Linebach ▪ Funkhouser, Inc.
environmental compliance & consulting

September 29, 2005

Mr. Greg Caron
Site Manager - Hydrogeologist
Washington Department of Ecology
15 West Yakima Avenue, Suite 200
Yakima, Washington 98902-3452

Re: ***Cleanup Action Report*** - DRAFT
Bay Zinc Company Facility
Moxee, Washington
Linebach Funkhouser Project Number 100-02

Dear Mr. Caron:

Linebach Funkhouser, Inc. (LFI), consultant for the Bay Zinc Company, Inc. (Bay Zinc), has prepared the enclosed report of soil and groundwater remediation activities conducted at Bay Zinc's Moxee, Washington facility. Remediation work at the site was conducted in accordance with an Agreed Order dated August 30, 2002, established between Bay Zinc and the Washington Department of Ecology (Ecology).

As part of implementing the remediation activities, Bay Zinc:

- Excavated and disposed of over 12,320 tons of affected soil over a 3-year period from 10 different areas of the site.
- Installed a groundwater pump-and-treat system that included an ion-exchange groundwater treatment unit. Approximately 2.5 million gallons of groundwater have been pumped since 2003.
- Established a quarterly groundwater monitoring program that is ongoing.
- Conducted further assessment to delineate the boundaries of affected shallow backfill beneath asphalt paved areas on the south and east sides of the New Warehouse.

Since October of 2002, Bay Zinc has invested in excess of $1.2 million to diligently implement soil and groundwater remediation work at the site.

LFI and Bay Zinc appreciate the input and assistance Ecology has provided during the course of this project. Please contact the undersigned at 502-895-5009 if you have any questions about the enclosed report.

Sincerely,

Bradley L. Coyle
By mm

Bradley L. Coyle
Project Geologist

Roy V. Funkhouser

Roy V. Funkhouser, P.G.
Principal
Washington Certified Hydrogeologist No. 2090

cc: Richard Camp, Bay Zinc Company
Lyle Beaudoin, Teck Cominco American Inc.

Linebach ▪ Funkhouser, Inc.
environmental compliance & consulting

May 9, 2006

Mr. Greg Caron
Washington Department of Ecology
Hazardous Waste and Toxics Reduction Program
Central Regional Office
15 West Yakima, Suite 200
Yakima, Washington 98902-3452

Re: ***Response to Ecology Comments***
Cleanup Action Report
Bay Zinc Company Facility
Moxee, Washington
Linebach Funkhouser Project Number 100-02

Dear Mr. Caron:

Linebach Funkhouser, Inc. (LFI), consultant for Bay Zinc Company, Inc. (Bay Zinc), has prepared this response to comments received from the Washington Department of Ecology (Ecology) pertaining to the September 29, 2005 Cleanup Action Report for the Bay Zinc facility in Moxee, Washington. Since the revisions required to address Ecology's comments are minor, as requested by Ecology, LFI has enclosed copies of the pages on which the changes were made rather than reproducing new copies of the entire document. Changes made to address Ecology comments are summarized as follows:

- Page 11, Section 3.8, Fourth Line. The wording "Prior to excavation" has been changed to "Following excavation."
- Table 10. Cleanup level exceedances have been highlighted in bold type.
- Appendix C, MW-1A Plot. The date-of-measurement axis along the top of the plot has been corrected.
- Page 20, Section 5.0. Second Line of Table. Wording has been changed to reflect that 9 grid blocks (not 10) did not meet target cleanup levels.

LFI understands that, with the submittal of the enclosed revised pages, the Cleanup Action Report will be considered finalized. As discussed in Section 6.0 of the Cleanup Action Report, certain limited areas of affected soil to be left in place at this time will be addressed through preparation and subsequent implementation of a Site Management Plan. Groundwater monitoring and remediation efforts will be ongoing. LFI understands that Ecology is currently

working with Bay Zinc to develop actions necessary for Bay Zinc to receive a Notice-of-Completion with respect to the 2002 Agreed Order, with ongoing groundwater remediation/monitoring work conducted under the auspices of Ecology's hazardous waste (RCRA) program, as it has since 1985.

LFI and Bay Zinc appreciate Ecology's review efforts and comments. Please contact the undersigned at 502-895-5009 if you have any questions or further comments.

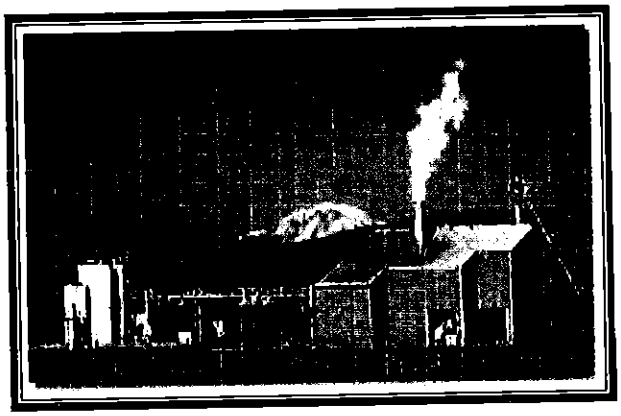
Sincerely,

Bradley L. Coyle
Project Geologist

Roy V. Funkhouser, P.G.
Principal
Washington Certified Hydrogeologist No. 2090

cc: Richard Camp, Bay Zinc Co.
Lyle Beaudoin, Teck Cominco American Inc.

CLEANUP ACTION REPORT



Bay Zinc Facility
Moxee, Washington

Prepared by:

Linebach ▪ Funkhouser, Inc.
environmental compliance & consulting

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1.0 BACKGROUND

Bay Zinc Company, Inc. (Bay Zinc) operates a micronutrient fertilizer manufacturing facility in Moxee, Washington, approximately 6 miles east of Yakima (Figure 1). Environmental assessment and remediation activities have been conducted at the site at various time periods since the 1980s, primarily in association with historic releases of zinc sulfate solution. Groundwater monitoring has been ongoing at the site since 1985 as part of Bay Zinc's Resource Recovery and Conservation Action (RCRA) Joint Permit for the Storage of Hazardous Waste. A *Preliminary Remedial Action Plan* (PRAP) was submitted to Ecology in 1988 to address levels of sulfate, manganese, and zinc in groundwater.

In 1989, a *Remedial Action Plan Performance Evaluation Report* was submitted to Ecology. Two groundwater extraction wells were installed. In 1992, a waste pile containing flue dust (K061) and other feed stock production raw material used for fertilizer manufacturing was removed. A *Waste Pile Closure Report*, dated February 27, 1993 was submitted to Ecology. In 1999, a *Stormwater Runoff Control Plan*, prepared to address areas of observed potential surface soil impact caused by stormwater runoff from paved areas of the site, was submitted to Ecology. In 2000, USEPA Region 10 conducted a site-wide RCRA Facility Assessment, identifying 8 solid waste management units (SWMUs) and 10 areas of concern (AOCs).

In February, March and April of 2002, extensive environmental assessment work was conducted at the Bay Zinc property in association with a transaction involving certain assets of the facility. The work was conducted to evaluate soil and groundwater potentially affected by historic releases at the site. Assessment results were included in a June 13, 2002 *Remedial Investigation Report/Voluntary Cleanup Plan* (RI/VCP), prepared by Linebach Funkhouser, Inc. (LFI) and submitted to the Washington Department of Ecology (Ecology). Certain metal and inorganic constituents were detected in soil and groundwater at the site at concentrations exceeding clean closure (non-restricted use) cleanup goals established by Ecology.

On August 30, 2002, an Agreed Order was established between Bay Zinc and the Washington Department of Ecology (Ecology) to address the aforementioned detections of constituents

identified in the RI/VCP. Bay Zinc initiated the request for establishing the Agreed Order, which was a component of the aforementioned asset purchase. The Agreed Order included a *Cleanup Action Plan* prepared by Ecology.

On October 18, 2002, a *Compliance Monitoring Plan* (CMP) was completed by LFI and submitted to Ecology. The CMP was subsequently approved by Ecology and incorporated by reference into the *Cleanup Action Plan.* The CMP called for the following activities:

- Excavation and off-site disposal of soil from the previously identified solid waste management units (SWMUs) and areas of concern (AOCs).
- Continued use of an existing groundwater pumping well (MW-8) to control groundwater migration and remove affected water from the uppermost groundwater producing zone.
- Installation of an ion-exchange groundwater treatment unit.
- Quarterly groundwater monitoring with the possibility to revert to semi-annual monitoring after the first full calendar year of quarterly monitoring, based on the results and receipt of approval from Ecology.

Excavation and off-site disposal of soil was conducted over a period between October of 2002 through August of 2004. Quarterly groundwater monitoring was instituted in 2003. The ion-exchange unit was installed in February of 2003, and after adjustments became operational at the end of the first quarter of 2003.

Based on the Remedial Investigation results, the following areas of the site were designated for soil cleanup (see Figure 2):

- SWMU-1 (Rail Spur Area – Container Storage Area C)
- AOC-1 (Railroad Gate Area)
- AOC-2 (East Fence Line)
- AOC-3 (Boneyard)
- AOC-5 (Back Lot Fill and Adjoining Areas)
- SWMU-6 (Mud Wash Area)

- AOC-7/AOC-8 (Areas Along the Western Fence Line and the Warehouse)
- AOC-10 (Loading/Unloading Areas Around the "New Building" Housing the Zinc Sulfate Process)
- South Property Line along the Railroad Tracks

2.0 OBJECTIVE

The overall objective for remediation at the site was to eliminate or manage environmental risk to human health and the environment. The key constituents driving the remediation efforts and the risk-based goal for each were as follows:

SOIL

Constituents	Remediation Goal
➢ Cadmium	36 milligrams per kilogram (mg/kg)
➢ Lead	220 mg/kg
➢ Zinc	24,000* mg/kg

* If the zinc standard of 24,000 mg/kg is exceeded, cleanup is to be conducted to meet a standard of 570 mg/kg.

GROUNDWATER

Constituent	Remediation Goal
➢ Chloride	250 mg/l*
➢ Sulfate	250 mg/l*
➢ Cadmium	0.005 mg/l
➢ Manganese	0.05 mg/l*
➢ Zinc	5.0 mg/l*

* Represents USEPA Secondary Maximum Contaminant Levels (MCLs) for drinking water supplies. Secondary MCLs are based on aesthetic (not health-based) criteria. USEPA recommends secondary standards to water systems, but does not require systems to comply.

According to Mr. Byron Adams with the City of Moxee (Public Utilities Section), elevated levels of sulfate in shallow groundwater are representative of background conditions in and around Moxee due to the highly agricultural nature of the area and the extensive application of fertilizers containing sulfate.

3.0 DESCRIPTION OF SOIL REMEDIATION ACTIVITIES AND RESULTS

As stated previously, excavation and off-site disposal of soil was conducted over a period between October of 2002 through August of 2004. Soil excavation work was completed approximately one year ahead of the schedule outlined in the Corrective Action Plan. LFI conducted sampling activities, provided oversight during soil removal, and completed confirmation sampling in accordance with the CMP. Extensive sampling to delineate the boundaries of targeted areas designated for soil removal was conducted in 2002. Results were provided in LFI's *Remedial Investigation Report/Voluntary Cleanup Plan,* dated June 13, 2002, previously submitted to Ecology.

Soil excavation, loading, and backfill work was conducted by Northwest Environmental Services, Inc., Riddle, Oregon. Laboratory analytical work was conducted by Alliance Analytical Laboratories (Yakima, WA) and Columbia Inspection, Inc. (Portland, OR). LFI personnel were on-site throughout the episodes of soil remediation to oversee work conducted in each of the excavated areas.

Field measurements were made and confirmation samples were collected to assure that targeted depths were met or exceeded in each area. Soils were excavated with a backhoe or similar equipment and stockpiled on plastic or asphalt pavement at the facility, or loaded directly into dump trucks for transportation off-site. The extent of soil removal was based on confirmation sampling results and the guidelines established within the Agreed Order. Stockpiled soil was characterized, profiled accordingly, and then disposed of at Waste Management, Inc.'s waste disposal facility in Arlington, Oregon. Soil remediation included the excavation and disposal of over 12,520 tons of soil, including 797 tons that were profiled and disposed as a hazardous waste. Receipts from Waste Management, Inc. documenting the soil disposal are provided in Appendix A.

Once verification that cleanup objectives had been met within a particular area, the excavated area was backfilled with soil from a borrow area immediately east of the facility properly line. The borrow area was an undeveloped open field owned by Mr. Richard Camp. Prior to use, the borrow area was sampled for the key constituents of concern to confirm that clean fill was being backfilled into areas that had already been remediated. Soil samples from the borrow area were collected at depths of approximately 0 to 1 foot at six equidistant locations along the length of the area. Samples were analyzed for cadmium, lead and zinc. The laboratory report is in Appendix B. Results were as follows.

Borrow Soil Sampling Location	Cadmium	Lead	Zinc
Site 1	0.31	17.2	119
Site 2	0.20	12.2	88.6
Site 3	0.30	21.9	111
Site 4	0.17	8.4	58.6
Site 5	0.22	12.4	93.6
Site 6	0.44	31.6	200

Samples collected on October 30, 2002.
All concentrations in milligrams per kilogram.

3.1 SMWU-1: Container Storage Area C – Rail Spur Area

Work in SWMU-1 was conducted over the dates of November 4, 2002 through December 18, 2002. Remediation work included the following activities:

Container Storage Area C

- Approximately 170 feet of railroad track was removed from the rail car unloading area known as Container Storage Area C. The area is a triangular tract immediately adjacent to the east side of the East Storage Building (Figure 2). The removed track extended from the southern boundary of the East Storage Building northward along the entire extent of the East Storage Building, terminating at the access road crossing approximately 5 feet north of the northern boundary of the East Storage Building.

- Soil from existing grade to a depth of 2 feet was initially excavated from the entire portion of container storage Area C, including the area beneath the removed railroad track. An initial round of confirmation soil samples were collected at

this 2-foot depth. Based on the need to provide for an adequate geotechnical base to support reconstruction of the overlying railspur, soil in the entire area was then excavated to a depth of approximately 4 feet. An additional 2-foot depth of soil was removed from grid blocks SWMU-1-2 and SWMU-1-3 (total depth of 6 feet), based on interim sampling results that indicated that the lead cleanup standard may not be met in these two grid blocks at a depth of 4 feet. A geotextile membrane was installed, and clean dense-grade aggregate was applied in compacted lifts to stabilize the excavated area and provide adequate support for future railcar storage in the area.

- The area originally designated as SWMU-1-1 in the CMP consisted of a limited extension of the rail spur that was north of the actual rail car unloading area, and included the rail crossing being used by trucks and equipment. This limited extension of the spur was covered at the surface by either pavement, wood rail ties, or railroad ballast. Sampling results from a boring drilled in this general area as part of previous assessment work conducted prior to preparation of the Cleanup Action Plan showed no adverse affects from railcar unloading to the south. Following discussions with Ecology personnel in the field, it was agreed that sampling within this limited extension, as well as beneath an approximately 6-inch thick concrete paved segment of railspur northwest of the New Building, would not be necessary based on:

  - Results of previous sampling conducted as part of the remedial investigation
  - Small overall areal extent of the area
  - Proximity to nearby areas (AOC-3-1, AOC-5-21, AOC-5-22) that were already slated for cleanup action

- Confirmation sampling results for Container Storage Area C are provided in Table 1. Laboratory reports are in Appendix B.

Rail Spur Area

- Soil between the ties of the railroad track spur extending from the aforementioned triangular container storage area southward to the southern gate of the plant was excavated to a depth approximately 12 to 18 inches below the base of the railroad ties (total depth of 1.5 to 2 feet below surface grade). The excavation depth was approximately 6 inches to 12 inches deeper than the target depth included in the Agreed Order. Confirmation soil samples were collected in general accordance with procedures outlined in the CMP. Sampling results are included in Table 1. Laboratory reports are in Appendix B.

Agreed Order remediation compliance soil removal depths were reached in SWMU-1. The Agreed Order called for soil to be removed to depths of 2 feet in Container Storage Area C, and 1 foot along the exposed railspur line. These removal depths were achieved (and actually exceeded) in both areas of SWMU-1. From a soil chemistry standpoint:

- Soil remediation goals within the Container Storage Area have been met.

- Soil remediation goals along four of the seven 40-foot sections of the railspur line were achieved; however, despite removal of soil approximately 2 feet deep around the ties (much of it by hand), lead in subsurface soil from 3 sections of the railspur was still at a concentration in excess of the target cleanup standard. The area between the ties has been backfilled with clean gravel and does not represent a significant threat to human health and the environment.

3.2 AOC-1: Railroad Gate Area

Excavation work in AOC-1 was initially conducted in December of 2002. In accordance with the Agreed Order, surficial soil in AOC-1 (Figure 2) was initially excavated to a depth of approximately 0.5 feet. Confirmation sampling results from the 0.5 foot depth showed levels of zinc and lead in excess of cleanup standards. Consequently, excavation in the area was extended to a depth of 1.5 feet. Despite the removal of soil to a depth one foot greater than that required by the Agreed Order, cleanup standards for zinc in soil from the northwest portion of the Railroad Gate Area (AOC-1-1 sampling area) and lead in both sections of AOC-1 (NW and SE) were still detected in excess of cleanup standards.

