12:52:01	Scale1	ASHIELD2		Net	34180 lb
					Tons	17.09

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	17.09	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	17.09	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS Ruff

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-006

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-044	2. Page 1 of 1
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address SAME	
4. Generator's Phone (509) 927-6554					
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID	
				B. Transporter 1 Phone (781) 792-5000	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID	
				D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID	
				F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION			Containers No. Type	13. Total Quantity	14. Unit Wt./Vol.
a. NOT REGULATED BY DOT			01 DT	17	T
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above 11a.115434WA			H. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information Disposal PO# W201317031 16.75 Tons			EMERGENCY PHONE # (800) 433-3718 GENERATOR: Kaiser Aluminum		
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name William Montgomery on behalf of				Signature <i>[Signature]</i>	
				Date Month Day Year 9 30 20	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name Tim Hayward				Signature <i>[Signature]</i>	
				Date Month Day Year 9 30 20	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name				Signature	
				Date Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.					
Printed/Typed Name Alison Shields				Signature <i>[Signature]</i>	
				Date Month Day Year 9 30 20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



WASTE MANAGEMENT
Grand Valley Facility
18200 Grand Valley Road
Medford, OR 97504

Original
Ticket# 623273
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/30/2020 Vehicle# TIM
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201317031

	Time	Scale	Operator	Inbound	Gross	
In	09/30/2020 14:40:36	Scale1	ASHIELD2		Tare	69000 lb 35500 lb
Out	09/30/2020 15:00:36	Scale1	ASHIELD2		Net	33500 lb
					Tons	16.75

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	16.75	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	16.75	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS for TIM

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

SPK 2004296025-006

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KMLP-045		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021 4. Generator's Phone (509) 927-8554				Site Address : SAME			
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID		B. Transporter 1 Phone (781) 792-5000	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID		F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. NOT REGULATED BY DOT				01 DT		16. T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201317032				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum 16.18 Tons			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name William Montgomery on behalf of				Signature <i>William Montgomery</i>		Date Month Day Year 09/30/20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Jeff Solomon</i>		Date Month Day Year 09/30/20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19				Date Month Day Year 9/30/20			
Printed/Typed Name Alison Shields				Signature <i>Alison Shields</i>			

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WASTE MANAGEMENT
Graff Facility
18200 Ham Road
Mediaville, OH 44130

Original
Ticket# 623283
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 09/30/2020 Vehicle# jeff
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201317032

	Time	Scale	Operator	Inbound	Gross	
In	09/30/2020 15:25:55	Scale1	ASHIELD2		Tare	72340 lb
Out	09/30/2020 15:34:27	Scale1	ASHIELD2		Net	39980 lb
					Tons	32360 lb
						16.18

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	16.18	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	16.18	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R Jeff

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

WASTE MANAGEMENT
Graham Road Facility
1820 S. Graham Road.
Medicine Hat, Alberta T1C 0G2

Original
Ticket# 623522

Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/05/2020 Vehicle# JIM
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201320357

	Time	Scale	Operator	Inbound	Gross	
In	10/05/2020 09:19:22	Scale1	ashield2		Tare	75020 lb 42720 lb
Out	10/05/2020 09:31:18	Scale1	ashield2		Net	32300 lb
					Tons	16.15

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	16.15	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	16.15	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS HLP

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

WM
Graham Road Facility
1820 S. Graham Road.
Medi **WASTE MANAGEMENT** 9022

Original
Ticket# 623558
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/05/2020 Vehicle# tim
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201320359

	Time	Scale	Operator	Inbound	Gross	
In	10/05/2020 11:38:37	Scale1	ashield2			68520 lb
Out	10/05/2020 11:53:13	Scale1	ashield2		Tare	35640 lb
					Net	32880 lb
					Tons	16.44

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	16.44	Tons				
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	16.44	Tons				SPOKANE
							SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R Tim

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

Waste Management Facility
1820 S. Graham Road.
Medi WASTE MANAGEMENT 89022

Original
Ticket# 623592
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/05/2020 Vehicle# tim
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201320362

	Time	Scale	Operator	Inbound	Gross	
In	10/05/2020 14:29:55	Scale1	ashield2		Tare	72700 lb 35540 lb
Out	10/05/2020 14:42:10	Scale1	ashield2		Net	37160 lb
					Tons	18.58

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	18.58	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	18.58	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS for Tim

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

Waste Management
Graham Road Facility
1820 S. Graham Road
Medina, WA 98022

Original
Ticket# 623587
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/05/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201320361

	Time	Scale	Operator	Inbound	Gross	
In	10/05/2020 13:48:54	Scale1	ashield2		Tare	83580 lb 40040 lb
Out	10/05/2020 13:57:49	Scale1	ashield2		Net	43540 lb
					Tons	21.77

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	21.77	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	21.77	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS for Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

Waste Management
Graham Road Facility
1820 S. Graham Road
Mediapolis, IA 52051
Ph: (509) 244-0151

Original
Ticket# 623604

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/05/2020 Vehicle# JEFF
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201320363

	Time	Scale	Operator	Inbound	Gross	
In	10/05/2020 15:03:15	Scale1	ashield2		Tare	78940 lb
Out	10/05/2020 15:13:35	Scale1	ashield2		Net	42520 lb
					Tons	36420 lb
						18.21

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	18.21	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	18.21	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS Pardey

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

WASTE MANAGEMENT
Graham Road Facility
1820 S. Graham Road
Medford, OR 97504
9022

Ph: (509) 244-0151

Original
Ticket# 623551

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/05/2020 Vehicle# carlos
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201320358

	Time	Scale	Operator	Inbound	Gross	
In	10/05/2020 11:09:48	Scale1	ashield2			76680 lb
Out	10/05/2020 11:22:37	Scale1	ashield2		Tare	40220 lb
					Net	36460 lb
					Tons	18.23

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	18.23	Tons				
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	18.23	Tons				SPOKANE
							SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

WMA
Graham Road Facility
1820 S. Graham Road
Medi WASTE MANAGEMENT 9022

Ph: (509)244-0151

Original
Ticket# 623509

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/05/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201320356

	Time	Scale	Operator	Inbound	Gross	77480 lb
In	10/05/2020 08:22:19	Scale1	ashield2		Tare	39840 lb
Out	10/05/2020 08:39:36	Scale1	ashield2		Net	37640 lb
					Tons	18.82

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	18.82	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	18.82	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

WMA
Granham Road Facility
1820 S Granham Road
Mediawaste Management 9022

Original
Ticket# 623574
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN HARBORS
Ticket Date 10/05/2020 Vehicle# JEFF
Payment Type Credit Account Container
Manual Ticket# Driver JEFF
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 1
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w20132060

	Time	Scale	Operator	Inbound	Gross	
In	10/05/2020 12:42:39	Scale1	sharrin5			76680 lb
Out	10/05/2020 12:53:32	Scale1	ashield2		Tare	42560 lb
					Net	34120 lb
					Tons	17.06

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	17.06	Tons				
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	17.06	Tons				

Total Tax/Fees
Total Ticket

Driver's Signature

AS to Jeff

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Waste Management Facility
18200 W. Main Road
Medford, OR 97504

Ph: (509) 244-0151

Original
Ticket# 623679

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/06/2020 Vehicle# jeff
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201320369

	Time	Scale	Operator	Inbound	Gross	
In	10/06/2020 11:13:20	Scale1	ashield2		87320 lb	
Out	10/06/2020 11:23:05	Scale1	ashield2		Tare 42520 lb	
					Net 44800 lb	
					Tons 22.40	

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	22.40	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	22.40	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R-Jeff

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

WM
Grain Facility
1820 N. Main Road,
Mediavale, WA 99022

Original
Ticket# 623691
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/06/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434NA
Profile 115434NA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# 201321580

Time	Scale	Operator	Inbound	Gross	
In 10/06/2020 11:55:20	Scale1	fbaxter		Tare	79240 lb
Out 10/06/2020 12:12:50	Scale1	fbaxter		Net	39860 lb
				Tons	39380 lb
					19.69

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.69	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHDI-Spokane Regional	100	19.69	Tons				SPOKANE

Total Tax/Fees
Total Ticket

FS
Driver's Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

WM
Granite Facility
1820 Ham Road
Mediobre, Idaho 83402

Ph: (509) 244-0151

Original
Ticket# 623741

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/06/2020 Vehicle# carlos
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201321584

	Time	Scale	Operator	Inbound	Gross	
In	10/06/2020 15:34:35	Scale1	ashield2		Tare	79000 lb
Out	10/06/2020 15:44:56	Scale1	ashield2		Net	40200 lb
					Tons	38800 lb
						19.40

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.40	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	19.40	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS for Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to tax limitation.

WM
1800 N. 8th St.
Medi... 9022

Original
Ticket# 623733

Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/06/2020 Vehicle# tim
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Selling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W001321583

	Time	Scale	Operator	Inbound	Gross	
In	10/06/2020 15:04:42	Scale1	ashield2		73340 lb	
Out	10/06/2020 15:19:32	Scale1	ashield2		Tare 35620 lb	
					Net 37720 lb	
					Tons 18.86	

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	18.86	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRND1-Spokane Regional	100	18.86	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

ASR/TIM

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

WM
1820
Medi

Original
Ticket# 623713
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/06/2020 Vehicle# jeff
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PC# w201321582

	Time	Scale	Operator	Inbound	Gross	
In	10/06/2020 13:35:38	Scale1	ashield2		Tare	97900 lb
Out	10/06/2020 13:47:11	Scale1	ashield2		Net	42380 lb
					Tons	55520 lb
						27.76

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	27.76	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	27.76	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R. J. A.

The total amount includes fees and taxes that may not all be listed on this ticket due to tech limitation.