On July 16, 2004, excavation of soil in the area was extended one-foot deeper (total excavation depth of 2-5 feet). Cleanup goals were achieved. Confirmation sample results for AOC-1 are provided in Table 2. Laboratory reports are in Appendix B.

3.3 AOC-2: East Fence Line

Excavation work in AOC-2 was conducted in November of 2002. The scope of required soil remediation work in AOC-2 was completed and cleanup standards in the area were met. Soil in the area was excavated to a depth of approximately 0.5 feet, in accordance with the Agreed Order. Confirmation sampling results for AOC-2 are provided in Table 3. Laboratory reports are in Appendix A.

3.4 AOC-3: Bone Yard

Initial excavation work in AOC-3 (the Bone Yard) was conducted in August of 2003, with follow-up excavation conducted in June and July of 2004. The Bone Yard contains 19 grid blocks (Figure 2). The Agreed Order called for the Bone Yard to be excavated to a depth of 1 foot. Depths of excavation in the Bone Yard required by the Agreed Order were met or exceeded in all 19 of the grid blocks. Excavation depths generally ranged from 1 foot to 2 foot; however, the area immediately surrounding the concrete pad for monitoring wells MW-1A and MW-1B was excavated on June 30, 2004 to a depth of approximately 8 feet, which was the top of the zone of saturation (i.e. water table) on that date. The purpose of the deep soil removal around the wells was to remove potentially elevated levels of zinc in soil around monitoring wells MW-1A/1B. Elevated levels of zinc in groundwater have consistently been detected at this location; consequently, an attempt was made to possibly improve long-term groundwater conditions in the area by removing a potential source of the detected zinc (i..e., soil around the wells). Zinc concentrations in soil samples collected from the 8-foot depth ranged from 12.9 mg/kg to 1,270 mg/kg.

Cleanup standards with respect to cadmium and lead were met in all 19 of the grid blocks; however, Ecology's default non-restricted use, ecological risk-based cleanup level for zinc was still exceeded in 9 of the blocks. LFI believes it is important to note that no levels of zinc were detected in post-excavation soil sampling at concentrations exceeding USEPA or Ecology risk-based screening levels for human receptors. Exceedences were only those for Ecology's conservative default levels for ecological receptors. This limited area of the site does not

represent a significant habitat for ecological receptors. There are no endangered plant or animal species on the property. A State Environmental Policy Act (SEPA) Checklist was completed for the site, and was included in LFI's *Remedial Investigation Report/Voluntary Cleanup* Plan, dated June 13, 2002. The SEPA documentation showed that the site does not present a risk to significant wildlife populations.

With respect to the 9 grid blocks in which zinc is present in deeper soil above the default ecological receptor based non-restricted use cleanup goal, Bay Zinc proposes to manage this limited area in place through implementation of a deed restriction. Further discussion of Bay Zinc's proposed approach for this area is provided in Section 6.0 of this report. A map showing the Bone Yard area and the proposed area to be managed in place is provided in Figure 2. Confirmation sampling results including the depth of excavation within each grid block are provided in Table 4. Laboratory reports are in Appendix B.

3.5 AOC-5: Back Lot Area

Excavation work in AOC-5 was conducted in April, May, and July of 2003, and August of 2004. In accordance with the Agreed Order, soil in quadrants not containing historic stockpiled backfill and shown by previous assessment work to contain a key constituent in excess of its respective cleanup standard was initially excavated to a depth of 6 inches. A portion of the backlot area contained historic backfill and construction debris, mounded approximately 2 feet (on average) above surface grade. Backfilled material mounded above grade as well as 2 feet below grade (total thickness of approximately 4 feet of material) was excavated and removed. Concrete chunks and non-soil construction debris were removed and segregated from the fill material area.

Non-restricted use cleanup standards were achieved in all 24 of the grid blocks constituting AOC-5. Confirmation sampling results for the Back Lot Area are provided in Table 5. Laboratory reports are in Appendix B.

3.6 SWMU-6: Mud Wash Area

Excavation work in the Mud Wash Area (SWMU-6) was initially conducted in July of 2004. A concrete saw was used to remove pavement over the area, and then the SMWU-6 area shown in Figure 2 was excavated to a depth of approximately two feet below the base of the pavement in accordance with the Agreed Order. Confirmation soil samples were collected. Based on the results of the initial confirmation soil sampling, in August of 2004, additional soil from the western portion of the excavation was removed to a total depth of approximately 3 feet below surface grade. Subsequent confirmatory soil sampling results showed that the cleanup standards in the area had been met as a result of the additional soil removal. Confirmation sampling results for SWMU-6 are provided in Table 6. Laboratory reports are in Appendix B. The excavation was filled with non-contaminated dense-grade aggregate, and compacted to surface grade.

3.7 AOC-7/AOC-8: Areas Along the West Fence Line and the West Side of the Warehouse

In November of 2002, areas AOC-7 and AOC-8 (Figure 2) were excavated to a depth of approximately 0.5 foot, in accordance with the Agreed Order. Soil cleanup standards were met in both areas. Confirmatory sampling results are provided in Table 7. Laboratory reports are in Appendix B.

In December of 2002, the relatively narrow strip of property abutting the west side of the Warehouse was initially excavated to a depth of 0.5 feet in accordance with the Agreed Order. Cleanup standards for lead were exceeded in each of the grid blocks at this depth. In July of 2003, excavation of this area was extended significantly below the 0.5 foot initial target depth listed in the Agreed Order, to a depth of approximately 3 feet. Excavation and confirmation sampling down to the 3-foot depth was conducted at intervals of approximately 0.5 feet. At the 3-foot depth, confirmatory sampling showed that soil cleanup standards had been met for cadmium and lead in all 9 of the grid blocks. However, with respect to zinc, at the 3-foot depth, cleanup standards had only been met in 6 of the 9 sampling grids (Figure 2). Even though zinc was detected at concentrations an order of magnitude below its respective human health risk level, it was still detected at a concentration in excess of its default ecologic cleanup standard

(see Table 7). Excavation was terminated at the 3-foot depth due to concerns that the stability of the foundation beneath the west wall of the warehouse could potentially be compromised by further digging. A geosnythetic liner was laid down, and the area was backfilled to surface grade.

Zinc concentrations in soil in this area are below risk-based standards for residential property, and the remaining default ecological exceedences are at a depth of 3 feet, below a geosynthetic liner. Bay Zinc does not believe that the remaining zinc levels in this limited area constitute a threat to human health and the environment. However, if deemed necessary by Ecology, Bay Zinc will manage the remaining zinc-in-soil levels in place through the implementation of a deed restriction.

Confirmatory sampling results for the narrow strip of property adjacent to the west side of the Warehouse are included in Table 7. Laboratory reports are in Appendix B.

3.8 AOC-10: Areas East and South of the "New Building"

Two areas of limited extent east and south of the "New Building" were excavated on July 16-17, 2004. The two areas, shown as "NB-1" and "AOC-10" in Figure 2, were both excavated to depths of approximately 4 feet below the base of the overlying asphalt pavement. A pavement saw was used to help cut and remove the pavement prior to excavation. Following excavation, confirmatory soil sampling results showed that the non-restricted property use cleanup standards had been met. Confirmation soil sampling results are provided in Table 8. Laboratory reports are in Appendix B.

3.9 South Property Line

In November of 2002, the South Property Line area was excavated to a depth of 0.5 feet, in accordance with the Agreed Order. Confirmation sampling results from the 0.5 foot depth showed lead in excess of its respective cleanup standard in two grid blocks, SP-1-3 and SP-1-5. Consequently, grid blocks SP-1-3 and SP-1-5 were excavated to a total depth of approximately 1

foot, and the two grid blocks were resampled. No cleanup standard exceedances were detected at the 1 foot excavation depth. Soil remediation standards along the South Property Line have been met. Confirmatory sampling results are provided in Table 9. Laboratory reports are in Appendix B.

3.10 Warehouse Entryway Area

The Warehouse Entryway Area, southeast of the Warehouse (Figure 2), was designated as a general Area of Concern in the *Cleanup Action Plan,* for the site. The basis for designating the Warehouse Entryway as an AOC was the former presence of a conveyor system in this immediate area, which was observable in historic photographs. Based on previous sampling results and LFI's understanding of historic operations, the likely area of affected soil in the Warehouse Entryway AOC was believed to be limited to the approximate area that was subsequently excavated (Figure 2), with a projected possible depth of impact to be approximately 6 inches. In accordance with the *Cleanup Action* Plan, soil from this area was removed in July of 2004. As a conservative measure, the depth of the actual area of soil removed in July of 2004 was increased from 6 inches to 2 feet.

Confirmation sampling of the excavated area conducted subsequent to the soil removal work showed that levels of lead, zinc, and cadmium were still present in soil at concentrations in excess of the walk-away (i.e. clean closure) cleanup standards established in the *Cleanup Action Plan.* Warehouse Entryway AOC excavation sampling results were as follows:

Constituent mg/kg	**West Half Composite 0 – 2 ft. deep**	**East Half Composite 0 – 2 ft. deep**	**Cleanup Goal**
Cadmium	140	110	36
Lead	7,490	4,170	220
Zinc	22,000	23,000	24,000*

Notes: mg/kg = milligrams per kilogram
* If the zinc standard of 24,000 mg/kg is exceeded, cleanup is to be conducted to meet an ecological risk-based standard of 570 mg/kg.

3.10.1 Additional Assessment Procedures

Based on the results of the Warehouse Entryway AOC excavation confirmation sampling, additional assessment work was conducted around the Warehouse Entryway AOC. The purpose of the work was to:

- Evaluate the overall extent of affected soil around the AOC.
- Provide Bay Zinc with information to evaluate the viability and cost/benefit effectiveness of implementing a site management approach for the AOC versus further excavation/off-site disposal.

Soil sampling to further assess the area of impact around the Warehouse Entryway AOC was conducted on August 12, 2004, January 18, 2005, and April 20, 2005. Several direct-push (Geoprobe) borings were advanced at "step-out" distances to the north, south, east, and west of the AOC (Figure 2). Soil samples were collected at discrete depth intervals and then sent to Columbia Inspection, Inc.'s laboratory in Portland, Oregon. Samples were analyzed for the three key parameters driving soil remediation at the site (cadmium, lead, and zinc).

Sample collection procedures were consistent with those established and approved by Ecology during previous phases of work at the site, and those referenced in the *Compliance Monitoring Plan.* Depths of sample collection ranged from 1 to 6 feet below grade and are provided in Table 10. Samples from discrete depth intervals were analyzed in an iterative fashion. Judgments regarding the selection of key parameters and certain subsequent depth intervals to be analyzed at each boring location were based on previous sampling results.

3.10.2 Results and Discussion

Assessment sampling results show cleanup goal exceedences still remaining to the north, south, east, and west of the Warehouse Entryway AOC excavated area. Sampling results for cadmium, lead and zinc are provided in Table 10. Laboratory reports are in Appendix B. The overall depth to which each of the three key metals is present in soil at a concentration in excess of its respective walk-away cleanup standard is as follows:

- Cadmium: Approximately 3 feet
- Lead: Approximately 3 feet
- Zinc: Approximately 5 feet

From a horizontal extent perspective, based on the sampling results to date (including data points from the initial site investigation work conducted in 2002), the interpreted area of soil containing concentrations of at least one of the key metals (lead, cadmium, or zinc) at a concentration in excess of Ecology's walk-away standards includes three contiguous areas:

- Most of the paved corridor between the Main Process Building and the Warehouse
- The narrow paved corridor between the West Storage Building and the Warehouse
- The paved area immediately north of the West Storage Building and the East Storage Building. A stormwater runoff collection system is in place beneath the asphalt pavement in a portion of this site.

These three contiguous areas are shown in Figure 2.

With the exception of the aforementioned area of the Warehouse Entryway AOC that was recently excavated, the entire contiguous area shown in the attached figure is covered by asphalt or concrete pavement; consequently, there is no current complete exposure pathway, and the area presents no significant threat to human health or the environment as long as the area remains paved.

A site management option that would include maintenance of the concrete/asphalt paved cover over the area in combination with an institutional control such as a deed restriction is a viable and cost-effective option for the Warehouse Entryway AOC based on:

- An area of impact around the Warehouse Entryway AOC that is substantially larger and deeper than that originally projected in the Cleanup Action Plan.
- The presence of buildings and structures in the area that will inhibit the ease of soil excavation.

- The total coverage of the area by pavement, which eliminates complete exposure pathways.

4.0 GROUNDWATER

In accordance with the Agreed Order, existing groundwater pumping well MW-8 has been used to control groundwater migration and remove affected water from the uppermost groundwater producing zone. Over the months of January and February of 2003, a groundwater pump-and-treat system including an ion-exchange groundwater treatment unit was installed at the site. A piping system was constructed to route groundwater recovered from well MW-8 through the ion-exchange treatment unit, and then on to the City of Moxee sewer system.

4.1 System Start-Up and Performance Evaluation

The system was initially started-up on February 13, 2003. A pumping rate of approximately 4 gallons per minute (gpm) was established. Adjustments to the ion-exchange unit were made by the vendor (Remco Engineering, Ventura, CA) between February 13th and March 15th, 2003, that resulted in temporary disruptions of pumping. Final adjustments were made and the system became essentially continuously operational at the end of the first quarter of 2003.

The 4 gpm pumping rate was maintained during a 90-day system performance evaluation period (April-June, 2003). During this time, depth-to-water measurements in monitoring wells within the uppermost groundwater producing zone on-site were measured on a monthly basis. Monitoring wells were sampled on January 31, 2003, prior to the start-up of the system, and have been sampled on a quarterly basis thereafter. Based on the depth-to-water level measurements and the groundwater chemistry data, the 4 gpm pumping rate appears to be effective at controlling off-site groundwater migration and reducing overall levels of key constituents in the groundwater. The 4 gpm rate was generally maintained throughout the majority of 2003.

The pump within the recovery well was replaced in 2003 due to age and ultimate failure. Based on past monitoring records and observation, the recovery well (MW-8) had been noted to shut-

down during periods of insufficient groundwater recharge. To attempt to prevent further well pump failure and/or malfunction, a system was installed within the pump house, in series with the well pump starters and controllers, to disable the recovery well pump when water is not present.

Through the first 6 months of 2004, the 4 gpm pumping rate became increasingly difficult to continuously maintain. Prior to the third quarter 2004 monitoring event, the recovery well (MW-8) was redeveloped by a certified Washington well driller (Picatti Drilling, Inc.) in an attempt to remove formation silt and sediment from around the well screen, and enhance the rate of groundwater recovery. While the redevelopment efforts were successful at temporarily enhancing the production rate of recovery well MW-8, subsequent production volumes exhibited a slowly declining trend. Recovery well MW-9, which like MW-8, had been installed as part of historic groundwater remediation activities at the site separate from the Agreed Order, was determined not to be salvageable by redevelopment.

In order to maintain, and even further enhance the rate of groundwater recovery at the site, Bay Zinc has scheduled the drilling of two new groundwater recovery wells during the third quarter of 2005. One of the wells will be drilled adjacent to existing recovery well MW-8, and will serve as a replacement for MW-8. A second well will be installed on the west side of the property, in the general vicinity of the cluster of monitoring wells west of the Warehouse.

Ion Exchange Unit

The ion exchange unit appears to be having little overall effect in initial pretreatment of recovered groundwater prior to final treatment by the City of Moxee's publicly owned treatment works (POTW). The ion exchange unit was emplaced essentially as a back-up system to pre-treat the pumping well influent in the case that constituents in the influent were at excessively high levels over an extended period of time (in excess of 6 months), potentially at concentrations that the City of Moxee POTW would not accept. City of Moxee personnel obtain meter readings on the system on a monthly basis, and sampling ports were installed into the system so that City of Moxee personnel can also obtain influent/effluent samples at any time, should levels at the

POTW plant be in excess of acceptable concentrations. According to Mr. Byron Adams, Moxee POTW Manager, recovered groundwater from the Bay Zinc site has not resulted in any treatment problems for the Moxee POTW, and the City has no ongoing significant concerns about receiving pumped water containing the levels of constituents in Bay Zinc's groundwater. The ion exchange unit continues to operate and is monitored on a daily basis by Bay Zinc personnel.

Treatment System Backwash

Due to the fact that levels of constituents in the influent have not turned out to be as elevated as those conservatively planned for, and the influent concentrations, prior to any pretreatment at all, are already below levels acceptable to the City of Moxee POTW, system operational parameters such as backwash frequency are not being actively tracked. Pumped groundwater continues to cycle through the treatment system prior to discharge, and influent/effluent parameters continue to be monitored. In the event of a sustained increase in levels of key discharge parameters, ion exchange media will be replaced and monitoring and recording of operational parameters such as system backwash will be re-instated.

4.2 Quarterly Monitoring

Quarterly groundwater monitoring has been conducted since January of 2003, and is ongoing. Two and one-half years of the projected 3 years of groundwater monitoring/remediation efforts outlined in the Voluntary Cleanup Plan, on which components of the Agreed Order were based, are now complete. A report of groundwater corrective action progress through December 31, 2004 was previously submitted to Ecology, and contains laboratory analytical reports and numerous time-trend plots of water levels and key constituents of concern. Another similar report incorporating results of quarterly sampling conducted in 2005, will be submitted to Ecology in the first quarter of 2006. Overall, groundwater remediation, monitoring and reporting at the site has been ongoing since the 1980s as part of Bay Zinc's compliance with a separate regulatory program being administered by Ecology (i.e. Bay Zinc's permit under the Resource Conservation and Recovery Act). Generally, the concentration of key constituents in most of the monitoring wells has decreased from the pre-remediation baseline sampling conducted on

January 31, 2003 (see Table 11). With respect to pumping and groundwater remediation activities conducted since 2003, results are summarized as follows:

- Approximately 2.5 million gallons of groundwater has been pumped
- Estimates of the amount of constituents removed since 2003, based on the following average influent concentrations are as follows:
  - Chloride: Average influent concentration: 150 mg/l
    Estimated pounds removed: 3,008
  - Sulfate: Average influent concentration: 614 mg/l
    Estimated pounds removed: 12,308
  - Manganese: Average influent concentration: 3.8 mg/l
    Estimated pounds removed: 76
  - Cadmium: Average influent concentration: 0.0098
    Estimated pounds removed: 0.2
  - Zinc: Average influent concentration: 6.75 mg/l
    Estimated pounds removed: 135

Groundwater levels in the area are known to historically fluctuate, with decreasing trends routinely noted during irrigation periods that extend from late spring through the summer. Time-trend plots of monthly static water level measurements recorded in Bay Zinc monitoring wells between January of 2002 and December of 2004 are provided in Appendix C. The time-trend plots show a more precipitous drop in water levels in 2003 following implementation of the 4 gpm pumping system. The plots also show a post-irrigation groundwater recovery level less than that of the previous (pre-pumping) year.

Monitoring results indicate that the groundwater recovery system is having a positive effect at controlling off-site groundwater migration and reducing overall levels of key constituents in groundwater. LFI notes that there seems to be a direct correlation between groundwater analytical data and water levels, in that concentrations of key constituents increase when water levels are shallower. Laboratory results of groundwater monitoring are summarized in Table 11. Groundwater chemistry time-trend plots encompassing data for the 2003 and 2004 years of

operation are in Appendix D. Copies of laboratory analytical reports were included in the *Summary of Groundwater Corrective Action Progress – 2004,* dated April 19, 2005, previously submitted to Ecology.

5.0 SUMMARY AND CONCLUSIONS

Bay Zinc has invested in excess of $1.2 million since 2002 to address soil and groundwater Agreed Order issues at the site. Remediation work has included:

- Removal of over 12,320 tons of soil
- Removal and replacement of an approximately 160-foot section of the rail-spur line
- Pumping of approximately 2.5 million gallons of groundwater from the uppermost groundwater producing zone
- Collection and analyses of over 250 soil samples

The status of the project with respect to work tasks included in the Agreed Order is as follows.

Agreed Order Task	Area of Concern	Status
Submit Ground Water Remediation System Work Plan, Compliance Monitoring Plan (CMP), and Health and Safety Plan ("HSP")	Recovery Well MW-8	*Completed.* Items were all included in Compliance Monitoring Plan dated October 18, 2002.
Complete Installation of Ground Water Remediation System and Commence Operation of System	--	*Completed.* System installed and started-up in February-March, 2003.
Report of Performance Evaluation	--	*Completed.* Time-trend plots and graphs were provided to Ecology in 2003 and were included with a discussion of performance evaluation results in Section 3.2 of the Summary of Remediation Progress, dated May 24, 2004.
Initiate Soil Removal Activities-1st Phase	SWMU-1 South Property Line	*Completed.* Target depths of excavation provided in the Agreed Order have been reached. Non-restricted property use. Target cleanup levels for lead were not attained in 3 sampling grids along the railspur line. Bay Zinc intends to implement a site management/deed restriction approach for these 3 grids.

Confirmation Sampling and Task Completion Report-1st Phase		*Completed.* Summary tables provided to Ecology in 2003. Confirmation sampling and initial task completion report were included in Summary of Remediation Progress.
Initiate Soil Removal Activities-2nd Phase	AOC-2, AOC-3, AOC-7, AOC-8	*Completed.* Target depths of excavation reached in all four AOCs. Non-restricted property use target cleanup levels were achieved in AOC-2, AOC-7 and AOC-8. Non-restricted property use standards for zinc were not attained in 9 of the 19 grid blocks excavated in AOC-3.
Confirmation Sampling and Task Completion Report-2nd Phase	--	*Completed.* Summary tables provided to Ecology in 2003. Confirmation sampling and task completion report were incorporated in Section 3.0 of the Summary of Remediation Progress dated May 24, 2004.
Initiate Soil Removal Activities-3rd Phase	Back Lot	*Completed.* Target cleanup levels were attained in all sampling grids/.
Submit Final Cleanup Action Report, including results of conformational sampling for soils and ground water remediation	--	*Completed.* Results incorporated herein in Sections 3.0 through 4.0. A Site Management Plan with attached Deed Restriction will be needed to address remaining limited areas of affected soil. Removal of affected groundwater and long-term monitoring will continue to be implemented.

Soil

Targeted projected depths of excavation in each of the SWMUs and AOCs were achieved, with excavation efforts actually exceeding the targeted depths in several of the areas. With respect to soil, Ecology's walk-away (non-restricted use) cleanup levels were achieved in all but the following areas:

- Select Grid Blocks in the Bone Yard Area (AOC-3). Exceedences were for zinc only, based solely on Ecology's conservative default risk-based levels for ecological receptors (i.e. no human receptor risk).
- Grid Blocks along the Rail Spur Line. Exceedences were for lead only, and are now buried beneath clean gravel backfill and the steel rails for the rail spur.
- Beneath paved areas south and north of the Warehouse and Storage Buildings, and select small grid blocks west of the Warehouse.

The areas are shown in Figure 2.

Groundwater

Groundwater remediation efforts at the site have been taking place since the late 1980s. More aggressive remediation efforts expended since 2003 have had a positive effect in lowering overall levels of monitored constituents; however, certain of the walk-way (non-restricted) use cleanup standards listed in the Agreed Order have not been reached. Based on review of the data, LFI has developed the following summary and conclusions regarding groundwater at the site:

- Monitoring data continues to confirm that affects to groundwater at the site are limited to the shallow, uppermost groundwater producing zone. No monitored constituents were detected in deep wells at concentrations in excess of primary or secondary drinking water standards.

- Manganese is essentially the only universal constituent now being detected sitewide at a concentration exceeding its respective conservative cleanup goal. Individual constituents at concentrations exceeding cleanup goals are predominantly limited to certain wells in limited areas of the site.

- The highest overall levels of constituents in groundwater at the site are in:

  - Well MW-1B (southeast corner of the Boneyard).

  - Wells MW-2, MW-3, and MW-9 (around the Warehouse)

- Exceedences of groundwater cleanup goals appear to be largely confined within the facility boundaries. The only exceedences detected in downgradient off-site well MW-10 in 2004 were for manganese (3rd and 4th quarters only) and sulfate. Manganese and sulfate are secondary drinking water constituents (listed for predominantly aesthetic purposes) that are known to naturally occur in excess of secondary drinking water standards in some areas of the shallow groundwater system around Moxee and Yakima. Manganese has occasionally been detected even at the upgradient well (MW-5) at a concentration exceeding its respective Secondary Drinking Water Standard.

6.0 PLANNED FUTURE ACTIONS

Bay Zinc has completed the significant work activities established in the Agreed Order, and would like to receive a Notice-of-Completion letter from Ecology with respect to that Agreed

Order. Despite Bay Zinc's substantial efforts, including a financial investment of over $1.2 million since 2002 in an attempt to reach conservative residential use (clean closure) standards as described in this report, clean closure standards for soil in certain remaining areas of the site, and for groundwater in certain wells could not be attained. Bay Zinc believes that further intensive efforts to achieve the residential clean-closure standards at this point would provide diminishing returns, and would significantly jeopardize the financial standing of the company. Bay Zinc understands that the clean closure residential-use cleanup standards would have to be achieved to receive No-Further-Action status from Ecology, but believes the following actions will be sufficient to receive a Notice-of-Completion status with respect to the Agreed Order:

Soil – Areas of remaining affected soil beneath paved areas of the site will remain in place, with the pavement serving as a cover that effectively prohibits the occurrence of a complete exposure pathway. Bay Zinc will prepare and implement a Site Management Plan requiring that the pavement routinely be inspected and repaired whenever the paved cover has been compromised, significantly deteriorated, or removed. A Health and Safety Plan for excavation workers potentially cutting through the pavement in the future will also be included. A final component will be a deed restriction, limiting property use in the affected area to commercial/industrial purposes.

Zinc is the only constituent remaining at concentrations in excess of clean closure (No-Further-Action) standards in the Bone Yard (AOC-3). The remaining zinc levels are actually an order of magnitude less than risk-based screening levels USEPA and Ecology have established as acceptable for residential property, but are higher than the default ecological-based cleanup standard Ecology is imposing. This limited area is not a suitable habitat for ecological receptors. Nonetheless, a deed restriction will be emplaced to cover the affected grid blocks.

The lead in soil in the limited areas of the railspur line is at a depth greater than 1 foot, and is covered by railroad ballast, ties, and steel track. There is no complete exposure pathway, and the affected areas will be included in a deed restriction.

The above-mentioned Site Management Plan will be submitted to Ecology for review and approval, and will include the results of a land survey for those areas to be included within the aforementioned planned deed restricted areas. Boundaries of the attached grid blocks and property areas to be covered by the deed restriction will be established by a Washington registered/certified land surveyor.

Groundwater – The predominant parameters that Ecology has determined to be "constituents of concern" with respect to groundwater at the site are those that are classified as secondary drinking water constituents, which have been listed by USEPA predominantly for aesthetic purposes (staining of plumbing fixtures, noticeable taste or smell). The key constituents have been detected in groundwater at the site at concentrations in excess of these secondary standards since the mid-1980's when groundwater monitoring was initiated as part of Bay Zinc's RCRA permit compliance requirements. Existing groundwater recovery wells MW-8 and most of the on-site groundwater monitoring wells were installed as part of Bay Zinc's historic compliance with Ecology's RCRA program, which is still applicable to Bay Zinc. Consequently, there is redundancy with respect to regulatory programs that are driving the ongoing groundwater remediation efforts (i.e. the MTCA Agreed Order *and* Ecology's RCRA Program). Bay Zinc established the Agreed Order in 2002 with a 3-year time-frame in mind to try to reach cleanup goals and satisfy requirements of a transaction between Bay Zinc and another party involving certain assets of the facility (those transactional requirements have been met).

Bay Zinc plans to install two new recovery wells in the third quarter of 2005 in an attempt to further enhance the rate of groundwater cleanup and further reduce the potential for impacted groundwater to migrate beyond the property boundaries. However, based on review of data accumulated over the past 2 years, the conservative residential No-Further-Action cleanup goals will not likely be achieved within the next 6 to 12 months.

As stated on page 10 of Ecology August 2002 *Cleanup Action Plan* for the Bay Zinc site, which was incorporated by reference as the driver of the Agreed Order, the overall remedial action objectives for the site were:

- Prevent exposure to contaminated soils and groundwater
- Minimize leaching of contaminants from soils into groundwater
- Prevent impacted groundwater from migrating beyond the property boundaries

Bay Zinc believes these three Agreed Order objectives have been met as a result of the extensive soil removal work and upgrades to the groundwater recovery system at the site since 2002.

Bay Zinc would like to receive a Notice of Completion with respect to the 2002 Agreed Order, with the understanding that a Site Management Plan will be necessary for soil, and groundwater remediation/monitoring efforts will be required to continue, as they have since 1985, under the auspices of Ecology's hazardous waste program (RCRA). Annual reporting of groundwater monitoring/remediation activities will continue. The next groundwater report to be issued will be the *Summary of Groundwater Corrective Action Progress-2005*, to be submitted in the first quarter of 2006.

Tables

Table 1
Confirmation Soil Sampling Results
Bay Zinc Facility – Moxee, WA
SWMU-1: Container Storage Area C and Railspur Line

Container Storage Area C

Sampling Location	Grid Block Excavation Depth (ft)	Cadmium Sample Depth (ft)		Lead Sample Depth (ft)		Zinc Sample Depth (ft)		Dioxin Sample Depth (ft)	
		2	6	2	6	2	6	2	6
SWMU-1-2	6	0.64	ND	~~389~~	11.5	5,039	293	--	1.65
SWMU-1-3	6	ND	ND	~~370~~	17.8	3,991	1,824	--	0.03
SWMU-1-4	4	1.61	-- (a)	81	-- (a)	2,184	-- (a)	--	4.82 (a)
SWMU-1-5	4	ND	-- (a)	14.5	-- (a)	149	-- (a)	--	0.05 (a)
Cleanup Standard		36		220		24,000		5	

– OK –

Railspur Line

Sampling Location	Grid Block Excavation Depth (ft)	Cadmium	Lead	Zinc
SWMU-1-6	1.5	3.85	ND	8,857
SWMU-1-7	1.5	9.81	145	15,031
SWMU-1-8	1.5	11.6	~~228~~	8,135
SWMU-1-9	1.5	16.4	~~448~~	7,513
SWMU-1-10	1.5	22.8	59.6	6,288
SWMU-1-11*	1.5	12.8	184	10,352
SWMU-1-12	1.5	ND	118	1,555
SWMU-1-14	1.5	13.3	~~3,270~~	14,262
Cleanup Standard		36	220	24,000

Deed restr.? = Yes OK –

Note:
Samples collected on November 5-7, 2002.
All concentrations in milligrams per kilogram, except dioxin. Dioxin levels for SMWU-1-2 through SWMU-1-5 are parts per trillion total dioxin Toxic Equivalency Factor concentrations.
* SWMU-1-11 was blind duplicate sample of SWMU-1-10.
There was no sample labeled SWMU-1-13.
Samples along the Railspur Line were collected at depths approximately 1 to 1.5 feet below the base of the railroad ties.
-- Not sampled.
Depths listed are in feet below surface grade.
ND: Not detected at laboratory method detection limit.
(a) Sampling depth was 4 feet below surface grade.

Table 2
Confirmation Sampling Results
Bay Zinc Facility – Moxee, WA
AOC-1: Railroad Gate Area

Sampling Location	Grid Block Excavation Depth (ft)	Cadmium Sample Depth (ft)			Lead Sample Depth (ft)			Zinc Sample Depth (ft)		
		1	1.5	2.5	1	1.5	2.5	1	1.5	2.5
AOC-1-1	2.5 ✓	26.8	27.9	0.433	~~2,034~~	~~1,408~~	15	~~33,106~~	~~29,292~~	71.1
AOC-1-2	2.5 ✓	ND	ND	8.4	52.9	~~229~~	11.4	4,846	6,976	9,300
Cleanup Standard		36			220			24,000/570*		

OK

Note:
Samples collected on December 12, 2002, July 16, 2004, and August 25, 2004. OK
All concentrations in milligrams per kilogram (mg/kg).
* If the zinc standard of 24,000 mg/kg is exceeded, Ecology has stipulated that a cleanup standard of 570 mg/kg zinc be met for no-further-action status.
Sampling depths shown are feet below original surface grade.
ND: Not detected at laboratory method detection limit.

Table 3
Confirmation Soil Sampling Results
Bay Zinc Facility – Moxee, WA
AOC-2: East Fence Line

Sampling Location	Grid Block Excavation Depth (ft)	Cadmium	Lead	Zinc
AOC-2-1	0.5	ND	115	3,789
AOC-2-2	0.5	ND	14.0	6,572
AOC-2-3	0.5	ND	31.3	5,083
AOC-2-4	0.5	ND	14.2	4,440
AOC-2-5	0.5	6.47	33.5	4,430
AOC-2-6	0.5	ND	31.8	1,177
AOC-2-7	0.5	ND	24.4	181
AOC-2-8	0.5	ND	ND	210
AOC-2-9	0.5	ND	ND	132
Cleanup Standard		36	220	24,000

Note:
Samples collected on November 14, 2002.
Samples collected at excavation depth of 0.5 feet below surface grade.
All concentrations in milligrams per kilogram.
ND: Not detected at laboratory method detection limit.