Waste Management Facility
1820 W. Ham Road
Medford, OR 97504

Ph: (509)244-0151

Original
Ticket# 623705

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/06/2020 Vehicle# TIM
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201321581

	Time	Scale	Operator	Inbound	Gross	
In	10/06/2020 12:38:45	Scale1	ashield2		73880 lb	
Out	10/06/2020 12:49:38	Scale1	ashield2		Tare	35680 lb
					Net	38200 lb
					Tons	19.10

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.10	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	19.10	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AB for TIM

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

WM
Grant Facility
18200 Grant Road
Mediaville, OH 44130-9022

Original
Ticket# 623658
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/06/2020 Vehicle# TIM
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201320368

	Time	Scale	Operator	Inbound	Gross	
In	10/06/2020 10:20:06	Scale1	ashield2		70060 lb	
Out	10/06/2020 10:34:56	Scale1	ashield2		35780 lb	
					Net	34280 lb
					Tons	17.14

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	17.14	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	17.14	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS Per Tim

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

WM
Grant Hazard Facility
18200 Graham Road
Medi ~~WASTE MANAGEMENT~~ 9022

Original
Ticket# 623649
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/06/2020 Vehicle# carlos
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201320367

	Time	Scale	Operator	Inbound	Gross	
In	10/06/2020 09:28:57	Scale1	ashield2		Tare	78340 lb
Out	10/06/2020 09:43:31	Scale1	ashield2		Net	39940 lb
					Tons	38400 lb
						19.20

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.20	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	19.20	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS for Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

WM
1820 W. Main Road
Mediawaste Management 9022

Original
Ticket# 623643
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/06/2020 Vehicle# jeff
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201320366

	Time	Scale	Operator	Inbound	Gross	
In	10/06/2020 08:41:56	Scale1	ashield2		Tare	80540 lb
Out	10/06/2020 08:52:53	Scale1	ashield2		Net	42420 lb
					Tons	38120 lb
						19.06

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.06	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	19.06	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R. Jeff

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

WM
Graham Facility
1820 E. Graham Road
Medicine Hat, Alberta T1A 8G9
WASTE MANAGEMENT 9022

Original
Ticket# 623634
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C
Ticket Date 10/06/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201320365

Carrier CLEAN CLEAN HARBORS
Vehicle# tim
Container
Driver
Check#
Billing# 0001847
Grid

	Time	Scale	Operator	Inbound	Gross	
In	10/06/2020 08:05:52	Scale1	ashield2		Tare	74240 lb
Out	10/06/2020 08:15:01	Scale1	ashield2		Net	35900 lb
					Tons	38340 lb
						19.17

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.17	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	19.17	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS Per Tim

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

10200 W. Main Road
Mediowest Environmental 9022

Ph: (509)244-0151

Original
Ticket# 623624

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/06/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201320364

	Time	Scale	Operator	Inbound	Gross	
In	10/06/2020 07:06:13	Scale1	ashield2		Tare	77900 lb 39960 lb
Out	10/06/2020 07:16:33	Scale1	ashield2		Net	37940 lb
					Tons	18.97

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	18.97	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100	%					SPOKANE
3 SRHD1-Spokane Regional	100	18.97	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS For Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

Waste Management
Graham Facility
1820 S. Graham Road
Mediawaste Management 9022

Original
Ticket# 623864
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/07/2020 Vehicle# carlos
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201321595

	Time	Scale	Operator	Inbound	Gross	
In	10/07/2020 14:01:44	Scale1	ashield2		Tare	81580 lb
Out	10/07/2020 14:15:42	Scale1	ashield2		Net	39840 lb
					Tons	41740 lb
						20.87

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	20.87	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	20.87	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

WM
Graham Road Facility
1820 S. Graham Road
Medi ~~WASTE MANAGEMENT~~ 9022

Original
Ticket# 623883
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/07/2020 Vehicle# TIM
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid

Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201321596

	Time	Scale	Operator	Inbound	Gross	
In	10/07/2020 15:20:37	Scale1	ashield2		Tare	73640 lb
Out	10/07/2020 15:33:17	Scale1	ashield2		Net	35260 lb
					Tons	38380 lb
						19.19

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.19	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	19.19	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

ASR Tim

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

Graham Road Facility
1820 S. Graham Road.
Medi WASTE MANAGEMENT 9022

Ph: (509)244-0151

Ticket# 623750

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/07/2020 Vehicle# jeff
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201321585

	Time	Scale	Operator	Inbound	Gross	
In	10/07/2020 07:01:00	Scale1	ashield2		Tare	81400 lb
Out	10/07/2020 07:09:26	Scale1	ashield2		Net	42840 lb
					Tons	38560 lb
						19.28

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.28	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	19.28	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AB Rr Jeff

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

WM
Granham Road Facility
1820 S. Granham Road
Medi WASTE MANAGEMENT 9022

Ph: (509) 244-0151

Original
Ticket# 623752

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/07/2020 Vehicle# carlos
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201321585

	Time	Scale	Operator	Inbound	Gross	
In	10/07/2020 07:13:32	Scale1	ashield2		Tare	76660 lb
Out	10/07/2020 07:24:21	Scale1	ashield2		Net	40160 lb
					Tons	36500 lb
						18.25

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	18.25	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	18.25	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS for Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

Waste Management
Graham Road Facility
18201 S. Graham Road
Mediawaste Management 9022

Original
Ticket# 623767
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/07/2020 Vehicle# tim
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201321585

	Time	Scale	Operator	Inbound	Gross
In	10/07/2020 08:16:38	Scale1	ashield2		Tare
Out	10/07/2020 08:30:39	Scale1	ashield2		Net
					Tons

72280 lb
35520 lb
36760 lb
18.38

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	18.38	Tons				
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	18.38	Tons				SPOKANE
							SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS Rr Tim

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

WASTE MANAGEMENT
1820
Medi

Ph: (509)244-0151

Original
Ticket# 623781

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/07/2020 Vehicle# JEFF
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid

Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201321588

	Time	Scale	Operator	Inbound	Gross	
In	10/07/2020 09:06:39	Scale1	ashield2		Tare	84500 lb
Out	10/07/2020 09:15:54	Scale1	ashield2		Net	43420 lb
					Tons	41080 lb
						20.54

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	20.54	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHDL-Spokane Regional	100	20.54	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

ASD Jeff

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

Waste Management
1820 S. Ham Road
Medi

Ph: (509)244-0151

Original
Ticket# 623796

Customer Name CLEAN HARBORS 115434WA C
Ticket Date 10/07/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201321589

CARRIER CLEAN CLEAN HARBORS
Vehicle# carlos
Container
Driver
Check#
Billing# 0001847
Grid

	Time	Scale	Operator	Inbound	Gross	
In	10/07/2020 09:49:05	Scale1	ashield2		Tare	90620 lb
Out	10/07/2020 10:01:08	Scale1	ashield2		Net	40040 lb
					Tons	50580 lb
						25.29

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	25.29	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	25.29	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS # Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

Graham Road Facility
1820 S. Graham Road
Mediawaste Management 89022

Original
Ticket# 623808
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/07/2020 Vehicle# TIM
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201321590

	Time	Scale	Operator	Inbound	Gross	
In	10/07/2020 10:35:15	Scale1	ashield2		Tare	77660 lb
Out	10/07/2020 10:47:17	Scale1	ashield2		Net	35420 lb
					Tons	42240 lb
						21.12

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	21.12	Tons				
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHDL-Spokane Regional	100	21.12	Tons				SPOKANE
							SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R Tim

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

Waste Management Facility
 1820 W. Main Road
 Medford, OR 97504

Original Ticket# 623818
 Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C
 Ticket Date 10/07/2020
 Payment Type Credit Account
 Manual Ticket#
 Route
 Hauling Ticket#
 Destination
 Manifest 115434wa
 Profile 115434WA (LF01 - Sediment)
 Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
 PO# w201321591

Carrier CLEAN CLEAN HARBORS
 Vehicle# jeff
 Container
 Driver
 Check#
 Billing# 0001847
 Grid

In 10/07/2020 11:29:26 Scale1
 Out 10/07/2020 11:38:20 Scale1

Operator
 ashield2
 fbaxter

Inbound Gross 92880 lb
 Tare 42560 lb
 Net 50320 lb
 Tons 25.16

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	25.16	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	25.16	Tons				SPOKANE

Total Tax/Fees
 Total Ticket

Driver's Signature *FB*
 The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

Waste Management
Grain Processing Facility
1820 S. Graham Road,
Medford, OR 97504

Original
Ticket# 623629
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN HARBORS
Ticket Date 10/07/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# 201321592

Time Scale
In 10/07/2020 11:59:56 Scale1
Out 10/07/2020 12:09:52 Scale1

Operator
fbaxter
ashield2

Inbound Gross 84820 lb
Tare 39920 lb
Net 44900 lb
Tons 22.45

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	22.45	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	22.45	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

ASB Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

Waste Management
Grand Valley Facility
1820 S. Graham Road
Medina, WA 99022

Original
Ticket# 623846
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C
Ticket Date 10/07/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201321593

CARRIER CLEAN CLEAN HARBORS
Vehicle# jeff
Container
Driver
Check# 0001847
Billing#
Grid

Time Scale
In 10/07/2020 13:00:58 Scale1
Out 10/07/2020 13:12:27 Scale1

Operator
ashield2
ashield2

Inbound Gross 73920 lb
Tare 35340 lb
Net 38580 lb
Tons 19.29

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.29	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	19.29	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

ASR JAF

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

WM
Grand Facility
1820 S. Ham Road
Medi WASTE MANAGEMENT 9022

Original
Ticket# 623852
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/07/2020 Vehicle# Jeff
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid

Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201321594

	Time	Scale	Operator	Inbound	Gross
In	10/07/2020 13:40:23	Scale1	ashield2		77900 lb
Out	10/07/2020 13:49:55	Scale1	ashield2		Tare 42500 lb
					Net 35400 lb
					Tons 17.70

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	17.70	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	17.70	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS for Jeff

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

Y&B

90Y INK

Waste Management
Grain Processing Facility
1820 S. Graham Road
Mediaville, OH 44130-9022

Original
Ticket# 623931
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/08/2020 Vehicle# tim
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201321601

	Time	Scale	Operator	Inbound	Gross	
In	10/08/2020 09:50:21	Scale1	ashield2		Tare	73440 lb
Out	10/08/2020 09:59:40	Scale1	ashield2		Net	35680 lb
					Tons	37760 lb
						18.88

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	18.88	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	18.88	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R-TIM

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

Waste Management
Graham Facility
18200 Graham Road
Medina, WA 99022

Original
Ticket# 623935
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/08/2020 Vehicle# carlos
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201321602

	Time	Scale	Operator	Inbound	Gross	
In	10/08/2020 10:15:24	Scale1	ashield2		Tare	81720 lb
Out	10/08/2020 10:24:22	Scale1	ashield2		Net	40180 lb
					Tons	41540 lb
						20.77

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	20.77	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	20.77	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

JB For Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to limitation.

Waste Management
Grain Processing Facility
18200 W. Ham Road
Medicine Hat, Alberta T1C 1V9

Ph: (509) 244-0151

Original
Ticket# 623926

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/08/2020 Vehicle# JEFF
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201321600

	Time	Scale	Operator	Inbound	Gross	
In	10/08/2020 09:24:22	Scale1	ashield2		Tare	85780 lb
Out	10/08/2020 09:33:26	Scale1	ashield2		Net	42700 lb
					Tons	43080 lb
						21.54

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	21.54	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	21.54	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R. Jeff

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

WMA
Grant Facility
1820 ...ham Road.
Medi ... 9022

Original
Ticket# 623897
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/08/2020 Vehicle# carlos
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201321598

	Time	Scale	Operator	Inbound	Gross
In	10/08/2020 07:11:26	Scale1	ashield2		85920 lb
Out	10/08/2020 07:21:52	Scale1	ashield2		40460 lb
					45460 lb
					22.73

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	22.73	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	22.73	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS P Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

WM
Grant Facility
1820 W. Main Road
Medicine Hat, Alberta T1C 1A9
WASTE MANAGEMENT 9022

Original
Ticket# 623896
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/08/2020 Vehicle# tim
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201321599

	Time	Scale	Operator	Inbound	Gross	
In	10/08/2020 07:10:12	Scale1	ashield2		80700 lb	
Out	10/08/2020 07:18:57	Scale1	ashield2		Tare 35800 lb	
					Net 44900 lb	
					Tons 22.45	

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	22.45	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	22.45	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS for Tim

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

Waste Management
Graham Road
1820
Medicine

Ph: (509)244-0151

Original
Ticket# 623895

Customer Name CLEAN HARBORS 115434WA C
Ticket Date 10/08/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201321597

CARRIER CLEAN CLEAN HARBORS
Vehicle# jeff
Container
Driver
Check#
Billing# 0001847
Grid

In 10/08/2020 07:06:42 Scale1
Out 10/08/2020 07:14:46 Scale1

Operator
ashield2
ashield2

Inbound
Gross
Tare
Net
Tons

76960 lb
42800 lb
34160 lb
17.08

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	17.08	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	17.08	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS RJEAT

The total amount includes fees and taxes that may not all be listed on this ticket due to tech limitation.

WM Facility
18200 W. Ham Road
Medi WASTE MANAGEMENT 9022

Original
Ticket# 623955

Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C
Ticket Date 10/08/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# 201321604

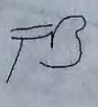
Carrier CLEAN HARBORS
Vehicle# JEFF
Container
Driver JEFF
Check#
Billing# 0001847
Grid

	Time	Scale	Operator	Inbound	Gross	
In	10/08/2020 11:35:32	Scale1	fbaxter		Tare	81860 lb
Out	10/08/2020 11:48:55	Scale1	fbaxter		Net	42740 lb
					Tons	39120 lb
						19.56

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.56	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	19.56	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature 

The total amount includes fees and taxes that may not all be listed on this ticket due limitation.

WM
Grant Facility
1820 W. 18th Road
Medicine Hat, Alberta T1C 1B2

Original
Ticket# 623966
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/08/2020 Vehicle# carlos
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid

Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201321605

	Time	Scale	Operator	Inbound	Gross	
In	10/08/2020 12:25:09	Scale1	ashield2		Tare	84560 lb
Out	10/08/2020 12:40:04	Scale1	ashield2		Net	39980 lb
					Tons	44580 lb
						22.29

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	22.29	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	22.29	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to tech limitation.

Waste Management Facility
1820 W. Main Road
Mediaville, OH 44130-0022

Original
Ticket# 623972
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/08/2020 Vehicle# tim
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201321603

	Time	Scale	Operator	Inbound	Gross	
In	10/08/2020 12:43:07	Scale1	ashield2		Tare	79100 lb
Out	10/08/2020 12:57:06	Scale1	ashield2		Net	35580 lb
					Tons	43520 lb
						21.76

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	21.76	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	21.76	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AB-TM

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

Waste Management
1820 W. Main Road
Medina, WA 99022

Original
Ticket# 624016
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/08/2020 Vehicle# TIM
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid

Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201321607

	Time	Scale	Operator	Inbound	Gross	
In	10/08/2020 15:42:49	Scale1	ashield2		Tare	71920 lb
Out	10/08/2020 15:52:06	Scale1	ashield2		Net	35500 lb
					Tons	36420 lb
						18.21

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	18.21	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	18.21	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS for Tim

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

WM
Grant Facility
1820 W. Main Road
Mediawaste Management 9022

Original
Ticket# 624007
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/08/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201321608

In	Time	Scale	Operator	Inbound	Gross	85960 lb
Out	10/08/2020 14:57:31	Scale1	ashield2		Tare	40080 lb
	10/08/2020 15:09:04	Scale1	ashield2		Net	45880 lb
					Tons	22.94

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	22.94	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	22.94	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

WASTE MANAGEMENT
1820 W. 18th Street
Medicine Hat, Alberta
T1A 8P2

Original
Ticket# 624128
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/09/2020 Vehicle# carlos
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201322768

	Time	Scale	Operator	Inbound	Gross	
In	10/09/2020 14:42:30	Scale1	ASHIELD2		Tare	82000 lb
Out	10/09/2020 14:54:06	Scale1	ASHIELD2		Net	39860 lb
					Tons	42140 lb
						21.07

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	21.07	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	21.07	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to limitation.

WASTE MANAGEMENT
Facility
18200 Ham Road
Medi

Ph: (509) 244-0151

Original
Ticket# 624141

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/09/2020 Vehicle# tim
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201322769

	Time	Scale	Operator	Inbound	Gross	
In	10/09/2020 15:43:27	Scale1	ASHIELD2		Tare	72340 lb 35460 lb
Out	10/09/2020 15:53:00	Scale1	ASHIELD2		Net	36880 lb
					Tons	18.44

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	18.44	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	18.44	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS For Tim

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

WM
Facility
1820 Ham Road
Medi WASTE MANAGEMENT 9022

Original
Ticket# 624108
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/09/2020 Vehicle# josh
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201322766

	Time	Scale	Operator	Inbound	Gross	
In	10/09/2020 13:05:06	Scale1	ashield2		Tare	73660 lb
Out	10/09/2020 13:14:56	Scale1	ashield2		Net	35620 lb
					Tons	38040 lb
						19.02

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.02	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	19.02	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS Posh

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

Waste Management Facility
1820 W. Main Road
Medi-Waste Management 9022

Original
Ticket# 624092
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/09/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# 201321615

Time	Scale	Operator	Inbound	Gross	
In 10/09/2020 12:04:21	Scale1	fbaxter		Tare	80980 lb 39900 lb
Out 10/09/2020 12:16:15	Scale1	ashield2		Net	41080 lb
				Tons	20.54

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	20.54	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	20.54	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

WM
Grain Facility
1820 Main Road
Nedl Waste Management 9022

Original
Ticket# 624089
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/09/2020 Vehicle# jeff
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201322765

	Time	Scale	Operator	Inbound	Gross	
In	10/09/2020 11:35:36	Scale1	ashield2		Tare	77880 lb
Out	10/09/2020 11:43:51	Scale1	fbaxter		Net	43000 lb
					Tons	34880 lb
						17.44

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	17.44	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHDL1-Spokane Regional	100	17.44	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

FB

total amount includes fees and taxes that may not all be listed on this ticket due to tech
itation.

Waste Management Facility
1820 Ham Road
Medi WASTE MANAGEMENT 9022

Original
Ticket# 624085
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/09/2020 Vehicle# tim
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201321614

	Time	Scale	Operator	Inbound	Gross	
In	10/09/2020 10:55:26	Scale1	ashield2		Tare	74380 lb
Out	10/09/2020 11:08:31	Scale1	ashield2		Net	35640 lb
					Tons	38740 lb
						19.37

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.37	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	19.37	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

BBR Tim

The total amount includes fees and taxes that may not all be listed on this ticket due to limitation.

Waste Management Facility
18200 Ham Road
Medi WASTE MANAGEMENT 9022

Original
Ticket# 624046
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/09/2020 Vehicle# TIM
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid

Manifest 15434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201321610

	Time	Scale	Operator	Inbound	Gross	
In	10/09/2020 08:45:36	Scale1	ASHIELD2		Tare	69600 lb
Out	10/09/2020 08:55:18	Scale1	ASHIELD2		Net	35440 lb
					Tons	34160 lb
						17.08

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	17.08	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	17.08	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R-TIM

The total amount includes fees and taxes that may not all be listed on this ticket limitation.

WM
Graham Facility
1820 Graham Road
Medi WASTE MANAGEMENT 9022

Original
Ticket# 624053
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/09/2020 Vehicle# jeff
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201321613

Time	Scale	Operator	Inbound	Gross	
In 10/09/2020 09:25:38	Scale1	ASHIELD2		80360 lb	
Out 10/09/2020 09:35:22	Scale1	ASHIELD2		Tare 43460 lb	
				Net 36900 lb	
				Tons 18.45	

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	18.45	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	18.45	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS HJEAT

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

WM
 Facility
 18200 W. Main Road
 Medford, OR 97504

Original
 Ticket# 624022
 Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
 Ticket Date 10/09/2020 Vehicle# jeff
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Route Check#
 Hauling Ticket# Billing# 0001847
 Destination Grid
 Manifest 115434wa
 Profile 115434WA (LF01 - Sediment)
 Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
 PO# w201321609

	Time	Scale	Operator	Inbound	Gross	83860 lb
In	10/09/2020 07:09:27	Scale1	ashield2		Tare	43420 lb
Out	10/09/2020 07:26:19	Scale1	ashield2		Net	40440 lb
					Tons	20.22

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	20.22	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	20.22	Tons				SPOKANE

Total Tax/Fees
 Total Ticket

Driver's Signature *AS R Jeff*

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

WM
Grain Facility
1820 Ham Road
Medi WASTE MANAGEMENT 9022

Original
Ticket# 624025
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/09/2020 Vehicle# carlos
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201321610

	Time	Scale	Operator	Inbound	Gross	82860 lb
In	10/09/2020 07:19:16	Scale1	ashield2		Tare	40080 lb
Out	10/09/2020 07:31:13	Scale1	ashield2		Net	42780 lb
					Tons	21.39

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
Spwaste Solid Oth-Tons-	100	21.39	Tons				SPOKANE
EVF-P6-Environmental Fe	100		%				SPOKANE
SRHDL-Spokane Regional	100	21.39	Tons				SPOKANE

Total Tax/Fees
Total Ticket

s Signature

AS R Carlos

al amount includes fees and taxes that may not all be listed on this ticket due to technic
ion.

Waste Management Facility
 1820 S. Ham Road
 Medford, OR 97504
 Phone: (509) 244-0151

Original
 Ticket# 624256

Customer Name CLEAN HARBORS 115434WA C
 Ticket Date 10/12/2020
 Payment Type Credit Account
 Manual Ticket#
 Route
 Hauling Ticket#
 Destination
 Manifest 115434WA
 Profile 115434WA (LF01 - Sediment)
 Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
 PO# W201323853

Carrier CLEAN CLEAN HARBORS
 Vehicle# JEFF
 Container
 Driver
 Check#
 Billing# 0001847
 Grid

Time	Scale	Operator	Inbound	Gross	77800 lb
In 10/12/2020 14:50:48	Scale1	ASHIELD2		Tare	44140 lb
Out 10/12/2020 14:59:07	Scale1	ASHIELD2		Net	33660 lb
				Tons	16.83

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	16.83	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	16.83	Tons				SPOKANE

Total Tax/Fees
 Total Ticket

Driver's Signature *HS Er Jeff*

The total amount includes fees and taxes that may not all be listed on this ticket due to technician limitation.