OK

- not always getting EW - Deed Restrictions? = ✓✓ yes

Table 4
Confirmation Soil Sampling Results
Bay Zinc Facility – Moxee, WA
AOC-3: Bone Yard

Sampling Location	Grid Block Excavation Depth (ft)	Cadmium	Lead				Zinc								
		Sample Depth (ft)	Sample Depth (ft)				Sample Depth (ft)								
		1	1	1.5	2	2.5	1	1.5	2	2.5	3	3.5	4	4.5	
AOC-3-1	1	8.53	31.1	--	--	--	2320	--	--	--	--	--	--	--	
AOC-3-2	1	17.7	~~354~~	1.81	--	--	15400	--	--	--	--	--	--	--	
AOC-3-3	1	1.08	16.9	--	--	--	607	--	--	--	--	--	--	--	
AOC-3-4	1	1.59	37.7	--	--	--	909	--	--	--	--	--	--	--	
AOC-3-5	1	0.963	14.7	--	--	--	334	--	--	--	--	--	--	--	
AOC-3-6	1.5	22.4	~~2740~~	59.5	--	--	~~84600~~	21800	123	--	--	--	--	--	✓
AOC-3-7	1.5	13.3	~~915~~	81.5	--	--	14000	--	--	--	--	--	--	--	
AOC-3-8	1	1.41	34.0	--	--	--	740	--	--	--	--	--	--	--	
AOC-3-9	1	2.45	125	--	--	--	1050	--	--	--	--	--	--	--	
AOC-3-10	2.5	18.6	~~6030~~	~~6520~~	~~1050~~	20.6	~~160000~~	~~114000~~	22100	7670	1500	--	--	--	no
AOC-3-11	2.5	12.8	~~2070~~	~~722~~	~~1800~~	12.5	~~44400~~	~~30000~~	20900	1240	--	884	830	--	no
AOC-3-12	1.5	12.5	~~1700~~	169	--	--	~~24600~~	7650	--	--	--	188	--	--	✓
AOC-3-13	1	6.41	197	--	--	--	5440	--	--	--	--	--	--	--	
AOC-3-14	2	30.2	~~5620~~	~~1460~~	79.8 ✓	--	~~167000~~	~~64200~~	7350	3270	--	108	--	--	✓
AOC-3-15	1.5	13.2	~~4070~~	185	--	--	~~172000~~	17900	--	--	--	88.5	--	--	✓
AOC-3-16	1.5	4.87	~~282~~	170	--	--	7450	--	--	--	--	--	--	--	
AOC-3-17	2	27.3	~~9170~~	~~448~~	203 ✓	--	~~164000~~	~~24600~~	6760	2400	--	119	--	--	
AOC-3-18	1.5	15.4	~~2010~~	32.4	--	--	~~85400~~	6710	--	--	--	1580	773	8000	no
AOC-3-19	1.5	12.6	~~1960~~	9.17	--	--	~~39000~~	4080	--	--	--	1140	243	--	✓
Cleanup Standard		36	220				24,000/570*								

Note:
Samples collected August 11-20, 2003, except for samples 3-1, 3-5, 3-9, and 3-13, which were collected on June 29, 2004.
All concentrations are in milligrams per kilogram (mg/kg).
* If the zinc standard of 24,000 mg/kg is exceeded, Ecology has stipulated that a cleanup standard of 570 mg/kg zinc be met for no-further-action status.
Sampling depths shown are feet below original surface grade.
-- Not sampled.

Table 5
Confirmation Soil Sampling Results
Bay Zinc Facility – Moxee, WA
AOC-5: Back Lot Area

Sampling Location	Grid Block Excavation Depth (ft)	Cadmium Sample Depth (ft)			Lead Sample Depth (ft)			Zinc Sample Depth (ft)		
		0.5	1-3	4	0.5	1-3	4	0.5	1-3	4
AOC-5-1	0.5	0.59	--	--	87.7	--	--	8697	--	--
AOC-5-2	0.5	ND	--	--	69.1	--	--	5624	--	--
AOC-5-3	0.5	ND	--	--	21.5	--	--	265	--	--
AOC-5-4	1	12.5	--	--	253	16.8(a)	--	5139	--	--
AOC-5-5**	4	32.0	--	0.56	836	--	0.53	17107	--	29.4
AOC-5-6**	4	--	--	0.64	--	--	ND	--	--	32.4
AOC-5-7**	4	16.2	10.3(b)	0.52	258	812(b)	ND	25450	6,640(b)	30.1
AOC-5-8**	4	ND	32(b)	0.81	15.0	5,340(b)	0.55	6461	14900(b)	174
AOC-5-9	0.5	ND	--	--	29.1	--	--	219	--	--
AOC-5-10	1	81.8	ND(a)	--	1855	ND(a)	--	16629	573(a)	--
AOC-5-11**	4	21.1	40.7(b)	1.99	1759	2080(b)	47.5	12027	10000(b)	936
AOC-5-12**	4	--	39.3(b)	0.73	--	1880(b)	0.86	--	17900(b)	36.9
AOC-5-13**	4	--	8.49(b)	2.19	--	949(b)	2.69	--	6500(b)	56.8
AOC-5-14**	4	--	17.9(b)	2.07	--	--	5.43	--	--	63.6
AOC-5-15***	0.5	ND	--	--	ND	--	--	94.3	--	--
AOC-5-16	0.5	ND	--	--	132	--	--	1990	--	--
AOC-5-17	0.5	ND	--	--	30.3	--	--	303	--	--
AOC-5-18	3	--	232(b)	1.62(c)	--	7190	3.32(c)	--	246000(b)	142(c)
AOC-5-19	3	--	52.6(b)	0.99(c)	--	3970(b)	3.85(c)	--	29300(b)	30.4(c)
AOC-5-20	3	--	57.1(b)	4.49(c)	--	4990(b)	15.0(c)	--	3000(b)	563(c)

OK OK

Table 5 -- Continued
Confirmation Soil Sampling Results
Bay Zinc Facility – Moxee, WA
AOC-5: Back Lot Area

Sampling Location	Grid Block Excavation Depth (ft)	Cadmium Sample Depth (ft)			Lead Sample Depth (ft)			Zinc Sample Depth (ft)		
		0.5	1-3	4	0.5	1-3	4	0.5	1-3	4
AOC-5-21	3	--	4.91(b)	1.94(c)	--	224(b)	4.16(c)	--	1520(b)	84.1(c)
AOC-5-22	1	10.7	--	--	1261	86.7	--	19200	9286	--
AOC-5-23	1	ND	--	--	386	44.6	--	7400	479	--
AOC-5-24	1	ND	--	--	341	65.2	--	4990	1240	--
Cleanup Standard		36			220			24,000/570*		

Note:
Samples collected April 29 – May 28, 2003, November 4, 2003, and August 25, 2004.
All concentrations are in milligrams per kilogram (mg/kg).
ND: Not detected at laboratory method detection limit.
* If the zinc standard of 24,000 mg/kg is exceeded, Ecology has stipulated that a cleanup level of 570 mg/kg be met for no-further-action status.
** Total excavation depth from top surface of grid block area covered by historic backfill was approximately 4 feet.
*** Represents portion of the grid block not covered by historic backfill. AOC-5-14 results are also considered to be representative of limited area of backfill stockpile on grid block AOC-5-15.
Depths listed are in feet below original surface grade.
-- Not Applicable/Not Sampled
(a) 1 foot sampling depth
(b) 2 foot sampling depth
(c) 3 foot sampling depth

Table 6
Confirmation Soil Sampling Results
Bay Zinc Facility – Moxee, WA
SWMU-6: Mud Wash Area

Sampling Location	Excavation Depth (ft)	Cadmium Sample Depth (ft)		Lead Sample Depth (ft)		Zinc Sample Depth (ft)	
		1	2	1	2	1	2
SWMU 6-2 (E)	2	4.1	1.1	261	2.54	1900	36.2
SWMU 6-1 (W)	1	1.3	--	25	--	450	--
Cleanup Standard		36		220		24,000	

Notes:
Samples collected on July 15, 2004 and August 12, 2004
All concentrations in milligrams per kilogram (mg/kg)
Sampling depths shown are feet below original surface grade
-- Not applicable/not sampled

Table 7 (page 1 of 3)
Confirmation Soil Sampling Results
Bay Zinc Facility – Moxee, WA
AOC-7/AOC-8 and West Side of Warehouse

AOC-7: West-Central Fence Line

Sampling Location	Grid Block Excavation Depth (ft)	Cadmium	Lead	Zinc
AOC-7-1	0.5	ND	12.3	97.8
AOC-7-2	0.5	ND	12.9	149
AOC-7-3	0.5	ND	65.9	95.4
AOC-7-4	0.5	ND	124	1607
AOC-7-5	0.5	ND	12.5	236
AOC-7-6	0.5	ND	10.8	124
7-6 Duplicate	0.5	ND	11.1	75.9
AOC-7-7	0.5	ND	11.6	134
Cleanup Standard		36	220	24,000

Note:
Samples collected on November 19, 2002.
Samples collected at excavation depth of 0.5 feet below surface grade.
All concentrations in milligrams per kilogram.
ND – Not detected at laboratory method detection limit.
Duplicate – Blind duplicate sample.

OK

Table 7 (page 2 of 3)
Confirmation Soil Sampling Results
Bay Zinc Facility – Moxee, WA
AOC-7/AOC-8 and West Side of Warehouse

AOC-8: Southwest Fence Line

Sampling Location	Grid Block Excavation Depth (ft)	Cadmium	Lead	Zinc
AOC-8-1	0.5	ND	11.4	656
AOC-8-2	0.5	8.89	22.8	1379
AOC-8-3	0.5	5.39	13.2	2038
AOC-8-4	0.5	ND	120	988
AOC-8-5	0.5	6.22	38.4	1099
AOC-8-6	0.5	0.34	20.6	758
AOC-8-7	0.5	ND	56.9	819
8-7 Duplicate	0.5	ND	57.6	838
AOC-8-8	0.5	2.44	216	2405
AOC-8-9	0.5	20.6	190	5882
AOC-8-10	0.5	6.41	150	4033
Cleanup Standard		36	220	24,000

Note:
Samples collected on November 19, 2002.
Samples collected at excavation depth of 0.5 feet below surface grade.
All concentrations in milligrams per kilogram.
ND – Not detected at laboratory method detection limit.
Duplicate – Blind duplicate sample.

OK

Table 7 (page 3 of 3)
Confirmation Soil Sampling Results
Bay Zinc Facility – Moxee, WA
AOC-7/AOC-8 and West Side of Warehouse

West Side of Warehouse

Sampling Location	Grid Block Excavation Depth (ft)	Cadmium Sample Depth (ft)						Lead Sample Depth (ft)						Zinc Sample Depth (ft)					
		0.5	1	1.5	2	2.5	3	0.5	1	1.5	2	2.5	3	0.5	1	1.5	2	2.5	3
WH-1	3	3.14	0.81	ND	827	117	1.57	845	520	57.5	9885	12900	35.5	4854	2913	408	50843	42200	263
WH-2	3	17.7	5.07	6.10	528	41.2	4.94	1590	783	1184	5065	51.0	38.7	8640	5548	6044	27440	3660	487
WH-3	3	3.87	14.1	ND	48.7	73.7	1.23	557	1414	348	4303	1070	13.0	3578	6639	1003	24180	10600	94.0
WH-4	3	ND	1.52	ND	28.2	85.3	4.67	289	534	39.1	5575	1990	26.1	2340	3230	1034	22059	11600	453
WH-5	3	1.23	0.26	25.1	118	73.9	5.45	545	479	2368	5816	301	175	3804	2893	12970	32575	6270	1080
WH-6	3	ND	7.96	34.2	88	37.2	13.1	399	3082	5082	834	109	107	2480	12366	22718	16734	3880	2010
WH-6 Dupe	3	ND	--	--	--	--	--	336	--	--	--	--	--	2245	--	--	--	--	--
WH-7	3	1.15	23.5	30.7	178	34.5	22.0	634	6138	8603	39.7	659	18.6	3290	27072	34203	17136	4760	2140
WH-7 Dupe	3	--	--	--	--	--	17.2	--	--	--	--	--	15.7	--	--	--	--	--	1800
WH-8	3	3.30	26.8	12.2	27.8	19.2	--	789	4215	755	30.3	19.2	--	5223	28056	4968	3766	2090	--
WH-8 Dupe	3	--	29.8	--	--	--	--	--	5550	--	--	--	--	--	31646	--	--	--	--
WH-9	3	53.2	26.9	26.5	64.1	9.55	--	589	3026	430	78.4	43.7	--	6800	15456	5182	9067	1170	--
Cleanup Standard		36						220						24,000/570*					

Note:

Samples collected December 5-12, 2002; July 22-24, 2003.
All concentrations in milligrams per kilogram (mg/kg).
Sampling depths shown are feet below surface grade.
ND – not detected at laboratory method detection limit.
Dupe – Blind duplicate sample.
-- - not analyzed.
* If the zinc standard of 24,000 mg/kg is exceeded, Ecology has stipulated that a cleanup standard of 570 mg/kg zinc be met for no-further-action status.

Table 8
Confirmation Soil Sampling Results
Bay Zinc Facility – Moxee, WA
AOC-10/NB-1: Areas East and South of the "New Building"

Sampling Location	Excavation Depth (ft)	Cadmium	Lead	Zinc
		Sample Depth (ft) 4	Sample Depth (ft) 4	Sample Depth (ft) 4
NB-1-1 (West) Wall	4	4.4	5.04	2,700
NB-1-1 (West) Floor	4	7.4	3.42	4,400
NB-1-2 (East) Wall	4	9.5	4.85	5,000
NE-1-2 (East) Floor	4	17	4.90	5,600
AOC-10-1 (West) Wall	4	0.57	3.74	29
AOC-10-1 (West) Floor	4	1.1	5.42	32
AOC-10-2 (East) Wall	4	0.87	4.45	27
AOC-10-2 (East) Floor	4	0.96	5.23	31
Cleanup Standard		36	220	24,000

Notes:
Samples collected July 17, 2004
All concentrations in milligrams per kilogram
Depths listed are feet below base of asphalt surface pavement

OK

Table 9
Confirmation Soil Sampling Results
Bay Zinc Facility – Moxee, WA
Southern Property Line

Sampling Location	Grid Block Excavation Depth (ft)	Cadmium		Lead		Zinc	
		Sample Depth (ft)		Sample Depth (ft)		Sample Depth (ft)	
		0.5	1	0.5	1	0.5	1
SP-1-1	0.5	ND	--	154	--	1780	--
SP-1-2	0.5	ND	--	62.4	--	653	--
SP-1-3	1.0	13.8	ND	1236	82.6	8422	1294
1-3 Dupe	0.5	5.45	--	856	--	5804	--
SP-1-4	0.5	ND	--	208	--	1537	--
SP-1-5	1.0	0.67	ND	287	26.4	2307	287
SP-1-6	0.5	ND	--	39.7	--	255	--
SP-1-7	0.5	ND	--	39.5	--	243	--
SP-1-8	0.5	ND	--	14.8	--	633	--
SP-1-9	0.5	ND	--	95.9	--	1079	--
SP-1-10	0.5	ND	--	126	--	1319	--
SP-1-11	0.5	ND	--	53.0	--	345	--
SP-1-12	0.5	ND	--	32.9	--	186	--
SP-1-13	0.5	ND	--	50.5	--	274	--
SP-1-14	0.5	ND	--	155	--	859	---
Cleanup Standard		36		220		24,000	

Note:
Samples collected November 12-19, 2002.
All concentrations in milligrams per kilogram.
Depths listed are in feet below surface grade.
ND – Not detected at laboratory method detection limit.
-- - Not sampled.