Waste Management Facility
1820 W. Ham Road
Medina, CO 80902

Original
Ticket# 624267
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/12/2020 Vehicle# carlos
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
ID# w201323854

Time	Scale	Operator	Inbound	Gross	81520 lb
10/12/2020 15:35:10	Scale1	ASHIELD2		Tare	39900 lb
10/12/2020 15:46:36	Scale1	ASHIELD2		Net	41620 lb
				Tons	20.81

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
Spwaste Solid Oth-Tons-	100	20.81	Tons				SPOKANE
EVF-P6-Environmental Fe	100		%				SPOKANE
SRHD1-Spokane Regional	100	20.81	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature AS Carlos

Total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

Waste Management Facility
18200 Ham Road
Medi WASTE MANAGEMENT 9022

Original
Ticket# 624228
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/12/2020 Vehicle# TIM
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201323852

	Time	Scale	Operator	Inbound	Gross	
In	10/12/2020 13:22:16	Scale1	ASHIELD2		Tare	72840 lb
Out	10/12/2020 13:33:22	Scale1	ASHIELD2		Net	35820 lb
					Tons	37020 lb
						18.51

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	18.51	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	18.51	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS For Tim

The total amount includes fees and taxes that may not all be listed on this ticket due to techr
limitation.

WM
Gran Facility
18200 Ham Road
Medi WASTE MANAGEMENT 9022

Original
Ticket# 624224
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/12/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201323851

	Time	Scale	Operator	Inbound	Gross	
In	10/12/2020 13:01:33	Scale1	ASHIELD2		Tare	83480 lb
Out	10/12/2020 13:12:32	Scale1	ASHIELD2		Net	39900 lb
					Tons	43580 lb
						21.79

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	21.79	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	21.79	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS P Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

Waste Management
2000
19022

Original
Ticket# 624218
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/12/2020 Vehicle# jeff
Payment Type Credit Account Container
Original Ticket# Driver
Ticket# Check#
Billing# 0001847
Grid
Manifest 115434wa
File 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
w201323850

Time	Scale	Operator	Inbound	Gross	80440 lb
10/12/2020 12:44:50	Scale1	ASHIELD2		Tare	43920 lb
10/12/2020 12:55:42	Scale1	ASHIELD2		Net	36520 lb
				Tons	18.26

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
Spwaste Solid Oth-Tons-	100	18.26	Tons				SPOKANE
EVF-P6-Environmental Fe	100		%				SPOKANE
SRHD1-Spokane Regional	100	18.26	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Signature AS Rodeff

Amount includes fees and taxes that may not all be listed on this ticket due to technical reason.

WASTE MANAGEMENT
Graham Facility
18200 Graham Road
Medi 99022

Original
Ticket# 624197
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN HARBORS
Ticket Date 10/12/2020 Vehicle# TIM
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 1
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201322774

Time	Scale	Operator	Inbound	Gross	
In 10/12/2020 11:20:29	Scale1	sharrin5		Tare	73320 lb
Out 10/12/2020 11:29:26	Scale1	sharrin5		Net	35940 lb
				Tons	37380 lb
					18.69

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	18.69	Tons				
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	18.69	Tons				

Total Tax/Fees
Total Ticket

Driver's Signature

SH for Tim

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

WWM
Graham Waste Facility
18200 W. Graham Road,
Mediawaste Management 9022

Original
Ticket# 624192
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/12/2020 Vehicle# carlos
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201322773

Time	Scale	Operator	Inbound	Gross	
In 10/12/2020 10:51:27	Scale1	ASHIELD2		Tare	88240 lb
Out 10/12/2020 11:00:41	Scale1	ASHIELD2		Net	40180 lb
				Tons	48060 lb
					24.03

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	24.03	Tons				
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	24.03	Tons				SPOKANE
							SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

WM
 Graham Waste Facility
 18200 W. Ham Road.
 Med: WASTE MANAGEMENT 9022

Original
 Ticket# 624178
 Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
 Ticket Date 10/12/2020 Vehicle# jeff
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Route Check# 0001847
 Hauling Ticket# Billing#
 Destination Grid
 Manifest 115434wa
 Profile 115434WA (LF01 - Sediment)
 Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
 PO# w201322772

Time	Scale	Operator	Inbound	Gross	
In 10/12/2020 10:11:15	Scale1	ASHIELD2		85080 lb	
Out 10/12/2020 10:19:23	Scale1	ASHIELD2		Tare 43900 lb	
				Net 41180 lb	
				Tons 20.59	

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	20.59	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	20.59	Tons				SPOKANE

Total Tax/Fees
 Total Ticket

Driver's Signature

AS R Jeff

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

WM
 Graham Waste Facility
 18200 W. Ham Road.
 Med: WASTE MANAGEMENT 9022
 Customer Name CLEAN HARBORS
 Ticket Date 10/12/2020
 Payment Type Credit Account
 Manual Ticket#
 Route
 Hauling Ticket#
 Destination
 Manifest 115434wa
 Profile 115434WA (LF01 - Sediment)
 Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
 PO# w201322772

Time
 10/12/2020 10:51:27 Sc
 10/12/2020 11:00:41 Sc

ste Solid Oth-Tons
 16-Environmental F
 -Spokane Regional

AS R

cludes fees

Waste Management Facility
1820 W. Main Road
Medicine Hat, Alberta T1A 9022

Original
Ticket# 624164

Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C
Ticket Date 10/12/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201322771

Carrier CLEAN CLEAN HARBORS
Vehicle# tim
Container
Driver
Check#
Billing# 0001847
Grid

Time	Scale	Operator	Inbound	Gross	74120 lb
In 10/12/2020 08:57:52	Scale1	ASHIELD2		Tare	36060 lb
Out 10/12/2020 09:09:34	Scale1	ASHIELD2		Net	38060 lb
				Tons	19.03

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.03	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	19.03	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS for tim

The total amount includes fees and taxes that may not all be listed on this ticket due to techn limitation.

Please print o

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

Waste Management
 Grant Area Facility
 1820 S. Graham Road
 Medford, OR 97504

Original
 Ticket# 624162
 Ph: (509)244-0151
 Carrier CLEAN CLEAN HARBORS
 Vehicle# carlos
 Container
 Driver
 Check#
 Billing# 0001847
 Grid

Customer Name CLEAN HARBORS 115434WA C
 Ticket Date 10/12/2020
 Payment Type Credit Account
 Manual Ticket#
 Route
 Hauling Ticket#
 Destination
 Manifest 115434wa
 Profile 115434WA (LF01 - Sediment)
 Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
 PO# w201322770

Time	Scale	Operator	Inbound	Gross	86560 lb
In 10/12/2020 08:47:17	Scale1	ASHIELD2		Tare	40520 lb
Out 10/12/2020 08:59:52	Scale1	ASHIELD2		Net	46040 lb
				Tons	23.02

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	23.02	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	23.02	Tons				SPOKANE

Total Tax/Fees
 Total Ticket

Driver's Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

Waste Management
Graham Road Facility
1820 S. Graham Road
Medi-WASTE MANAGEMENT 9022

Original
Ticket# 624298
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C
Ticket Date 10/13/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# 201323857

Carrier CLEAN CLEAN HARBORS
Vehicle# CARLOS
Container
Driver
Check#
Billing# 0001847
Grid

Time	Scale	Operator	Inbound	Gross	
In 10/13/2020 09:42:24	Scale1	fbaxter		89100 lb	
Out 10/13/2020 09:53:35	Scale1	FBAXTER		Tare 39800 lb	
				Net 49300 lb	
				Tons 24.65	

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	24.65	Tons				
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	24.65	Tons				SPOKANE
							SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

FB

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

Grandview Facility
1820 W. Main Road
Medi-WASTE MANAGEMENT 9022

Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/13/2020 Vehicle# JEFF
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# 201323856

In	Time	Scale	Operator	Inbound	Gross	81320 lb
10/13/2020	09:18:29	Scale1	fbaxter		Tare	43680 lb
Out	10/13/2020	09:28:30	fbaxter		Net	37640 lb
					Tons	18.82

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	18.82	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	18.82	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

FB

The total amount includes fees and taxes that may not all be listed on this ticket due to limitation.

WMA Facility
18200 Ham Road
Medi WASTE MANAGEMENT 9022

Original
Ticket# 624284
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/13/2020 Vehicle# TIM
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# 201323855

	Time	Scale	Operator	Inbound	Gross	
In	10/13/2020 08:40:37	Scale1	fbaxter		Tare	74100 lb
Out	10/13/2020 08:53:19	Scale1	fbaxter		Net	35720 lb
					Tons	38380 lb
						19.19

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.19	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	19.19	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

FB

The total amount includes fees and taxes that may not all be listed on this ticket due to tec
limitation.

W
Granite Facility
1820 S. Ham Road.
Medi

Ph: (509)244-0151

Original
Ticket# 624319

Customer Name CLEAN HARBORS 115434WA C
Ticket Date 10/13/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# 201323858

Carrier CLEAN CLEAN HARBORS
Vehicle# TIM
Container
Driver
Check#
Billing# 0001847
Grid

	Time	Scale	Operator	Inbound	Gross	
In	10/13/2020 10:52:54	Scale1	FBAXTER		Tare	73380 lb
Out	10/13/2020 11:10:31	Scale1	FBAXTER		Net	35540 lb
					Tons	37840 lb
						18.92

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	18.92	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	18.92	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

FS

The total amount includes fees and taxes that may not all be listed on this ticket limitation.

Waste Management Facility
18200 W. Ham Road
Medi WASTE MANAGEMENT 9022

Original
Ticket# 624329
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C
Ticket Date 10/13/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# 201323859

Carrier CLEAN CLEAN HARBORS
Vehicle# JEFF
Container
Driver
Check#
Billing# 0001847
Grid

	Time	Scale	Operator	Inbound	Gross	
In	10/13/2020 11:22:52	Scale1	FBAXTER		Tare	81400 lb
Out	10/13/2020 11:33:02	Scale1	FBAXTER		Net	44060 lb
					Tons	37340 lb
						18.67

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	18.67	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	18.67	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

FB

The total amount includes fees and taxes that may not all be listed on this ticket due to limitation.

Graham Road Facility
1820 S. Graham Road
Medi WASTE MANAGEMENT 9022

Original
Ticket# 624337
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/13/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# 201323859

Time	Scale	Operator	Inbound	Gross	
In 10/13/2020 11:56:42	Scale1	FBAXTER		Tare	84540 lb
Out 10/13/2020 12:06:29	Scale1	FBAXTER		Net	40220 lb
				Tons	44320 lb
					22.16

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	22.16	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	22.16	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

FB

The total amount includes fees and taxes that may not all be listed on this ticket due to limitation.

Waste Management Facility
1820 Graham Road
Medina, WA 99022

Ph: (509)244-0151

Original
Ticket# 624349

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/13/2020 Vehicle# TIM
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# 201323861

	Time	Scale	Operator	Inbound	Gross	
In	10/13/2020 13:07:08	Scale1	FBAXTER		Tare	72060 lb
Out	10/13/2020 13:15:58	Scale1	FBAXTER		Net	35520 lb
					Tons	36540 lb
						18.27

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	18.27	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	18.27	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS

The total amount includes fees and taxes that may not all be listed on this ticket due to limitation.

Graham Road Facility
1820 S. Graham Road
MediWASTE MANAGEMENT 9022

Original
Ticket# 624359
Ph: (509)244-0151


Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/13/2020 Vehicle# JEFF
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# 201323862

	Time	Scale	Operator	Inbound	Gross	
In	10/13/2020 13:43:43	Scale1	FBAXTER		Tare	78200 lb
Out	10/13/2020 13:52:46	Scale1	FBAXTER		Net	44200 lb
					Tons	34000 lb
						17.00

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	17.00	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHDL-Spokane Regional	100	17.00	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature 

The total amount includes fees and taxes that may not all be listed on this ticket due to te limitation.

Waste Management Facility
1820 S. Graham Road.
Medi WASTE MANAGEMENT 9022

Original
Ticket# 624363
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/13/2020 Vehicle# CARLOS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# 201323863

	Time	Scale	Operator	Inbound	Gross	
In	10/13/2020 14:10:26	Scale1	FBAXTER		Tare	87520 lb 40300 lb
Out	10/13/2020 14:25:22	Scale1	FBAXTER		Net	47220 lb 23.61
					Tons	

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	23.61	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	23.61	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

FB

The total amount includes fees and taxes that may not all be listed on this ticket due to limitation.

Graham Road Facility
1820 S. Graham Road
Mediowaste Management 9022

Ph: (509) 244-0151

Original
Ticket# 624394

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/13/2020 Vehicle# TIM
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# 201323864

	Time	Scale	Operator	Inbound	Gross	
In	10/13/2020 15:58:35	Scale1	FBAXTER		Tare	70520 lb
Out	10/13/2020 16:06:12	Scale1	FBAXTER		Net	35960 lb
					Tons	34560 lb
						17.28

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	17.28	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	17.28	Tons				SPOKANE

Total Tax/Fees
Total Ticket

river's Signature

FR

he total amount includes fees and taxes that may not all be listed on this ticket due
imitation.

Graham Road Facility
1820 S. Graham Road
Medi ~~WASTE MANAGEMENT~~ 9022

Original
Ticket# 624398
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/14/2020 Vehicle# jeff
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201323865

	Time	Scale	Operator	Inbound	Gross	
In	10/14/2020 07:09:05	Scale1	ashield2		Tare	71780 lb 43840 lb
Out	10/14/2020 07:20:24	Scale1	ashield2		Net	27940 lb
					Tons	13.97

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	13.97	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	13.97	Tons				SPOKANE

Total Tax/Fees
Total Ticket

iver's Signature

ASBjeff

e total amount includes fees and taxes that may not all be listed on this ticket due to tec
nitiation.

WM Facility
1820 S. Ham Road
Medi WASTE MANAGEMENT 9022

Original
Ticket# 624417
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/14/2020 Vehicle# tim
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201323867

	Time	Scale	Operator	Inbound	Gross	
In	10/14/2020 09:39:40	Scale1	ashield2		Tare	75420 lb
Out	10/14/2020 09:52:13	Scale1	ashield2		Net	35820 lb
					Tons	39600 lb
						19.80

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.80	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHDI-Spokane Regional	100	19.80	Tons				SPOKANE

Total Tax/Fees
Total Ticket

river's Signature

AS R Tim

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

WMA Facility
18200 Ham Road
Medicine Hat, Alberta T1A 8G2

Original
Ticket# 624423
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/14/2020 Vehicle# JEFF
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check# 0001847
Hauling Ticket# Billing#
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201323868

In Time 10/14/2020 10:14:31 Scale1
Out 10/14/2020 10:35:04 Scale1

Operator
ashield2
ashield2

Inbound Gross
Tare
Net
Tons

75980 lb
43660 lb
32320 lb
16.16

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	16.16	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	16.16	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

JB R. J. A.

The total amount includes fees and taxes that may not all be listed on this ticket due to limitation.

WMA
Greene Facility
18200 W. 18th Road
Medicine, MT 59702

Original
Ticket# 624443
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN HARBORS
Ticket Date 10/14/2020 Vehicle# TIM
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 1
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201324908

	Time	Scale	Operator	Inbound	Gross	
In	10/14/2020 12:04:38	Scale1	sharrin5		Tare	71640 lb
Out	10/14/2020 12:19:01	Scale1	sharrin5		Net	35720 lb
					Tons	35920 lb
						17.96

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	17.96	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	17.96	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature *SH for Tim*

The total amount includes fees and taxes that may not all be listed on this ticket due to limitation.

Medina Street Management 9022

Customer Name CLEAN HARBORS
Ticket Date 10/14/2020
Payment Type Credit Account
Manual Ticket# 115434WA C
Route
Hauling Ticket#
Destination
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201324909

Ph: (509)244-0151
Original Ticket# 624459
Carrier CLEAN CLEAN HARBORS
Vehicle# JEFF
Container
Driver
Check#
Billing# 0001847
Grid

Time
In 10/14/2020 13:10:11 Scale
Out 10/14/2020 13:18:49 Scale1

Operator ashield2
ashield2
Inbound Gross 84800 lb
Tare 43560 lb
Net 41240 lb
Tons 20.62

Product		LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100						SPOKANE
2	EVF-P6-Environmental Fe	100	20.62	Tons				SPOKANE
3	SRHD1-Spokane Regional	100		%				SPOKANE
			20.62	Tons				

Total Tax/Fees
Total Ticket

Driver's Signature

AS R JEN

The total amount includes fees and taxes that may not all be listed on this ticket due to te
limitation.

1820 W. Main Road
Medi WASTE MANAGEMENT 9022

Ph: (509) 244-0151

Ticket# 624441

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/14/2020 Vehicle# carlos
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# 2201323869

Time	Scale	Operator	Inbound	Gross	79900 lb
n 10/14/2020 11:49:25	Scale1	ashield2		Tare	40360 lb
ut 10/14/2020 12:00:57	Scale1	sharrin5		Net	39540 lb
				Tons	19.77

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
Spwaste Solid Oth-Tons-	100	19.77	Tons				SPOKANE
EVF-P6-Environmental Fe	100		%				SPOKANE
SRHD1-Spokane Regional	100	19.77	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Signature *SH for Carlos*

amount includes fees and taxes that may not all be listed on this ticket due

WM
Grant Facility
1820 S. Main Road
Mediaware Management 9022

Original
Ticket# 624414
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/14/2020 Vehicle# carlos
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201323866

	Time	Scale	Operator	Inbound	Gross	
In	10/14/2020 09:09:22	Scale1	ashield2		Tare	83720 lb 40440 lb
Out	10/14/2020 09:19:08	Scale1	ashield2		Net	43280 lb
					Tons	21.64

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	21.64	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	21.64	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS For Carlos

The total amount includes fees and taxes that may not all be listed on this ticket due to tech limitation.

8203 Facility
Mediham Road.
WASTE MANAGEMENT 9022

Original
Ticket# 624736

Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C
Ticket Date 10/19/2020
Payment Type Credit Account
Manual Ticket#

Carrier CLEAN CLEAN HARBORS
Vehicle# JEFF

Route
Hauling Ticket#

Container
Driver
Check#
Billing# 0001847
Grid

Destination

Manifest 115434WA

Profile 115434WA (LF01 - Sediment)

Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201324910

	Time	Scale	Operator	Inbound	Gross	
In	10/19/2020 09:18:10	Scale1	ASHIELD2		Tare	76540 lb
Out	10/19/2020 09:27:43	Scale1	ASHIELD2		Net	43540 lb
					Tons	33000 lb
						16.50

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	16.50	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	16.50	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS Riden

The total amount includes fees and taxes that may not be listed on this ticket due to tax limitation.

333 Graham Road
WASTE MANAGEMENT 9022

Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C
Ticket Date 10/19/2020
Payment Type Credit Account
Ticket#
Carrier CLEAN HARBORS
Vehicle# JEFF
Container#
Driver JEFF
Check#
Billing# 0001847
Grid

Manifest 1
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
ID# w201324913

Time	Scale	Operator	Inbound	Gross	
10/19/2020 11:27:21	Scale1	sharrin5		Tare	77560 lb
10/19/2020 11:38:24	Scale1	sharrin5		Net	43940 lb
				Tons	33620 lb
					16.81

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	16.81	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	16.81	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature *SH for Jeff*

The total amount includes fees and charges that may not all be listed on this ticket due to technical limitation.

WMA
Graham Road Facility
1820 S. Graham Road.
Medi WASTE MANAGEMENT 9022

Original
Ticket# 625072
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/21/2020 Vehicle# JEFF
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# 201324917

	Time	Scale	Operator	Inbound	Gross	
In	10/21/2020 12:23:17	Scale1	fbaxter		Tare	77900 lb 35460 lb
Out	10/21/2020 12:33:07	Scale1	ashield2		Net	42440 lb
					Tons	21.22

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	21.22	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	21.22	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

ABR JUA

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

WMA
Graham Road Facility
18200 Graham Road
Medi ~~WASTE MANAGEMENT~~ 9022

Original
Ticket# 624985
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/20/2020 Vehicle# JEFF
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# 201324916

	Time	Scale	Operator	Inbound	Gross	
In	10/20/2020 14:11:20	Scale1	fbaxter		Tare	88780 lb
Out	10/20/2020 14:19:45	Scale1	fbaxter		Net	43980 lb
					Tons	44800 lb
						22.40

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	22.40	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	22.40	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

FB

The total amount includes fees and taxes that may not all be listed on this ticket due to limitation.

WASTE MANAGEMENT
Graham Road Facility
1820 S. Graham Road
Medi WASTE MANAGEMENT 9022

Original
Ticket# 624978
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/20/2020 Vehicle# CHRIS
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# 201324915

	Time	Scale	Operator	Inbound	Gross	
In	10/20/2020 13:27:36	Scale1	fbaxter		Tare	70360 lb
Out	10/20/2020 13:41:21	Scale1	fbaxter		Net	35260 lb
					Tons	35100 lb
						17.55

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	17.55	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	17.55	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

FB

The total amount includes fees and taxes that may not all be listed on this ticket due limitation.

WM
Grant Road Facility
1820 S. Grant Road
MediWASTE MANAGEMENT 9022

Original
Ticket# 624838
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/19/2020 Vehicle# JEFF
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201324914

	Time	Scale	Operator	Inbound	Gross	
In	10/19/2020 14:41:55	Scale1	ashield2		Tare	75280 lb
Out	10/19/2020 14:51:30	Scale1	ashield2		Net	35500 lb
					Tons	39780 lb
						19.89

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.89	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	19.89	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R-Jeap

The total amount includes fees and taxes that may not all be listed on this ticket due limitation.