Table 10 (Page 1 of 6)
Soil Sampling Results - Cadmium
Bay Zinc Facility - Moxee, WA
Warehouse Entryway AOC

CADMIUM

Sample Location	Soil Sample Interval Depth - Feet Below Grade					
	0' - 1'	1' - 2'	2' - 3'	3' - 4'	4' - 5'	5' - 6'
N-1 (a)	**460**	--	--	--	--	--
N-2 (a)	**53.1**	--	8.08	--	--	--
N-3	--	**828**	20	0.59	--	--
N-4	--	--	**229**	0.77	--	--
N-17 (b)	11.3	--	**231**	0.42	--	--
N-18 (b)	--	--	20.7	3.56	--	--
S-1 (a)	**40.4**	--	--	--	--	--
S-2 (a)	**53.4**	--	0.73	--	--	--
S-3	--	**150**	0.93	--	--	1.03
S-4	--	**53.8**	0.92	--	--	--
S-5	--	26.0	--	--	--	--
S-6	--	--	--	--	--	--
W-1 (a)	**126**	--	13.8	--	--	--
W-3	--	**47.5**	**153**	3.04	--	0.54
W-4	--	15.2	**112**	0.63	--	--
W-5	--	**57.2**	**37.9**	1.93	--	--
W-10 (b)	12.2	--	0.47	--	--	--
W-11 (b)	7.60	--	**41.6**	1.48	--	--
W-12 (b)	0.77	--	4.31	--	--	--
W-13 (b)	2.23	--	0.67	--	--	--
W-14 (b)	23.4	--	0.57	--	--	--
W-15 (b)	18.9	--	0.75	--	--	--
W-16 (b)	5.34	--	4.72	--	--	--
E-1 (a)	**123**	--	--	--	--	--
E-2 (a)	**95.3**	--	30.8	--	--	--
E-3	--	**186**	1.82	--	--	0.90
E-4	--	**212**	**51.0**	9.41	--	--
E-5 (b)	**42.9**	--	**45.0**	0.46	--	--
E-6 (b)	4.54	--	4.86	--	--	--
E-7 (b)	24.9	--	0.52	--	--	--
E-8 (b)	7.15	--	1.17	--	--	--
E-9 (b)	4.02	--	35.3	--	--	--

Note:
Samples collected on January 18, 2005. Samples denoted with (a) were collected on August 12, 2004.
Samples denoted with (b) were collected on April 20, 2005.
All analytical data shown in milligrams/kilogram (mg/kg)
Concentrations listed in bold type exceed the 36 mg/kg cleanup goal for Cadmium
-- - Not Analyzed / No sample collected from this interval
Depth of excavated area = 2 feet below base of asphalt

Table 10 (Page 2 of 6)
Soil Sampling Results - Cadmium
Bay Zinc Facility - Moxee, WA
Warehouse Entryway AOC

CADMIUM

Sample Location	Soil Sample Interval		
	0 - 1'	1 - 2'	2 - 4'
U8-A	2.02**	--	--
U5-B	--	--	15.9
U5-C	**164****	--	--
U2-A	24**	--	--
U2-B	0.8**	--	0.8
GP-451	0.45	0.76	0.46
GP-453	**42**	0.59	0.32
SS-7	3.7	--	--
U1-F	4.8**	--	0.8
U1-G	19**	--	--

Samples collected as part of Site Investigation work conducted in February - March, 2002
** Results are for sampled interval of 0-2'
Soil sample intervals are feet below grade

Table 10 (Page 3 of 6)
Soil Sampling Results - Lead
Bay Zinc Facility - Moxee, WA
Warehouse Entryway AOC

LEAD

Sample Location	Soil Sample Interval Depth - Feet Below Grade					
	0' - 1'	1' - 2'	2' - 3'	3' - 4'	4' - 5'	5' - 6'
N-1 (a)	**34,000**	--	--	--	--	--
N-2 (a)	**6,970**	--	**325**	--	--	--
N-3	--	**35,500**	37.1	2.40	--	--
N-4	--	--	**25,400**	10	--	--
N-17 (b)	**1040**	--	**29,500**	8.50	--	--
N-18 (b)	--	--	**3,600**	3.96	--	--
S-1 (a)	**11,000**	--	--	--	--	--
S-2 (a)	**8,020**	--	5.65	--	--	--
S-3	--	**1,570**	5.88	--	--	5.05
S-4	--	**458**	7.36	--	--	--
S-5	--	**1730**	--	--	--	--
S-6	--	9.67	3.45	--	--	--
W-1 (a)	**11,800**	--	**510**	--	--	--
W-3	--	**6,430**	**17,000**	8.63	--	3.51
W-4	--	**671**	**8,160**	7.30	--	--
W-5	--	**6,510**	54	1.93	--	--
W-10 (b)	**1450**	--	7.19	--	--	--
W-11 (b)	7.19	--	6.16	--	--	--
W-12 (b)	15.7	--	106	--	--	--
W-13 (b)	8.89	--	14.1	--	--	--
W-14 (b)	**2,780**	--	6.62	--	--	--
W-15 (b)	**2,560**	--	6.76	--	--	--
W-16 (b)	**310**	--	[illegible]	--	--	--
E-1 (a)	**13,400**	--	--	--	--	--
E-2 (a)	**16,000**	--	**1,870**	--	--	--
E-3	--	**22,600**	37.5	--	--	6.23
E-4	--	**13,800**	23.7	--	--	--
E-5 (b)	**6,440**	--	60.2	--	--	--
E-6 (b)	**333**	--	**395**	7.93	--	--
E-7 (b)	**3,920**	--	14.9	--	--	--
E-8 (b)	**535**	--	21.1	--	--	--
E-9 (b)	158	--	5.62	--	--	--

Samples collected on January 18, 2005. Samples denoted with (a) were collected on August 12, 2004.
Samples denoted with (b) were collected on April 20, 2005.
All analytical data shown in milligrams/kilogram (mg/kg)
Concentrations listed in bold type exceed the 220 mg/kg cleanup goal for Lead
-- - Not Analyzed / No sample collected from this interval
Depth of excavated area = 2 feet below base of asphalt

Table 10 (Page 4 of 6)
Soil Sampling Results - Lead
Bay Zinc Facility - Moxee, WA
Warehouse Entryway AOC

LEAD

Sample Location	Soil Sample Interval		
	0 - 1'	1 - 2'	2 - 4'
U8-A	4.04**	--	--
U5-B	--	--	**752**
U5-C	128**	--	24
U2-A	11.6**	--	--
U2-B	11.2**	--	8.7
GP-451	4.25	--	--
GP-453	**1,730**	5.75	4.94
SS-7	95.8	--	--
U1-F	8.0**	--	6.6
U1-G	23.6**	--	--

Samples collected as part of Site Investigation work conducted in February - March, 2002
** Results are for sampled interval of 0-2'
Soil sample intervals are feet below grade

Table 10 (Page 5 of 6)
Soil Sampling Results - Zinc
Bay Zinc Facility - Moxee, WA
Warehouse Entryway AOC

ZINC

Sample Location	Soil Sample Interval Depth - Feet Below Grade					
	0' - 1'	1' - 2'	2' - 3'	3' - 4'	4' - 5'	5' - 6'
N-1 (a)	**145,000**	--	--	--	--	--
N-2 (a)	**24,200**	--	**2,000**	--	--	--
N-3	--	**224,000**	**10,500**	**891**	--	--
N-4	--	--	**241,000**	97.5	--	--
N-17 (b)	10,800	--	**105,000**	42.7	--	--
N-18 (b)	--	--	20,700	346	--	--
S-1 (a)	**49,500**	--	--	--	--	--
S-2 (a)	**48,300**	--	44.2	--	--	--
S-3	--	**27,700**	87.7	--	--	46.2
S-4	--	**24,100**	77.6	--	--	--
S-5	--	**19,100**	--	--	--	--
S-6	--	--	--	--	--	--
W-1 (a)	**81,300**	--	**3,690**	--	--	--
W-3	--	**53,200**	**165,000**	111	--	32.5
W-4	--	--	**74,600**	57	--	--
W-5	--	**48,900**	**22,500**	**875**	--	--
W-10 (b)	**15,700**	--	63.6	--	--	--
W-11 (b)	2,170	--	22,200	--	--	--
W-12 (b)	308	--	1,570	--	--	--
W-13 (b)	649	--	71.6	--	--	--
W-14 (b)	18,600	--	51.0	--	--	--
W-15 (b)	23,000	--	52.1	--	--	--
W-16 (b)	1,920	--	1,710	--	--	--
E-1 (a)	**98,800**	--	--	--	--	--
E-2 (a)	**81,300**	--	**9,350**	--	--	--
E-3	--	**250,000**	237	--	--	49.0
E-4	--	**124,000**	**3410**	**1140**	--	--
E-5 (b)	**58,100**	--	**36,400**	--	--	--
E-6 (b)	2,760	--	11,900	--	--	--
E-7 (b)	**36,200**	--	273	--	--	--
E-8 (b)	9,110	--	2,250	--	--	--
E-9 (b)	4,320	--	20,000	--	--	--

Samples collected on January 18, 2005. Samples denoted with (a) were collected on August 12, 2004.
Samples denoted with (b) were collected on April 20, 2005.
All analytical data shown in milligrams/kilogram (mg/kg)
Concentrations listed in bold type exceed the 24,000/570 mg/kg cleanup goal for Zinc
-- - Not Analyzed / No sample collected from this interval
Depth of excavated area = 2 feet below base of asphalt

Table 10 (Page 6 of 6)
Soil Sampling Results - Zinc
Bay Zinc Facility - Moxee, WA
Warehouse Entryway AOC

ZINC

Sample Location	Soil Sample Interval		
	0 - 1'	1 - 2'	2 - 4'
U8-A	1,689**	--	--
U5-B	--	--	11,662
U5-C	12,400**	--	--
U2-A	**25,200****	--	--
U2-B	128**	--	--
GP-451	65	300	59
GP-453	**320,000**	87	52
SS-7	2,000	--	--
U1-F	880**	--	--
U1-G	19,600**	--	--

Samples collected as part of Site Investigation work conducted in February - March, 2002
** Results are for sampled interval of 0-2'
Soil sample intervals are feet below grade

Table 11
Summary of Groundwater Analytical Results: 2003 - June 2005
Bay Zinc Facility - Moxee, WA

WELL ID NUMBER		MW-1A	MW-1B	MW-2	MW-3	MW-5	MW-6	MW-7	MW-8	MW-8D	MW-9	MW-10	MW-10D	PZ-1
PARAMETER	**DATE**													
CHLORIDE														
Cleanup Goal - 250 mg/l	1/31/2003	-	89.8	487	105	19.5	-	-	418	-	448	543	-	-
	6/16/2003	-	64	416	203	18.4	-	-	-	-	-	212	-	323
	9/16/2003	-	42	42	70	19	-	-	160	-	600	130	-	-
	12/9/2003	-	46	71	87	21	-	-	150	-	650	110	-	-
	3/17/2004	-	50	410	180	19	-	-	140	-	800	120	-	-
	6/16/2004	-	29	71	110	19	-	-	440	-	450	110	-	-
	7/16/2004	22	-	-	-	-	-	-	-	22	-	-	25	-
	9/20/2004	-	20	43	42	20	-	-	130	-	720	110	-	-
	12/13/2004	-	25	59	85	20	-	-	130	-	800	120	-	-
	3/21/2005	-	26	160	190	23	-	-	120	-	620	120	-	-
	6/21/2005	-	22.5	51	92	19.5	-	-	129		600	125	-	-
SULFATE														
Cleanup Goal - 250 mg/l	1/31/2003	-	2190	1117	1191	46.3	-	-	1518	-	727	1576	-	-
	6/16/2003	-	1450	416	2020	42.4	-	-	-	-	-	1574	-	830
	9/16/2003	-	805	71.8	480	42.5	-	-	580	-	1020	615	-	-
	12/9/2003	-	613	ND	609	ND	-	-	677	-	1030	630	-	-
	3/17/2004	-	1610	1020	1540	108	-	-	630	-	1420	605	-	-
	6/16/2004	-	566	113	642	52	-	-	1170	-	797	578	-	-
	7/16/2004	52.8	-	-	-	-	-	-	-	78.7	-	-	130	-
	9/20/2004	-	114	83	174	50.6	-	-	46	-	1610	538	-	-
	12/13/2004	-	188	98.1	516	35.9	-	-	488	-	1430	578	-	-
	3/21/2005	-	356	273	1080	53	-	-	460	-	796	588	-	-
	6/21/2005	-	102	118	610	58.8	-	-	370	-	1350	589	-	-
CADMIUM														
Cleanup Goal - 0.005 mg/l	1/31/2003	-	0.2	ND	0.84	ND	-	-	ND	-	ND	ND	-	-
	6/16/2003	-	0.13	ND	0.14	ND	-	-	-	-	-	ND	-	ND
	9/16/2003	-	0.073	0.001	0.043	ND	-	-	0.006	-	ND	ND	-	-
	12/9/2003	-	0.052	ND	0.031	ND	-	-	0.004	-	ND	ND	-	-
	3/17/2004	-	0.1	ND	0.23	ND	-	-	0.006	-	ND	ND	-	-
	6/16/2004	-	0.042	0.003	0.082	0.006	-	-	0.095	-	0.003	0.004	-	-
	7/16/2004	0.002	-	-	-	-	-	-	-	0.001	-	-	ND	-
	9/20/2004	-	0.01	ND	0.007	ND	-	-	ND	-	ND	ND	-	-
	12/13/2004	-	0.015	ND	0.041	ND	-	-	0.01	-	ND	ND	-	-
	3/21/2005	-	0.028	ND	0.21	ND	-	-	0.005	-	ND	ND	-	-
	6/21/2005	-	ND	ND	0.08	ND	-	-	0.005		ND	ND	-	-

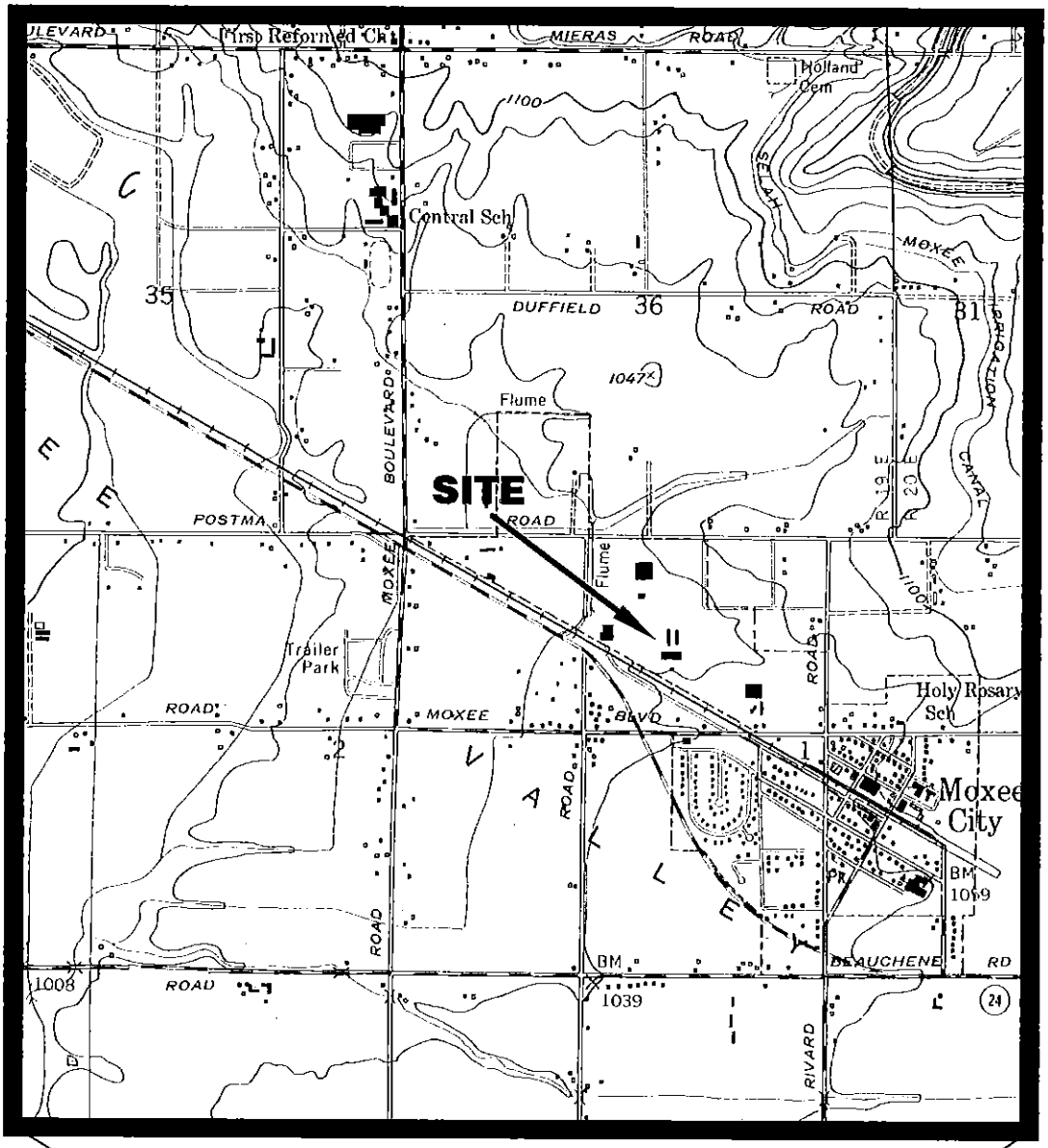
Table 11 -- Continued
Summary of Groundwater Analytical Results: 2003 - June 2005
Bay Zinc Facility - Moxee, WA

WELL ID NUMBER		MW-1A	MW-1B	MW-2	MW-3	MW-5	MW-6	MW-7	MW-8	MW-8D	MW-9	MW-10	MW-10D	PZ-1
PARAMETER	DATE													
MANGANESE														
Cleanup Goal - 0.05 mg/l	1/31/2003	-	1.39	0.28	3.4	0.11	-	-	25.2	-	0.99	0.4	-	-
	6/16/2003	-	1.29	0.73	5.24	0.033	-	-	-	-	-	0.097	-	0.67
	9/16/2003	-	0.45	0.63	1.5	0.039	-	-	3.3	-	0.018	0.63	-	-
	12/9/2003	-	0.083	0.44	1.5	ND	-	-	2.5	-	0.11	0.29	-	-
	3/17/2004	-	0.17	0.24	11	0.027	-	-	3.4	-	0.11	0.005	-	-
	6/16/2004	-	0.071	0.032	5.7	0.11	-	-	18	-	2.2	0.031	-	-
	7/16/2004	0.003	-	-	-	-	-	-	-	ND	-	-	ND	-
	9/20/2004	-	0.13	0.47	1.2	0.051	-	-	3.4	-	2.9	0.27	-	-
	12/13/2004	-	0.06	0.74	3.3	0.047	-	-	3.8	-	3.5	0.61	-	-
	3/21/2005	-	0.022	0.026	13	0.033	-	-	3.5	-	2.4	0.016	-	-
	6/21/2005	-	0.09	0.029	5.8	0.001	-	-	3.9	-	2.4	0.37	-	-
ZINC														
Cleanup Goal - 5.0 mg/l	1/31/2003	-	286	0.097	13.6	0.014	-	-	0.014	-	0.3	0.021	-	-
	6/16/2003	-	175	0.035	19	0.008	-	-	-	-	-	0.011	-	0.021
	9/16/2003	-	73	0.25	5	0.076	-	-	3.1	-	0.34	0.059	-	-
	12/9/2003	-	47	0.061	4.2	0.11	-	-	2.8	-	0.14	0.048	-	-
	3/17/2004	-	190	0.035	45	0.037	-	-	3.4	-	0.18	ND	-	-
	6/16/2004	-	79	0.22	12	0.38	-	-	41	-	0.25	0.081	-	-
	7/16/2004	0.072	-	-	-	-	-	-	-	0.058	-	-	0.001	-
	9/20/2004	-	25	0.003	1.8	0.052	-	-	2.8	-	0.21	0.033	-	-
	12/13/2004	-	27	0.18	5.4	0.085	-	-	4.4	-	0.16	0.053	-	-
	3/21/2005	-	50	0.46	41	0.1	-	-	3.7	-	0.11	0.036	-	-
	6/21/2005	-	15	0.025	12	0.063	-	-	3.7	-	0.098	0.005	-	-