Waste Management Facility
1820 S. Main Road
Medicine Hat, Alberta T1A 8P2
9022

Ph: (509)244-0151

Original
Ticket# 624776

Customer Name CLEAN HARBORS 115434WA C
Ticket Date 10/19/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
Manifest 1
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201324913

Carrier CLEAN HARBORS
Vehicle# JEFF
Container
Driver JEFF
Check#
Billing# 0001847
Grid

	Time	Scale	Operator	Inbound	Gross	
In	10/19/2020 11:27:21	Scale1	sharrin5		Tare	77560 lb
Out	10/19/2020 11:38:24	Scale1	sharrin5		Net	43940 lb
					Tons	33620 lb
						16.81

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	16.81	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	16.81	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

SH for Jeff

The total amount includes fees and taxes that may not all be listed on this ticket due to limitation.

Waste Management Facility
18200 Ham Road
MediWASTE MANAGEMENT 9022

Original
Ticket# 625221
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier CLEAN CLEAN HARBORS
Ticket Date 10/22/2020 Vehicle# STEPHANIE
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201328021

				Inbound	Gross	64700 lb
					Tare	36920 lb
In	10/22/2020 13:00:11	Scale1	ashield2		Net	27780 lb
Out	10/22/2020 13:14:47	Scale1	ashield2		Tons	13.89

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	13.89	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHDL1-Spokane Regional	100	13.89	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature AS P Stephanie

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

Facility
Ham Road
WASTE MANAGEMENT 9022

Customer Name CLEAN HARBORS 115434WA C
Ticket Date 10/22/2020
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
Manifest 115434WA
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# W201328020

Original
Ticket# 625220
Ph: (509)244-0151

Carrier CLEAN CLEAN HARBORS
Vehicle# JEFF
Container
Driver
Check#
Billing# 0001847
Grid

SCANNED

RECEIVED

Time
In 10/22/2020 12:58:52 Scale
Out 10/22/2020 13:13:50 Scale1

Operator
ashield2
ashield2

Inbound	Gross	89080 lb
	Tare	43400 lb
	Net	45680 lb
	Tons	22.84

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	22.84	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	22.84	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AB RJEK1

The total amount includes fees and taxes that may not all be listed on limitation.

Customer (Sign)

IMPORTANT - PAYMENT TERMS ON BACK

ORIGINAL COPY

NON-HAZARDOUS WASTE MANIFEST

Please print or type

(Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-002

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KNLP-154		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021				Site Address : SAME			
4. Generator's Phone (509) 927-6554							
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID			
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (761) 792-5000			
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		C. State Transporter's ID			
				D. Transporter 2 Phone			
				E. State Facility's ID			
				F. Facility's Phone (509) 244-0151			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		Unit Wt./Vol.	
a. NOT REGULATED BY DOT				01 TT		020 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201328026				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name Michael A. Murphy						Date Month Day Year 11 16 20	
Signature <i>Michael A. Murphy</i>							
17. Transporter 1 Acknowledgement of Receipt of Materials						Date	
Printed/Typed Name Josh Pate						Month Day Year 11 16 20	
Signature <i>Josh Pate</i>							
18. Transporter 2 Acknowledgement of Receipt of Materials						Date	
Printed/Typed Name						Month Day Year	
Signature							
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Ashun Shields						Date Month Day Year 11 16 20	
Signature <i>Ashun Shields</i>							

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

W
Graham Road Facility
1820 S. Graham Road
Medical Lake, WA 99022

Original
Ticket# 626779
Ph: (509) 244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier H20
Ticket Date 11/16/2020 Vehicle# josh
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201328026

	Time	Scale	Operator	Inbound	Gross	
In	11/16/2020 13:26:27	Scale1	ashield2		Tare	76960 lb 36620 lb
Out	11/16/2020 13:38:57	Scale1	ashield2		Net	40340 lb
					Tons	20.17

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	20.17	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	20.17	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R. Josh

The total amount includes fees and taxes that may not all be listed on this ticket due to technical limitation.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

SPK 2004296025-002

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. KNLP-155		2. Page 1 of 1	
3. Generator's Name and Mailing Address Kaiser Aluminum 2111 E Hawthorn RD Mead WA 99021 4. Generator's Phone: (509) 927-6554				Site Address : SAME			
5. Transporter 1 Company Name Clean Harbors Environmental Services, Inc.		6. US EPA ID Number MAD039322250		A. State Transporter's ID		B. Transporter 1 Phone (781) 792-5000	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Waste Management - Graham Road 1820 S. Graham Rd Medical Lake, WA 99022		10. US EPA ID Number TXNOTREORD31		E. State Facility's ID		F. Facility's Phone (509) 244-0151	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. NOT REGULATED BY DOT				01 TT		020 T	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above 11a.115434WA				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Disposal PO# W201328027				EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Kaiser Aluminum			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name Michael A. Murphy				Signature <i>[Signature]</i>		Date Month Day Year 11 / 16 / 20	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		Date Month Day Year 11 / 16 / 20	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.				Signature <i>[Signature]</i>		Date Month Day Year 11 / 16 / 20	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

W
Graham Road Facility
1820 S. Graham Road
Mediapolis, IA 52051
Call 563-299-0222

Original
Ticket# 626795
Ph: (509)244-0151

Customer Name CLEAN HARBORS 115434WA C Carrier H20
Ticket Date 11/16/2020 Vehicle# josh
Payment Type Credit Account Container
Manual Ticket# Driver
Route Check#
Hauling Ticket# Billing# 0001847
Destination Grid
Manifest 115434wa
Profile 115434WA (LF01 - Sediment)
Generator 168-KAISER ALUMINUM INVESTMENT KAISER ALUMINUM INVESTMENT COMPANY 2111 E HA
PO# w201328027

	Time	Scale	Operator	Inbound	Gross	
In	11/16/2020 15:39:52	Scale1	ashield2		Tare	75100 lb 36660 lb
Out	11/16/2020 15:51:27	Scale1	ashield2		Net	38440 lb
					Tons	19.22

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Spwaste Solid Oth-Tons-	100	19.22	Tons				SPOKANE
2 EVF-P6-Environmental Fe	100		%				SPOKANE
3 SRHD1-Spokane Regional	100	19.22	Tons				SPOKANE

Total Tax/Fees
Total Ticket

Driver's Signature

AS R. Josh

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

APPENDIX D

Liner Installation Documentation



**NORTHWEST LININGS &
GEOTEXTILE PRODUCTS, Inc.**
"Helping to Protect the Environment"

21000 77th Avenue South
Kent, WA 98032
(253) 872-0244 / (800) 729-6954
FAX: (253) 872-0245

Date: 10/22/2020

Job #: N20402

Destructive Testing Form

Project Name: Kaiser Mead Temp Stormwater Pond Supervisor: Sue P
 Project Location: Mead, WA Engineer:
 Project Description: Stormwater Contractor: Clean Harbors
 Project Manager: KA Contact: Ken Montgomery

Material: 40 HD T

Date/ Time	Panel Numbers	Sample I.D.	Tester Initials	Machine Number	Track Peel Values			Tensile Value		Lab	
					In- side	Out- side	Pass/ Fail	LBS/ Inch	Pass / Fail	Pass / Fail	Peel/ Tensile
10/22/2020 3pm	P8/9	DS-1	PP	PT-7314	76	77	Pass	141	Pass		
					79	77	Pass	139	Pass		
					81	79	Pass	140	Pass		
					73	72	Pass	129	Pass		
					67	68	Pass	128	Pass		
Comments:											
10/22/2020 305p	P12/13	DS-2	PP	PT-7314	97	97	Pass	146	Pass		
					81	80	Pass	149	Pass		
					78	76	Pass	138	Pass		
					77	77	Pass	126	Pass		
					85	81	Pass	141	Pass		
Comments:											
10/22/2020 307pm	P15/16	DS-3	PP	PT-7314	79	76	Pass	145	Pass		
					68	69	Pass	156	Pass		
					77	79	Pass	149	Pass		
					80	80	Pass	133	Pass		
					91	90	Pass	145	Pass		
Comments:											
Comments:											
Comments:											
Comments:											
Comments:											
Comments:											
Comments:											

~~Weekly Per Diem Reconciliation~~

Week Ending:

10-24-20

Supervisor:

Sue Phouthavong

Job # P20402

KAISER MEAD STORMWATER POND

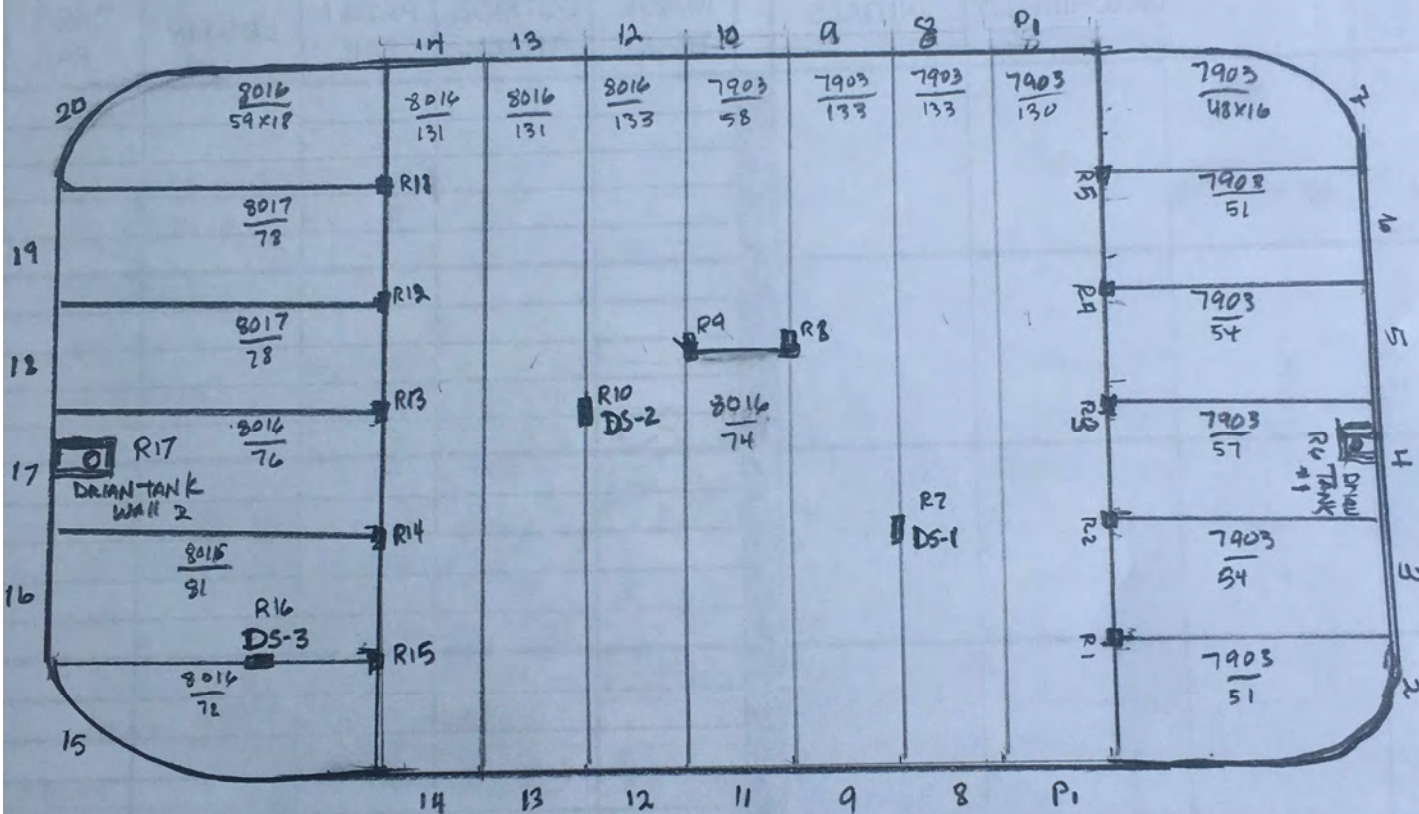
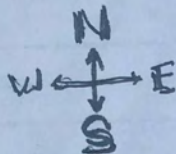
P20402

MEAD, WA

■ Repair

■ DS

▣ TANK CONCRET WALLS





**NORTHWEST LININGS &
GEOTEXTILE PRODUCTS, Inc.**
"Helping to Protect the Environment"

21000 77th Avenue South
Kent, WA 98032
(253) 872-0244 / (800) 729-6954
FAX: (253) 872-0245

Date: 1/22/2020
Job #: N20402

Non Destructive Testing Form

Project Name: Kaiser Mead Temp Stormwater Pond
Project Location: Mead, WA
Project Description: Stormwater
Project Manager: KA

Supervisor: Sue P
Engineer: _____
Contractor: Clean Harbors
Contact: Ken Montgomery

Material: 40 HD T

Date/ Time	Panel Numbers	tester initial	Air Pressure Testing						V-Box Pass/ Fail	Comments / Location
			Start Pressure	Start Time	Ending Pressure	End Time	Pressure Loss	Pass/ Fail		
10/22/20	1/2	MG	30	13:00	30	13:05	0	Pass		
10/22/20	2/3	MG	30	13:00	30	13:05	0	Pass		
10/22/20	1/3	MG	30	13:06	30	13:11	0	Pass		
10/22/20	3/4	MG	30	13:06	30	13:11	0	Pass		
10/22/20	1/4	MG	30	13:12	30	13:17	0	Pass		
10/22/20	4/5	MG	30	13:12	30	13:17	0	Pass		
10/22/20	1/5	MG	30	13:18	30	13:23	0	Pass		
10/22/20	5/6	MG	30	13:18	30	13:23	0	Pass		
10/22/20	1/6	MG	30	13:25	30	13:30	0	Pass		
10/22/20	6/7	MG	30	13:25	30	13:30	0	Pass		
10/22/20	1/7	MG	30	13:40	30	13:45	0	Pass		
10/22/20	1/8	MG	30	13:50	30	13:55	0	Pass		
10/22/20	8/9	MG	30	14:00	30	14:05	0	Pass		
10/22/20	9/10	MG	30	14:20	30	14:25	0	Pass		
10/22/20	10/11	MG	30	14:30	30	14:35	0	Pass		
10/22/20	9/11	MG	30	14:45	30	14:50	0	Pass		
10/22/20	10/12	MG	30	15:00	30	15:05	0	Pass		
10/22/20	11/12	MG	30	15:15	30	15:20	0	Pass		
10/22/20	12/13	MG	30	15:21	30	15:26	0	Pass		
10/22/20	13/14	MG	30	15:40	30	15:45	0	Pass		

21000 77th Avenue South
Kent, WA 98032
(253) 872-0244 / (800) 729-6954
FAX: (253) 872-0245

Job #: N20402

Supervisor: _____ Sue P
Engineer: _____
Contractor: _____ Clean Harbors
Contact: _____ Ken Montgomery

[illegible]

21000 77th Avenue South
Kent, WA 98032
(253) 872-0244 / (800) 729-6954
FAX: (253) 872-0245

Job #: P20402

Supervisor: Sue P
Engineer: _____
Contractor: Clean Harbors
Contact: Ken Montgomery

Notes: 38842.5



**NORTHWEST LININGS &
GEOTEXTILE PRODUCTS, Inc.**

"Helping to Protect the Environment"

21000 77th Avenue South
Kent, WA 98032
(253) 872-0244 / (800) 729-6954
FAX: (253) 872-0245

Date: 10/22/2020
Job #: N20402

Panel Seaming Form

Project Name: Kaiser Mead Temp Stormwater Pond
Project Location: Mead, WA
Project Description: Stormwater
Project Manager: KA

Supervisor: Sue P
Engineer:
Contractor: Clean Harbors
Contact: Ken Montgomery

Material: 40 HD T

Date/ Time	Panel Numbers	Seam Length	Seamer Initials	Machine Number	Machine Temp	Ambient Temp	Weather / Comments
10/22/20	2/3	52	DK	463	800	35	S/E side corner
10/22/20	3/4	54	DK	463	800	35	S/E side corner
10/22/20	4/5	57	DK	463	800	35	East side end pond
10/22/20	5/6	54	SP	3318	800	35	East side end pond
10/22/20	6/7	51	DK	463	800	35	N/E corner pond
10/22/20	1/2	23.5	SP	3318	800	39	N to south side
10/22/20	1/3	23.5	SP	3318	800	39	East side end pond
10/22/20	1/4	23.5	SP	3318	800	39	East side end pond
10/22/20	1/5	23.5	SP	3318	800	39	East side end pond
10/22/20	1/6	23.5	SP	3318	800	39	N/E corner pond
10/22/20	1/7	23.5	SP	3318	800	39	N/E corner pond
10/22/20	1/8	130	DK	463	800	39	N/S side pond
10/22/20	8/9	133	DK	463	800	39	N/S side pond
10/22/20	9/10	58	DK	463	800	39	from north side to center
10/22/20	10/11	23.5	DK	463	800	39	bottom pond cross seam
10/22/20	9/11	74	DK	463	800	39	South side to center
10/22/20	10/12	58	DK	463	800	39	from north side to center
10/22/20	11/12	74	DK	463	800	39	from south side to center
10/22/20	12/13	133	SP	3318	800	39	N/S side pond
10/22/20	13/14	131	SP	3318	800	39	N/S side pond

21000 77th Avenue South
Kent, WA 98032
(253) 872-0244 / (800) 729-6954
FAX: (253) 872-0245

Job #: N20402

Supervisor:	Sue P
Engineer:	
Contractor:	Clean Harbors
Contact:	Ken Montgomery

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**NORTHWEST LININGS &
GEOTEXTILE PRODUCTS, Inc.**

"Helping to Protect the Environment"

21000 77th Avenue South
Kent, WA 98032
(253) 872-0244 / (800) 729-6954
FAX: (253) 872-0245

Date: 10/22/2020

Job #: N20402

Repair Report

Project Name: KaiserMead Temp Stormwater Pond
Project Location: Mead, WA
Project Description: Stormwater
Project Manager: KaiserMead Temp Stormwater Pond

Supervisor: Sue P
Engineer:
Contractor: Clean Harbors
Contact: Ken Montgomery

Date	Repair ID#	Panel Numbers	Extruder Number	Operator Initials	Type of Repair/Detail/Location (I.E.: DT Patch, Rock Hole, Burn Out, Failed Seam, ETC.)	V-Box Pass/Fail
10/22/20	R1	P1/2/3	6417	MG	1 x 1 Patch (P) @ T (3 panel intersection)	Pass
10/22/20	R2	P1/3/4	6417	MG	1 x 1 P @ T	Pass
10/22/20	R3	P1/4/5	6417	MG	1 x 1 P @ T	Pass
10/22/20	R4	P1/5/6	6417	MG	1 x 1 P @ T	Pass
10/22/20	R5	P1/6/7	6417	MG	1 x 1 P @ T	Pass
10/22/20	R6	P4/structure #1	6417	MG	east side supply concret walls	Pass
10/22/20	R7	P8/9	6417	MG	DS-1 2x6 P	Pass
10/22/20	R8	P9/10/11	6417	MG	1 x 1 P @ T	Pass
10/22/20	R9	P10/11/12	6417	MG	1 x 1 P @ T	Pass
10/22/20	R10	P12/13	6417	MG	DS-2 2x6 P	Pass
10/22/20	R11	P14/19/20	6417	MG	1 x 1 P @ T	Pass
10/22/20	R12	P14/18/19	6417	MG	1 x 1 P @ T	Pass
10/22/20	R13	P14/17/18	6417	MG	1 x 1 P @ T	Pass
10/22/20	R14	P14/16/17	6417	MG	1 x 1 P @ T	Pass
10/22/20	R15	P14/15/16	6417	MG	1 x 1 P @ T	Pass
10/22/20	R16	P15/16/DS-3	6417	MG	DS 2x6 P	Pass
10/22/20	R17	P17/structure #2	6417	MG	west side drain concret wall	Pass



**NORTHWEST LININGS &
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Kent, WA 98032
(253) 872-0244 / (800) 729-6954
FAX: (253) 872-0245

Date: 10/22/20

Job #: P20402

Geomembrane Weld Trial Log

Project Name: Kaiser Mead Temp. Stormwater Pond
Project Location: Mead, WA
Project Description: Stormwater
Project Manager: Kaiser Mead Temp. Stormwater Pond

Supervisor: Sue P
Engineer: _____
Contractor: Clean Harbors
Contact: Ken Montgomery

Material: 40 HD T

Date/ Time	Seamer Initials	Machine Number	Wedge Welder		Extruder		Track Peel Values			Tensile Value	
			Wedge Temp	Nip Roller Speed	Barrel Temp	Preheat Temp	In- side	Out- side	Pass/ Fail	LBS/Inch	Pass/ Fail
10/22/2020 800am	DK	463	800°	5			76	80	Pass	139	Pass
Comments: _____ _____ Ambient Temp: 39							79	69	Pass	132	Pass
							81	79	Pass	140	Pass
							77	70	Pass	129	Pass
							67	69	Pass	141	Pass
10/22/2020 900am	SP	3318	800	5			97	90	Pass	139	Pass
Comments: _____ _____ Ambient Temp: 39							78	81	Pass	137	Pass
							75	81	Pass	129	Pass
							78	77	Pass	134	Pass
							81	80	Pass	140	Pass
10/22/2020 1pm	DK	463	800	5.5			77	80	Pass	137	Pass
Comments: _____ _____ Ambient Temp: 41							71	75	Pass	146	Pass
							79	77	Pass	140	Pass
							69	71	Pass	137	Pass
							80	76	Pass	142	Pass
10/22/2020 130pm	MG	6417			430	500	100		Pass	147	Pass
Comments: _____ _____ Ambient Temp: 41							98		Pass	152	Pass
							89		Pass	161	Pass
							101		Pass	175	Pass
							106		Pass	178	Pass
Comments: _____ _____ Ambient Temp: _____											
Comments: _____ _____ Ambient Temp: _____											
Comments: _____ _____ Ambient Temp: _____											
Comments: _____ _____ Ambient Temp: _____											
Comments: _____ _____ Ambient Temp: _____											

APPENDIX E

EPA Letter

From: [Scott, Edgar](#)
To: [Scott Lathen](#)
Subject: Fwd: Completion of Removal field activities under ASAO
Date: Tuesday, November 3, 2020 5:32:31 PM

[EXTERNAL]

Scott,

We are done with the Agreed Order with EPA.