Notes: - indicates not sampled ND - Not detected at laboratory detection limit mg/l - milligrams per liter

Figures

SOURCE: U.S. GEOLOGICAL SURVEY; 7.5 MINUTE SERIES (TOPOGRAPHIC)
YAKIMA EAST QUADRANGLE, WASHINGTON; DATED 1985



BAY-ZINC COMPANY FACILITY
MOXEE, WASHINGTON

Linebach ▪ Funkhouser, Inc.
environmental compliance & consulting

SITE LOCATION MAP

PROJECT NO:	SCALE:	FILENAME:	FIGURE:
100-02	-	10002-1C	1
		PLOT DATE: 4/12/05	

GRAVEL AND WEEDS

AOC-5-1
AOC-5-2
AOC-5-3
AOC-5-4
AOC-5-5
AOC-5-6
AOC-5-7
AOC-5-8
AOC-5-9
AOC-5-10
AOC-5-11
AOC-5-12
AOC-5-13
AOC-5-14
AOC-5-15
AOC-5-16
AOC-5-17
AOC-5-18
AOC-5-19
AOC-5-20
AOC-5-21
AOC-5-22
AOC-5-23
AOC-5-24

U5-B
N-17
N-18
SWMU-1-1

WH-1-1
WH-1-2
WH-1-3
WH-1-4
WH-1-5
WH-1-6
WH-1-7
WH-1-8
WH-1-9

AOC-7-1
AOC-7-2
AOC-7-3
AOC-7-4
AOC-7-5
AOC-7-6
AOC-7-7

MW-7
MW-10D
MW-3
MW-6
MW-2
SS-7

WAREHOUSE

WEST STORAGE BUILDING

EAST STORAGE BUILDING

MW-9

N-4
N-3

SWMU-1-2
SWMU-1-3
SWMU-1-4
SWMU-1-5

PZ-1
MW-8D
U1-F
BLDG

AOC-3-1
AOC-3-2
AOC-3-3
AOC-3-4
AOC-3-5
AOC-3-6
AOC-3-7
AOC-3-8
MW-5
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AOC-3-19
MW-1B
MW-1A

MW-2
AOC-7-7
WH-1-8
WH-1-9
SS-7
N-4
N-3
MW-8D
PZ-1
SWMU-1-5
MW-8
U1-F
BLDG
MW-1B
MW-1A
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AOC-3-18
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AOC-8-10
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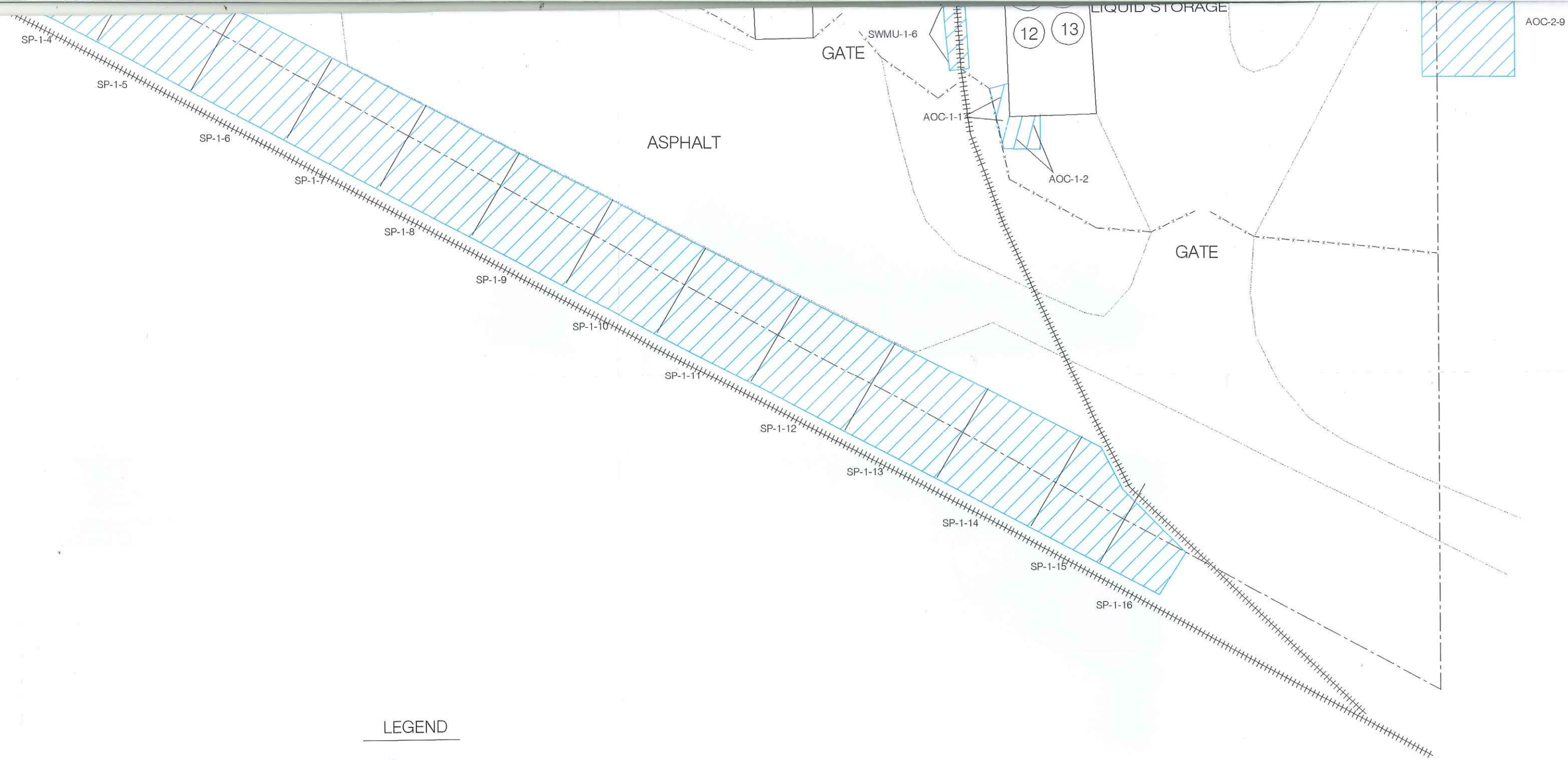
W-14
W-5
W-4
W-3
W-10
W-11
WH2-N-2
WH2-N-1
WH-2-1
WH2-W-1
WH-2-2
WH2-E-2
WH2-E-1
E-3
E-4
E-5
E-6
E-8
E-7
E-9
WH2-S-1
WH2-S-2
S-3
S-4
S-5
S-6
U2-A
1
2
3
4
5
DRY
STORAGE
U1-G
CONCRETE COVERED TRACKS
AOC-2-1
AOC-2-2
AOC-2-3
AOC-2-4
AOC-2-5
AOC-2-6
AOC-2-7
AOC-2-8
AOC-2-9
U2-B
SWMU-1-14
NEW
BUILDING
NB-1-2
NB-1-1
MAIN PROCESS BUILDING
FUEL
AREA
SWMU-1-12
SWMU-1-10
TRENCH
AOC-10-2
AOC-10-1
MUD
WASH
AREA
SWMU-6-1
SWMU-6-2
SWMU-1-9
ACID UNLOAD
RACK
GATE
BLDG
BLDG
BLDG
SWMU-1-8
ACID STORAGE
GRASS
OFFICE
SWMU-1-7
PARKING
10
11
12
13
LIQUID STORAGE
SWMU-1-6
GATE
SP-1-4
SP-1-5
SP-1-6
AOC-1-1
ASPHALT



LEGEND

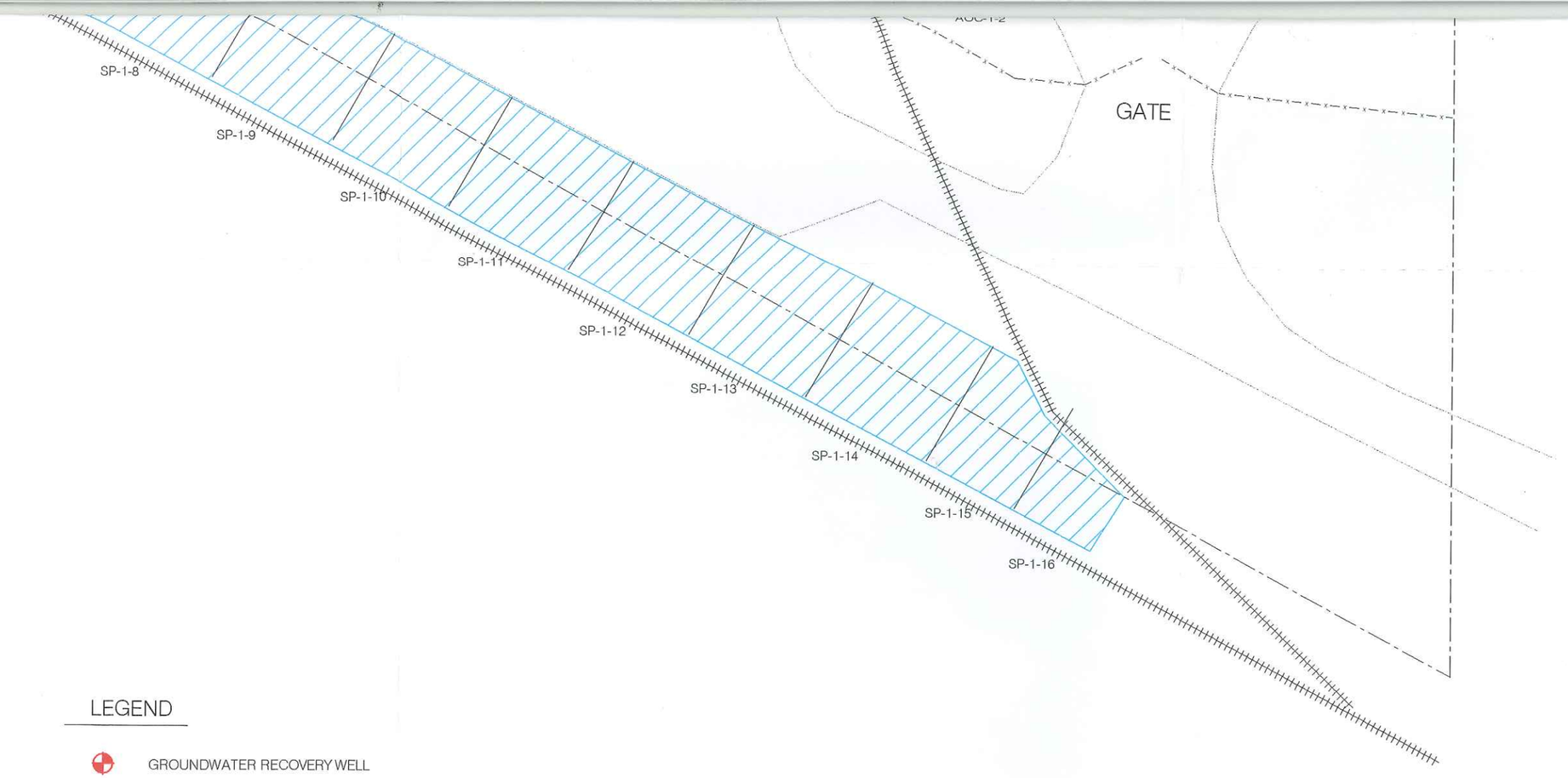
- GROUNDWATER RECOVERY WELL
- GROUNDWATER MONITORING WELL
- SOIL REMEDIATION CLEANUP GOALS ATTAINED
- AGREED ORDER REMOVAL DEPTH COMPLIANCE CONDITIONS MET, BUT CLEANUP GOALS NOT ATTAINED. (SITE MANAGEMENT / DEED RESTRICTION AREAS)
- WAREHOUSE ENTRY WAY AREA EXCAVATED TO DEPTH OF 2 FEET

40 0 40
SCALE IN FEET

EXCAVATED DEPTHS FOR GRID BLOCKS IN EACH AREA ARE PROVIDED IN TABLES 1 THROUGH 10 OF THE *REPORT OF SOIL AND GROUNDWATER REMEDIATION*

Linebach Funkhouser, Inc.
environmental compliance & consulting

BAY-ZINC COMPA
MOXEE, WASH



LEGEND

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- GROUNDWATER MONITORING WELL
- SOIL REMEDIATION CLEANUP GOALS ATTAINED
- AGREED ORDER REMOVAL DEPTH COMPLIANCE CONDITIONS MET, BUT CLEANUP GOALS NOT ATTAINED. (SITE MANAGEMENT / DEED RESTRICTION AREAS)
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40 0 40
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Linebach Funkhouser, Inc.
environmental compliance & consulting

BAY-ZINC COMPANY FACIL
MOXEE, WASHINGTON

PROJECT No.: 100-02	FILENAME: 10002-1A	
DRAWN BY: CCD	PRINT DATE: 8/9/05	FIGURE: 2

SITE PLAN SHOWING STATUS OF SOIL REMEDIATION

Appendix A

Documentation/Receipts of Soil Disposal

WASTE MANAGEMENT

PAID 2-20-03

of mw 2/10/03

COLUMBIA RIDGE LANDFILL & RECYCLING CENTER
18177 Cedar Springs Lane
Arlington, OR 97812
(541) 454-2030
(541) 454-3312 Fax

CUSTOMER INFORMATION:
Li nebach Funkhouser, Inc.
4059 Shelbyville Rd.
Louisville, KY. 40207
Attn: Accts. Payable

ACCOUNT #	0000473
INVOICE #:	3103
DATE:	1/31/03
PROFILE #:	0669CW
LOCATION:	Moxee, Wa.
WASTE TYPE:	Tire Ash Soil

SUMMARY OF CHARGES

TOTAL TONS	2654.39	TOTAL LOADS	87
BILLED TONS (30 Ton Min/Load)	2696.79		
DISPOSAL		$10.00/TON	$26,543.94
TRANSPORTATION		$23.00/TON	$62,026.17
ODEQ FEE		$1.24/TON	$3,291.44
		SUBTOTAL	$91,861.55
WASHINGTON REFUSE TAX		3.6%	$3,307.02
TOTAL AMOUNT DUE			$95,168.57

SEND REMITTANCE TO:

COLUMBIA RIDGE LANDFILL
18177 CEDAR SPRINGS LANE
ARLINGTON, OR 97812
ATTN: ACCTS RECEIVABLE

AMOUNT DUE: $95,168.57

'E THANK YOU FOR YOUR BUSINESS AND PROMPT PAYMENT!

Chemical Waste Management of the Northwest
17629 Cedar Springs Lane
Arlington, OR 97812
(503) 493-7825
(206) 505-9163

INVOICE

THIS IS AN INVOICE FOR CURRENT CHARGES. PLEASE PAY AMOUNT INDICATED BELOW

TERMS

DUE UPON RECEIPT OR PER CONTRACT

ALL PAST DUE AMOUNTS WILL BEAR INTEREST AT ONE AND ONE HALF PERCENT PER MONTH OR THE MAXIMUM RATE ALLOWED BY LAW, WHICHEVER IS LESS

LINEBACH FUNKHOUSER INC
ATTN: ACCOUNTS PAYABLE
4059 SHELBYVILLE RD
LOUISVILLE KY 40207

Invoice Date: 01/31/2003
Customer #: 450-1442545
Invoice #: 2236-0065335
Page #: 1

Manifest#	Profile Description	Gener/Quantity		P.O.#/Unit	Biller	Rate	Total
0000366157	CW1153 CONTAMINATED SOIL	000720 BAY ZINC CO INC		BAY ZINC CO	ATIMMERM	Svc Date	01/20/2003
	STABILIZATION	DISPOSAL	31.71	TONS		170.00000	5,390.70
	TRANSPORTATION	TRANSPORTATION	31.71	LOAD		24.00000	761.04
	STATE WASTE MGMT FEE		31.71	TONS		2.00000	63.42
	MANIFEST DOCUMENT# 00003						
						Subtotal	6,215.16
0000366158	CW1153 CONTAMINATED SOIL	000720 BAY ZINC CO INC		BAY ZINC CO	ATIMMERM	Svc Date	01/20/2003
	STABILIZATION	DISPOSAL	31.47	TONS		170.00000	5,349.90
	TRANSPORTATION	TRANSPORTATION	31.47	LOAD		24.00000	755.28
	STATE WASTE MGMT FEE		31.47	TONS		2.00000	62.94
	MANIFEST DOCUMENT# 00002						
						Subtotal	6,168.12
0000366159	CW1153 CONTAMINATED SOIL	000720 BAY ZINC CO INC		BAY ZINC CO	ATIMMERM	Svc Date	01/20/2003
	STABILIZATION	DISPOSAL	31.79	TONS		170.00000	5,404.30
	TRANSPORTATION	TRANSPORTATION	31.79	LOAD		24.00000	762.96
	STATE WASTE MGMT FEE		31.79	TONS		2.00000	63.58
	MANIFEST DOCUMENT# 00001						
						Subtotal	6,230.84
0000366225	CW1153 CONTAMINATED SOIL	000720 BAY ZINC CO INC		BAY ZINC CO	ATIMMERM	Svc Date	01/23/2003
	STABILIZATION	DISPOSAL	32.27	TONS		170.00000	5,485.90
	TRANSPORTATION	TRANSPORTATION	32.27	LOAD		24.00000	774.48
	STATE WASTE MGMT FEE		32.27	TONS		2.00000	64.54
	MANIFEST DOCUMENT# 00005						
						Subtotal	6,324.92
0000366226	CW1153 CONTAMINATED SOIL	000720 BAY ZINC CO INC		BAY ZINC CO	ATIMMERM	Svc Date	01/23/2003
	STABILIZATION	DISPOSAL	31.56	TONS		170.00000	5,365.20
	TRANSPORTATION	TRANSPORTATION	31.56	LOAD		24.00000	757.44

Remit to: CHEMICAL WASTE MANAGEMENT, INC.
P.O. BOX 840606
DALLAS, TX 75284-0606

Continued

Chemical Waste Management of the Northwest
17629 Cedar Springs Lane
Arlington, OR 97812
(503) 493-7825
(206) 505-9163

INVOICE

THIS IS AN INVOICE FOR CURRENT CHARGES.
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LINEBACH FUNKHOUSER INC
ATTN: ACCOUNTS PAYABLE
4059 SHELBYVILLE RD
LOUISVILLE KY 40207

Invoice Date: 01/31/2003
Customer #: 450-1442545
Invoice #: 2236-0065335
Page #: 2

Manifest#	Profile Description	Gener/Quantity	P.O.#/Unit	Biller	Rate	Total
	STATE WASTE MGMT FEE	31.56	TONS		2.00000	63.12
	MANIFEST DOCUMENT# 00004					
					Subtotal	6,185.76
0000366227	CW1153 CONTAMINATED SOIL	000720 BAY ZINC CO INC	BAY ZINC CO	ATIMMERM	Svc Date	01/23/2003
	STABILIZATION	DISPOSAL	32.16	TONS	170.00000	5,467.20
	TRANSPORTATION	TRANSPORTATION	32.16	LOAD	24.00000	771.84
	STATE WASTE MGMT FEE		32.16	TONS	2.00000	64.32
	MANIFEST DOCUMENT# 00006					
					Subtotal	6,303.36
0000366251	CW1153 CONTAMINATED SOIL	000720 BAY ZINC CO INC	BAY ZINC CO	ATIMMERM	Svc Date	01/24/2003
	STABILIZATION	DISPOSAL	29.62	TONS	170.00000	5,035.40
	TRANSPORTATION	MINIMUM CHARGE	30.00	LOAD	24.00000	720.00
	STATE WASTE MGMT FEE		29.62	TONS	2.00000	59.24
	MANIFEST DOCUMENT# 00010					
					Subtotal	5,814.64
0000366252	CW1153 CONTAMINATED SOIL	000720 BAY ZINC CO INC	BAY ZINC CO	ATIMMERM	Svc Date	01/24/2003
	STABILIZATION	DISPOSAL	29.92	TONS	170.00000	5,086.40
	TRANSPORTATION	MINIMUM CHARGE	30.00	LOAD	24.00000	720.00
	STATE WASTE MGMT FEE		29.92	TONS	2.00000	59.84
	MANIFEST DOCUMENT# 00009					
					Subtotal	5,866.24
0000366253	CW1153 CONTAMINATED SOIL	000720 BAY ZINC CO INC	BAY ZINC CO	ATIMMERM	Svc Date	01/24/2003
	STABILIZATION	DISPOSAL	32.34	TONS	170.00000	5,497.80
	TRANSPORTATION	TRANSPORTATION	32.34	LOAD	24.00000	776.16
	STATE WASTE MGMT FEE		32.34	TONS	2.00000	64.68
	MANIFEST DOCUMENT# 00008					
					Subtotal	6,338.64

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P.O. BOX 840606
DALLAS, TX 75284-0606

Continued

Chemical Waste Management of the Northwest
17629 Cedar Springs Lane
Arlington, OR 97812
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(206) 505-9163

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LINEBACH FUNKHOUSER INC
ATTN: ACCOUNTS PAYABLE
4059 SHELBYVILLE RD
LOUISVILLE KY 40207

Invoice Date: 01/31/2003
Customer #: 450-1442545
Invoice #: 2236-0065335
Page #: 3

Manifest#	Profile Description	Gener/Quantity	P.O.#/Unit	Biller	Rate	Total
0000366261	CW1153 CONTAMINATED SOIL	000720 BAY ZINC CO INC	BAY ZINC CO	ATIMMERM	Svc Date	01/27/2003
	STABILIZATION	DISPOSAL	32.69 TONS		170.00000	5,557.30
	TRANSPORTATION	TRANSPORTATION	32.69 LOAD		24.00000	784.56
	STATE WASTE MGMT FEE		32.69 TONS		2.00000	65.38
	MANIFEST DOCUMENT# 00011					
					Subtotal	6,407.24
0366262	CW1153 CONTAMINATED SOIL	000720 BAY ZINC CO INC	BAY ZINC CO	ATIMMERM	Svc Date	01/27/2003
	STABILIZATION	DISPOSAL	30.69 TONS		170.00000	5,217.30
	TRANSPORTATION	TRANSPORTATION	30.69 LOAD		24.00000	736.56
	STATE WASTE MGMT FEE		30.69 TONS		2.00000	61.38
	MANIFEST DOCUMENT# 00012					
					Subtotal	6,015.24
0000366263	CW1153 CONTAMINATED SOIL	000720 BAY ZINC CO INC	BAY ZINC CO	ATIMMERM	Svc Date	01/27/2003
	STABILIZATION	DISPOSAL	32.73 TONS		170.00000	5,564.10
	TRANSPORTATION	TRANSPORTATION	32.73 LOAD		24.00000	785.52
	STATE WASTE MGMT FEE		32.73 TONS		2.00000	65.46
	MANIFEST DOCUMENT# 00007					
					Subtotal	6,415.08
0000366284	CW1153 CONTAMINATED SOIL	000720 BAY ZINC CO INC	BAY ZINC CO	ATIMMERM	Svc Date	01/28/2003
	STABILIZATION	DISPOSAL	31.06 TONS		170.00000	5,280.20
	TRANSPORTATION	TRANSPORTATION	31.06 LOAD		24.00000	745.44
	STATE WASTE MGMT FEE		31.06 TONS		2.00000	62.12
	MANIFEST DOCUMENT# 00015					
					Subtotal	6,087.76
0000366285	CW1153 CONTAMINATED SOIL	000720 BAY ZINC CO INC	BAY ZINC CO	ATIMMERM	Svc Date	01/28/2003
	STABILIZATION	DISPOSAL	32.15 TONS		170.00000	5,465.50

Remit to: CHEMICAL WASTE MANAGEMENT, INC.
P.O. BOX 840606
DALLAS, TX 75284-0606

Continued

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Arlington, OR 97812
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(206) 505-9163

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4059 SHELBYVILLE RD
LOUISVILLE KY 40207

Invoice Date: 01/31/2003
Customer #: 450-1442545
Invoice #: 2236-0055335
Page #: 4

Manifest#	Profile Description	Gener/Quantity		P.O.#/Unit	Biller	Rate	Total
	TRANSPORTATION	TRANSPORTATION	32.15	LOAD		24.00000	771.60
	STATE WASTE MGMT FEE		32.15	TONS		2.00000	64.30
		MANIFEST DOCUMENT# 00013					
						Subtotal	6,301.40
0000366286	CW1153 CONTAMINATED SOIL	000720 BAY ZINC CO INC		BAY ZINC CO	ATIMMERM	Svc Date	01/28/2003
	STABILIZATION	DISPOSAL	32.72	TONS		170.00000	5,562.40
	TRANSPORTATION	TRANSPORTATION	32.72	LOAD		24.00000	785.28
	STATE WASTE MGMT FEE		32.72	TONS		2.00000	65.44
		MANIFEST DOCUMENT# 00014					
						Subtotal	6,413.12
0000366312	CW1153 CONTAMINATED SOIL	000720 BAY ZINC CO INC		BAY ZINC CO	ATIMMERM	Svc Date	01/29/2003
	STABILIZATION	DISPOSAL	32.61	TONS		170.00000	5,543.70
	TRANSPORTATION	TRANSPORTATION	32.61	LOAD		24.00000	782.64
	STATE WASTE MGMT FEE		32.61	TONS		2.00000	65.22
		MANIFEST DOCUMENT# 00016					
						Subtotal	6,391.56
0000366313	CW1153 CONTAMINATED SOIL	000720 BAY ZINC CO INC		BAY ZINC CO	ATIMMERM	Svc Date	01/29/2003
	STABILIZATION	DISPOSAL	31.66	TONS		170.00000	5,382.20
	TRANSPORTATION	TRANSPORTATION	31.66	LOAD		24.00000	759.84
	STATE WASTE MGMT FEE		31.66	TONS		2.00000	63.32
		MANIFEST DOCUMENT# 00018					
						Subtotal	6,205.36
0000366314	CW1153 CONTAMINATED SOIL	000720 BAY ZINC CO INC		BAY ZINC CO	ATIMMERM	Svc Date	01/29/2003
	STABILIZATION	DISPOSAL	31.14	TONS		170.00000	5,293.80
	TRANSPORTATION	TRANSPORTATION	31.14	LOAD		24.00000	747.36
	STATE WASTE MGMT FEE		31.14	TONS		2.00000	62.28
		MANIFEST DOCUMENT# 00017					
						Subtotal	6,103.44

Remit to: CHEMICAL WASTE MANAGEMENT, INC.
P.O. BOX 840606
DALLAS, TX 75284-0606

Continued

Chemical Waste Management of the Northwest
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LOUISVILLE KY 40207

Invoice Date: 01/31/2003
Customer #: 450-1442545
Invoice #: 2236-0065335
Page #: 5

Manifest#	Profile	Description	Gener/Quantity	P.O.#/Unit	Biller	Rate	Total

** PAYMENT DUE UPON
RECEIPT OF INVOICE
OR PER CONTRACT **
THANK YOU FOR YOUR BUSINESS!

Remit to: CHEMICAL WASTE MANAGEMENT, INC.
P.O. BOX 840606
DALLAS, TX 75284-0606

Total Due $111,787.88

ok A/P 8/11/03
Project 100-02

WASTE MANAGEMENT

AUG 1 1 2003

COLUMBIA RIDGE LANDFILL & RECYCLING CENTER

18177 Cedar Springs Lane
Arlington, OR 97812
(541) 454-2030
(541) 454-3312 Fax

PAID 8/8/03

CUSTOMER INFORMATION:

Linebach Funkhouser, Inc.
4059 Shelbyville Rd.
Louisville, KY. 40207
Attn: Accts Payable

ACCOUNT #	0000473
INVOICE #:	4888
DATE:	7/31/2003
PROFILE #	0669CW
WASTE TYPE:	Tire Ash Soil
LOCATION:	Moxee Wa.

SUMMARY OF CHARGES

TOTAL TONS	1167.68	TOTAL CONTAINERS	37
BILLED TONS (30 Ton Min - Trans)	1169.33		
DISPOSAL		$10.00/TON	$11,676.78
TRANSPORTATION - 30 Ton Min.		$23.00/TON	$26,894.59
ODEQ FEE		$1.24/TON	$1,447.92
		SUBTOTAL	$40,019.29
WASHINGTON REFUSE TAX		3.6%	$1,440.69
TOTAL AMOUNT DUE			$41,459.98

* 6/3/03 Thur 7/14/03 = 41 days

SEND REMITTANCE TO:

COLUMBIA RIDGE LANDFILL
18177 CEDAR SPRINGS LANE
ARLINGTON, OR 97812
ATTN: ACCTS. RECEIVABLE

AMOUNT DUE: $41,459.98
Payment due upon receipt

WE THANK YOU FOR YOUR BUSINESS AND PROMPT PAYMENT!

pd
ok
mf
9/2/03

WASTE MANAGEMENT

AUG 2 5 2003

PAID
10-7-03

COLUMBIA RIDGE LANDFILL & RECYCLING CENTER

18177 Cedar Springs Lane
Arlington, OR 97812
(541) 454-2030
(541) 454-3312 Fax

CUSTOMER INFORMATION:

Linebach Funkhouser, Inc.
4059 Shelbyville Rd.
Louisville, KY. 40207
Attn: Accts Payable

ACCOUNT #	0000473
INVOICE #:	5009
DATE:	8/16/2003
PROFILE #	0669CW
WASTE TYPE:	Tire Ash Soil
LOCATION:	Moxee Wa.

SUMMARY OF CHARGES

TOTAL TONS	1565.5	TOTAL CONTAINERS	50
BILLED TONS (30 Ton Min - Trans)	1591.63		
DISPOSAL		$10.00/TON	$15,654.93
TRANSPORTATION - 30 Ton Min.		$23.00/TON	$36,607.49
ODEQ FEE		$1.24/TON	$1,941.22
		SUBTOTAL	$54,203.64
WASHINGTON REFUSE TAX		3.6%	$1,951.33
TOTAL AMOUNT DUE			$56,154.97

SEND REMITTANCE TO:

COLUMBIA RIDGE LANDFILL
18177 CEDAR SPRINGS LANE
ARLINGTON, OR 97812
ATTN: ACCTS. RECEIVABLE

AMOUNT DUE: $56,154.97
Payment due upon receipt

WE THANK YOU FOR YOUR BUSINESS AND PROMPT PAYMENT!

Chemical Waste Management of the Northwest
17629 Cedar Springs Lane
Arlington, OR 97812
(503) 493-7825
(206) 505-9163

INVOICE

THIS IS AN INVOICE FOR CURRENT CHARGES. PLEASE PAY AMOUNT INDICATED BELOW

TERMS

DUE UPON RECEIPT OR PER CONTRACT

ALL PAST DUE AMOUNTS WILL BEAR INTEREST AT ONE AND ONE HALF PERCENT PER MONTH OR THE MAXIMUM RATE ALLOWED BY LAW, WHICHEVER IS LESS

DL mF 9/2/03

100-02

AUG 2 5 2003

LINEBACH FUNKHOUSER INC
ATTN: ACCOUNTS PAYABLE
4059 SHELBYVILLE RD
LOUISVILLE KY 40207

Invoice Date: 08/19/2003
Customer #: 450-1442545
Invoice #: 2236-0066808
Page #: 1

Manifest#	Profile Description	Gener/Quantity	P.O.#/Unit	Biller	Rate	Total
0000368692	CW1153 CONTAMINATED SOIL	000720 BAY ZINC CO INC	BAY ZINC CO	ATIMMERM	Svc Date	08/12/2003
	STABILIZATION	DISPOSAL	33.20 TONS		170.00000	5,644.00
	TRANSPORTATION	TRANSPORTATION	33.20 LOAD		24.00000	796.80
	STATE WASTE MGMT FEE		33.20 TONS		2.00000	66.40
	MANIFEST DOCUMENT# 00001				Subtotal	6,507.20
0000368693	CW1153 CONTAMINATED SOIL	000720 BAY ZINC CO INC	BAY ZINC CO	ATIMMERM	Svc Date	08/12/2003
	STABILIZATION	DISPOSAL	29.46 TONS		170.00000	5,008.20
	TRANSPORTATION	MINIMUM CHARGE	30.00 LOAD		24.00000	720.00
	STATE WASTE MGMT FEE		29.46 TONS		2.00000	58.92
	MANIFEST DOCUMENT# 00003				Subtotal	5,787.12
0000368694	CW1153 CONTAMINATED SOIL	000720 BAY ZINC CO INC	BAY ZINC CO	ATIMMERM	Svc Date	08/12/2003
	STABILIZATION	DISPOSAL	32.86 TONS		170.00000	5,586.20
	TRANSPORTATION	TRANSPORTATION	32.86 LOAD		24.00000	788.64
	STATE WASTE MGMT FEE		32.86 TONS		2.00000	65.72
	MANIFEST DOCUMENT# 00002				Subtotal	6,440.56
0000368731	CW1153 CONTAMINATED SOIL	000720 BAY ZINC CO INC	BAY ZINC CO	ATIMMERM	Svc Date	08/14/2003
	STABILIZATION	DISPOSAL	32.35 TONS		170.00000	5,499.50
	TRANSPORTATION	TRANSPORTATION	32.35 LOAD		24.00000	776.40
	STATE WASTE MGMT FEE		32.35 TONS		2.00000	64.70
	MANIFEST DOCUMENT# 00005				Subtotal	6,340.60
368732	CW1153 CONTAMINATED SOIL	000720 BAY ZINC CO INC	BAY ZINC CO	ATIMMERM	Svc Date	08/14/2003
	STABILIZATION	DISPOSAL	33.12 TONS		170.00000	5,630.40
	TRANSPORTATION	TRANSPORTATION	33.12 LOAD		24.00000	794.88