Please, take down the Edgar Scott contact information signs off the fence.

Thanks!

Sent from my Verizon, Samsung Galaxy smartphone
Get [Outlook for Android](#)

From: edgar.scott@kaiseraluminum.com <edgar.scott@kaiseraluminum.com>
Sent: Tuesday, November 3, 2020 5:02:32 PM
To: Donnan, John <John.Donnan@KaiserAluminum.com>; Crawford, Roger (Roger.Crawford@kaiseraluminum.com) <Roger.Crawford@kaiseraluminum.com>; Fischer, Tre (tfischer@jw.com) <tfischer@jw.com>; Schneider, Mark W. (Perkins Coie) (MWSchneider@perkinscoie.com) <MWSchneider@perkinscoie.com>; Leber, Bud (Bud.Leber@kaisertwd.com) <Bud.Leber@kaisertwd.com>; Barneson, John <John.Barneson@KaiserAluminum.com>; Weaver, Brant <brant.weaver@kaiseraluminum.com>
Subject: Fwd: Completion of Removal field activities under ASAO

All,

Looks like we are done with the ASAO with EPA.

Thanks

Edgar

Sent from my Verizon, Samsung Galaxy smartphone
Get [Outlook for Android](#)

From: Stanfield, Brooks <Stanfield.Brooks@epa.gov>
Sent: Tuesday, November 3, 2020, 3:02 PM
To: Scott, Edgar
Cc: Leefers, Kristin; Fowlow, Jeffrey; Leber, Bud; Fischer, Tre; Crawford, Roger
Subject: [EXTERNAL] Completion of Removal field activities under ASAO

Edgar-

Under Section VIII of the ASAO (Work To Be Performed), Paragraph 25 states that the removal action would be conducted in two phases. Phase I required removal of contaminated sediment and water that has accumulated in the upper and lower settling ponds as well as in the stormwater conveyance system. Phase II would address the reconstruction of the settling ponds and stormwater conveyance system “and restoration to functional status as part of the ongoing stormwater management system.” Paragraph 25 further states, “The second phase may be modified, in accordance with Section XXV (Modification), to account for the potential design and construction of an alternative stormwater management system.”

In the draft Phase II workplan KAIC submitted to EPA on October 9, 2020, KAIC outlined the steps it was taking to return the lower settling pond to functional status following contamination removal activities by electing to install a new 40-mil impermeable liner on top of the existing liner and protective sand bed to address holes discovered in that liner and prevent any future leakage. KAIC indicated that it would delay deciding whether to pursue the construction of an alternative stormwater management system until March 15, 2021. EPA has considered additional information provided by KAIC on the engineering, QA protocols, and technical specifications of the reconstruction of the lower pond and - following the field evaluation conducted on October 30, 2020 - we have determined that the newly constructed lower settling pond indeed constitutes completion of removal work under Phase II as required by Paragraph 25 of the ASAO.

After reviewing the draft Phase II Workplan project actions and corresponding regulatory oversight needed for construction of an alternative stormwater management system, EPA believes that the Washington Department of Ecology is best positioned to serve as the regulatory agency to approve and oversee construction of any proposed alternative system. If KAIC decides that it wants to proceed with construction of the alternative stormwater management system, it will have the same opportunity to do so whether or not the project is constructed under EPA oversight pursuant to the ASAO. As mentioned in our in-person meeting today, EPA will be glad to serve as a resource in that effort in any way we can by sharing whatever information we can regarding findings from our removal on the Spokane Recycling property.

We want to thank you for giving your full cooperation to us and our START contractors who have been supporting us over the course of this field operation. Having this work completed before more precipitation comes our way is an accomplishment we should all feel good about.

We will look forward to getting your final report, which, as you know, should be submitted to EPA within 60 days of receipt of this email. Please let me know if there are any questions in the meantime.

Thanks again for all the hard work you and Bud brought to this project.

Brooks Stanfield
Federal On-Scene Coordinator
U.S. EPA Region 10
1200 Sixth Ave. Suite 155, 13-J07
Seattle WA 98101-3140

stanfield.brooks@epa.gov

(o) 206-553-4423

(c) 206-379-2996



APPENDIX F

Report Limitations and Guidelines for Use

APPENDIX F

REPORT LIMITATIONS AND GUIDELINES FOR USE¹

This appendix provides information to help you manage your risks with respect to the use of this report.

Environmental Services Are Performed for Specific Purposes, Persons and Projects

This report has been prepared for the exclusive use of Kaiser Aluminum Investments Company (KAIC), their authorized agents and regulatory agencies. This report is not intended for use by others and the information contained herein is not applicable to other sites.

GeoEngineers structures our services to meet the specific needs of our clients. For example, an environmental site assessment study conducted for a property owner may not fulfill the needs of a prospective purchaser of the same property. Because each environmental study is unique, each environmental report is unique, prepared solely for the specific client and project site. No one except KAIC should rely on this environmental report without first conferring with GeoEngineers. This report should not be applied for any purpose or project except the one originally contemplated.

This Environmental Report is Based on a Unique Set of Project-Specific Factors

This report has been prepared for KAIC. GeoEngineers considered a number of unique, project-specific factors when establishing the scope of services for this project and report. Unless GeoEngineers specifically indicates otherwise, do not rely on this report if it was:

- not prepared for you,
- not prepared for your project,
- not prepared for the specific site explored, or
- completed before important project changes were made.

If important changes are made after the date of this report, GeoEngineers should be given the opportunity to review our interpretations and recommendations and provide written modifications or confirmation, as appropriate.

Reliance Conditions for Third Parties

Our report was prepared for the exclusive use of our Client. No other party may rely on the product of our services unless we agree in advance to such reliance in writing. This is to provide our firm with reasonable protection against open-ended liability claims by third parties with whom there would otherwise be no contractual limits to their actions. Within the limitations of scope, schedule and budget, our services have been executed in accordance with our Agreement with the Client and generally accepted environmental practices in this area at the time this report was prepared.

¹ Developed based on material provided by ASFE, Professional Firms Practicing in the Geosciences; www.asfe.org.

Environmental Regulations are Always Evolving

Some substances may be present in the site vicinity in quantities or under conditions that may have led, or may lead, to contamination of the subject site, but are not included in current local, state or federal regulatory definitions of hazardous substances or do not otherwise present current potential liability. GeoEngineers cannot be responsible if the standards for appropriate inquiry, or regulatory definitions of hazardous substance, change or if more stringent environmental standards are developed in the future.

Subsurface Conditions Can Change

This environmental report is based on conditions that existed at the time the study was performed. The findings and conclusions of this report may be affected by the passage of time, by manmade events such as construction on or adjacent to the site, by new releases of hazardous substances, or by natural events such as floods, earthquakes, slope instability or groundwater fluctuations. Always contact GeoEngineers before applying this report to determine if it is still applicable.

Soil and Groundwater End Use

The cleanup levels referenced in this report are site-and situation-specific. The cleanup levels may not be applicable for other sites or for other on-site uses of the affected media (soil and/or groundwater). Note that hazardous substances may be present in some of the site soil and/or groundwater at detectable concentrations that are less than the referenced cleanup levels. GeoEngineers should be contacted prior to the export of soil or groundwater from the subject site or reuse of the affected media on site to evaluate the potential for associated environmental liabilities. We cannot be responsible for potential environmental liability arising out of the transfer of soil and/or groundwater from the subject site to another location or its reuse on site in instances that we were not aware of or could not control.

Most Environmental Findings are Professional Opinions

Our interpretations of subsurface conditions are based on field observations and chemical analytical data from widely spaced sampling locations at the site. Site exploration identifies subsurface conditions only at those points where subsurface tests are conducted or samples are taken. GeoEngineers reviewed field and laboratory data and then applied our professional judgment to render an opinion about subsurface conditions throughout the site. Actual subsurface conditions may differ – sometimes significantly – from those indicated in this report. Our report, conclusions and interpretations should not be construed as a warranty of the subsurface conditions.

Do Not Redraw the Exploration Logs

Environmental scientists prepare final boring and testing logs based upon their interpretation of field logs and laboratory data. To prevent errors or omissions, the logs included in an environmental report should never be redrawn for inclusion in other design drawings. Only photographic or electronic reproduction is acceptable, but recognizes that separating logs from the report can elevate risk.

Read These Provisions Closely

Some clients, design professionals and contractors may not recognize that the geoscience practices (geotechnical engineering, geology and environmental science) are far less exact than other engineering and natural science disciplines. This lack of understanding can create unrealistic expectations that could lead to disappointments, claims and disputes. GeoEngineers includes these explanatory “limitations”

provisions in our reports to help reduce such risks. Please confer with GeoEngineers if you are unclear how these “Report Limitations and Guidelines for Use” apply to your project or site.

Geotechnical, Geologic and Geoenvironmental Reports Should Not be Interchanged

The equipment, techniques and personnel used to perform an environmental study differ significantly from those used to perform a geotechnical or geologic study and vice versa. For that reason, a geotechnical engineering or geologic report does not usually relate any environmental findings, conclusions or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. Similarly, environmental reports are not used to address geotechnical or geologic concerns regarding a specific project.

Biological Pollutants

GeoEngineers’ Scope of Work specifically excludes the investigation, detection, prevention or assessment of the presence of Biological Pollutants. Accordingly, this report does not include any interpretations, recommendations, findings, or conclusions regarding the detecting, assessing, preventing or abating of Biological Pollutants and no conclusions or inferences should be drawn regarding Biological Pollutants, as they may relate to this project. The term “Biological Pollutants” includes, but is not limited to, molds, fungi, spores, bacteria and viruses, and/or any of their byproducts.

If Client desires these specialized services, they should be obtained from a consultant who offers services in this specialized field.