Continued

Remit to: CHEMICAL WASTE MANAGEMENT, INC.
P.O. BOX 840606
DALLAS, TX 75284-0606

Chemical Waste Management of the Northwest
17629 Cedar Springs Lane
Arlington, OR 97812
(503) 493-7825
(206) 505-9163

INVOICE

THIS IS AN INVOICE FOR CURRENT CHARGES.
PLEASE PAY AMOUNT INDICATED BELOW

TERMS

DUE UPON RECEIPT OR PER CONTRACT

ALL PAST DUE AMOUNTS WILL BEAR INTEREST AT ONE AND ONE HALF PERCENT PER MONTH OR THE MAXIMUM RATE ALLOWED BY LAW, WHICHEVER IS LESS

LINEBACH FUNKHOUSER INC
ATTN: ACCOUNTS PAYABLE
4059 SHELBYVILLE RD
LOUISVILLE KY 40207

Invoice Date: 08/19/2003
Customer #: 450-1442545
Invoice #: 2236-0066808
Page #: 2

Manifest#	Profile	Description	Gener/Quantity		P.O.#/Unit	Biller	Rate	Total
	STATE WASTE MGMT FEE			33.12	TONS		2.00000	66.24
	MANIFEST DOCUMENT# 00004							
							Subtotal	6,491.52
0000368733	CW1153 CONTAMINATED SOIL		000720 BAY ZINC CO INC		BAY ZINC CO	ATIMMERM	Svc Date	08/14/2003
	STABILIZATION	DISPOSAL		33.34	TONS		170.00000	5,667.80
	TRANSPORTATION	TRANSPORTATION		33.34	LOAD		24.00000	800.16
	STATE WASTE MGMT FEE			33.34	TONS		2.00000	66.68
	MANIFEST DOCUMENT# 00006							
							Subtotal	6,534.64
0000368745	CW1153 CONTAMINATED SOIL		000720 BAY ZINC CO INC		BAY ZINC CO	ATIMMERM	Svc Date	08/15/2003
	STABILIZATION	DISPOSAL		32.66	TONS		170.00000	5,552.20
	TRANSPORTATION	TRANSPORTATION		32.66	LOAD		24.00000	783.84
	STATE WASTE MGMT FEE			32.66	TONS		2.00000	65.32
	MANIFEST DOCUMENT# 00007							
							Subtotal	6,401.36

** PAYMENT DUE UPON
RECEIPT OF INVOICE
OR PER CONTRACT **
THANK YOU FOR YOUR BUSINESS!

Remit to: CHEMICAL WASTE MANAGEMENT, INC.
P.O. BOX 840606
DALLAS, TX 75284-0606

Total Due $44,503.00

PAID 2-9-04

DEC 2 9 2003

COLUMBIA RIDGE LANDFILL & RECYCLING CENTER
A WASTE MANAGEMENT COMPANY

18177 Cedar Springs Lane
Arlington, OR 97812
(541) 454-2030
(541) 454-3312 Fax

12/30/03
10022

CUSTOMER INFORMATION:

Linebach Funkhouser, Inc.
4059 Shelbyville Rd.
Louisville, KY. 40207
Attn: Accts Payable

DEC 2 9 2003

ACCOUNT #	0000473
INVOICE #:	5789
DATE:	12/16/2003
PROFILE #	0669CW
WASTE TYPE:	Tire Ash Soil
LOCATION:	Moxee Wa.

SUMMARY OF CHARGES

TOTAL TONS	1130.43	TOTAL CONTAINERS	36
BILLED TONS (30 Ton Min - Trans)	1147.38		
DISPOSAL		$10.00/TON	$11,304.31
TRANSPORTATION - 30 Ton Min.		$23.00/TON	$26,389.74
ODEQ FEE		$1.24/TON	$1,401.73
		SUBTOTAL	$39,095.78
WASHINGTON REFUSE TAX		3.6%	$1,407.45
TOTAL AMOUNT DUE			$40,503.23

SEND REMITTANCE TO:

COLUMBIA RIDGE LANDFILL
18177 CEDAR SPRINGS LANE
ARLINGTON, OR 97812
ATTN: ACCTS. RECEIVABLE

AMOUNT DUE: $40,503.23
Payment due upon receipt

WE THANK YOU FOR YOUR BUSINESS AND PROMPT PAYMENT!

PAID 9/3/04

WASTE MANAGEMENT

COLUMBIA RIDGE LANDFILL & RECYCLING CENTER
18177 Cedar Springs Lane
Arlington, OR 97812
(541) 454-2030
(541) 454-2031 Fax

CUSTOMER INFORMATION:
Bay Zinc Company
PO Box 167
Moxee, Wa. 98936
Attn: Accts Payable

ACCOUNT #	0000685
INVOICE #:	7392
DATE:	7/16/2004
PROFILE #	24031CV
LOCATION:	Moxee, Wa.
WASTE TYPE:	Tire Ash Soil

SUMMARY OF CHARGES

TOTAL TONS	160.73	TOTAL CONTAINERS	5
BILLED TONS (30 Ton Min	161.15		
DISPOSAL		$10.00/TON	$1,607.29
TRANSPORTATION		$24.00/TON	$3,867.60
ODEQ FEE		$.30/TON	$48.22
TOTAL AMOUNT DUE			$5,523.11

SEND REMITTANCE TO:

Waste Management
Columbia Ridge Landfill
P.O. Box 78251
Phoenix, AZ. 85062-8251

AMOUNT DUE: $5,523.11
Payment due upon receipt

Please reference your account number and invoice number on your payment. Thankyou.

WASTE MANAGEMENT

PAID 9-21-04 PO 72999.83

COLUMBIA RIDGE LANDFILL & RECYCLING CENTER
18177 Cedar Springs Lane
Arlington, OR 97812
(541) 454-2030
(541) 454-3312 Fax

CUSTOMER INFORMATION:
Bay Zinc Company
PO Box 167
Moxee, Wa. 98936
Attn: Accts Payable

ACCOUNT #	0000685
INVOICE #:	7480
DATE:	7/31/2004
PROFILE #	24031CV
LOCATION:	Moxee, Wa.
WASTE TYPE:	Tire Ash Soil

SUMMARY OF CHARGES

TOTAL TONS	2777.74	TOTAL CONTAINERS	87
BILLED TONS (30 Ton Min	2786.24		
DISPOSAL		$10.00/TON	$27,777.40
TRANSPORTATION		$24.00/TON	$66,869.76
ODEQ FEE		$.30/TON	$833.32
TOTAL AMOUNT DUE			$95,480.48

SEND REMITTANCE TO:

Waste Management
Columbia Ridge Landfill
P.O. Box 78251
Phoenix, AZ. 85062-8251

AMOUNT DUE: $95,480.48
Payment due upon receipt

Please reference your account number and invoice number on your payment. Thankyou.

WASTE MANAGEMENT

COLUMBIA RIDGE LANDFILL & RECYCLING CENTER
18177 Cedar Springs Lane
Arlington, OR 97812
(541) 454-2030
(541) 454-3312 Fax

CUSTOMER INFORMATION:
Bay Zinc Company
PO Box 167
Moxee, Wa. 98936
Attn: Accts Payable

ACCOUNT #	0000685
INVOICE #:	7520
DATE:	8/16/2004
PROFILE #	24031CV
LOCATION:	Moxee, Wa.
WASTE TYPE:	Tire Ash Soil

SUMMARY OF CHARGES

TOTAL TONS	2638.76	TOTAL CONTAINERS	87
BILLED TONS (30 Ton Min)	2697.64		
DISPOSAL		$10.00/TON	$26,387.61
TRANSPORTATION - 30 Ton Min.		$24.00/TON	$64,743.36
ODEQ FEE		$.30/TON	$791.63
TOTAL AMOUNT DUE			$91,922.60

SEND REMITTANCE TO:

Waste Management
Columbia Ridge Landfill
P.O. Box 78251
Phoenix, AZ. 85062-8251

AMOUNT DUE: $91,922.60
Payment due upon receipt

Please reference your account number and invoice number on your payment. Thankyou.

OWS TK#	CUST NAME	CUST TK#	CONTNR#	TIP DT	PROFILE#	NET WT LBS	NET WT TONS	billed tons
563764	PRBAYZINC		2A	040802	24031CV	65,000	32.500	32.500
563767	PRBAYZINC		1A	040802	24031CV	64,720	32.360	32.360
563773	PRBAYZINC		450	040802	24031CV	68,620	34.310	34.310
563774	PRBAYZINC		404	040802	24031CV	53,520	26.760	30.000
563775	PRBAYZINC		304	040802	24031CV	63,400	31.700	31.700
563779	PRBAYZINC		2A	040802	24031CV	49,720	24.860	30.000
563784	PRBAYZINC		409	040802	24031CV	57,560	28.780	30.000
563790	PRBAYZINC		2A	040803	24031CV	59,280	29.640	30.000
563791	PRBAYZINC		1A	040803	24031CV	58,100	29.050	30.000
563792	PRBAYZINC		2A	040803	24031CV	57,940	28.970	30.000
563798	PRBAYZINC		404	040803	24031CV	49,380	24.690	30.000
563800	PRBAYZINC		304	040803	24031CV	59,640	29.820	30.000
563801	PRBAYZINC		450	040803	24031CV	60,160	30.080	30.080
563802	PRBAYZINC		407	040803	24031CV	57,280	28.640	30.000
563822	PRBAYZINC		3	040803	24031CV	56,880	28.440	30.000
563838	PRBAYZINC		2	040803	24031CV	58,080	29.040	30.000
563839	PRBAYZINC		2	040803	24031CV	57,640	28.820	30.000
563840	PRBAYZINC		450	040803	24031CV	60,040	30.020	30.020
563841	PRBAYZINC		304	040803	24031CV	60,000	30.000	30.000
563842	PRBAYZINC		404	040803	24031CV	48,920	24.460	30.000
563843	PRBAYZINC		409	040803	24031CV	56,460	28.230	30.000
563846	PRBAYZINC		1A	040803	24031CV	55,040	27.520	30.000
563848	PRBAYZINC		2A	040804	24031CV	56,740	28.370	30.000
563850	PRBAYZINC		2	040804	24031CV	59,680	29.840	30.000
563851	PRBAYZINC		1	040804	24031CV	59,380	29.690	30.000
563855	PRBAYZINC		3	040804	24031CV	57,800	28.900	30.000
563857	PRBAYZINC		404	040804	24031CV	50,600	25.300	30.000
563858	PRBAYZINC		450	040804	24031CV	63,700	31.850	31.850
563859	PRBAYZINC		304	040804	24031CV	59,300	29.650	30.000
563860	PRBAYZINC		409	040804	24031CV	57,520	28.760	30.000
563882	PRBAYZINC		450	040804	24031CV	62,540	31.270	31.270
563883	PRBAYZINC		2A	040804	24031CV	62,140	31.070	31.070
563887	PRBAYZINC		2	040804	24031CV	62,500	31.250	31.250
563893	PRBAYZINC		304	040804	24031CV	60,760	30.380	30.388
563894	PRBAYZINC		409	040804	24031CV	59,240	29.620	30.000
563895	PRBAYZINC		404	040804	24031CV	51,940	25.970	30.000
563896	PRBAYZINC		1	040804	24031CV	60,160	30.080	30.080
563897	PRBAYZINC		3	040804	24031CV	60,440	30.220	30.220
563901	PRBAYZINC		2	040805	24031CV	62,580	31.290	31.290
563902	PRBAYZINC		2	040805	24031CV	61,820	30.910	30.910
563905	PRBAYZINC		409	040805	24031CV	58,960	29.480	30.000
563907	PRBAYZINC		404	040805	24031CV	56,820	28.410	30.000
563911	PRBAYZINC		3	040805	24031CV	62,060	31.030	31.030
563912	PRBAYZINC		450	040805	24031CV	70,460	35.230	35.230
563914	PRBAYZINC		403	040805	24031CV	63,340	31.670	31.670
563927	PRBAYZINC		1	040805	24031CV	56,860	28.430	30.000
563939	PRBAYZINC		2	040805	24031CV	62,360	31.180	31.180
563940	PRBAYZINC		2	040805	24031CV	61,860	30.930	30.930
563946	PRBAYZINC		409	040805	24031CV	60,520	30.260	30.260
563947	PRBAYZINC		450	040805	24031CV	63,000	31.500	31.500
563948	PRBAYZINC		404	040805	24031CV	52,900	26.450	30.000
563949	PRBAYZINC		403	040805	24031CV	62,560	31.280	31.280

OWS TK#	CUST NAME	CUST TK#	CONTNR#	TIP DT	PROFILE#	NET WT LBS	NET WT TONS	billed tons
563950	PRBAYZINC		3	040805	24031CV	65,080	32.540	32.540
563955	PRBAYZINC		2	040806	24031CV	64,820	32.410	32.410
563956	PRBAYZINC		2	040806	24031CV	63,680	31.840	31.840
563957	PRBAYZINC		3	040806	24031CV	60,280	30.140	30.140
563958	PRBAYZINC		1	040806	24031CV	62,880	31.440	31.440
563960	PRBAYZINC		404	040806	24031CV	55,600	27.800	30.000
563962	PRBAYZINC		409	040806	24031CV	60,940	30.470	30.470
563963	PRBAYZINC		450	040806	24031CV	67,160	33.580	33.580
563964	PRBAYZINC		403	040806	24031CV	63,800	31.900	31.900
563987	PRBAYZINC		3	040806	24031CV	59,480	29.740	30.000
563989	PRBAYZINC		1	040806	24031CV	60,760	30.380	30.380
564004	PRBAYZINC		1	040809	24031CV	60,200	30.100	30.100
564006	PRBAYZINC		2	040809	24031CV	60,220	30.110	30.110
564009	PRBAYZINC		3	040809	24031CV	60,200	30.100	30.100
564019	PRBAYZINC		2	040809	24031CV	67,640	33.820	33.820
564023	PRBAYZINC		407	040809	24031CV	61,440	30.720	30.720
564024	PRBAYZINC		404	040809	24031CV	54,540	27.270	30.000
564035	PRBAYZINC		2	040810	24031CV	64,380	32.190	32.190
564036	PRBAYZINC		1	040810	24031CV	59,760	29.880	30.000
564037	PRBAYZINC		2	040810	24031CV	64,400	32.200	32.200
564040	PRBAYZINC		3	040810	24031CV	62,560	31.280	31.280
564043	PRBAYZINC		404	040810	24031CV	66,260	33.130	33.130
564044	PRBAYZINC		409	040810	24031CV	61,560	30.780	30.780
564045	PRBAYZINC		450	040810	24031CV	63,780	31.890	31.890
564046	PRBAYZINC		407	040810	24031CV	59,680	29.840	30.000
564069	PRBAYZINC		2	040810	24031CV	66,260	33.130	33.130
564072	PRBAYZINC		450	040810	24031CV	62,740	31.370	31.370
564076	PRBAYZINC		2A	040810	24031CV	68,300	34.150	34.150
564081	PRBAYZINC		409	040810	24031CV	60,940	30.470	30.470
564084	PRBAYZINC		3	040810	24031CV	63,060	31.530	31.530
564085	PRBAYZINC		404	040810	24031CV	64,920	32.460	32.460
564086	PRBAYZINC		407	040810	24031CV	71,840	35.920	35.920
564089	PRBAYZINC		2	040811	24031CV	65,900	32.950	32.950
564102	PRBAYZINC		1	040811	24031CV	62,800	31.400	31.400
564122	PRBAYZINC		2	040811	24031CV	61,740	30.870	30.870
Count: 87								
Total:						5,277,520	2,638.760	2,697.640

Appendix B

Laboratory Reports

Borrow Area

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Certificate of Analysis

Client: Bay Zinc
301 W Charron Road
Moxee, WA 98936

Attn: Roy Funkhouser (Linebach-Funkhouser Inc.)

Date Received: 10/30/02
Date of Report: 11/4/02

Sample Identification:

Lab ID	Sample Description	Date and Time Received
100985-(001-006)	Misc. Soils; Cd, Pb, and Zn	10/30/2002 1:44 PM

Comments:

Sample results reported on wet-weight basis (percent moisture values approximately 1% of total mass based on previous samples submitted).

William R. Rice
Laboratory Director

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Bay Zinc
301 W Charron Road
Moxee, WA 98936

Project: Soil, Metals
Date Reported: 11/4/2002
Date Received: 10/30/2002
Date Completed: 11/1/2002

Lab Sample ID: 100985-(001-006)

Lab Sample ID	Sample ID/Desc	Analyte	Method	% Moisture	Result*	Dup Result*	RPD	Units	MDL
100985-001	Site #1	Cadmium	EPA 200.9	NC	0.31			mg/Kg	0.0005
		Lead	EPA 200.9	NC	17.2			mg/Kg	0.0003
		Zinc	EPA 200.7	NC	119			mg/Kg	0.007
100985-002	Site #2	Cadmium	EPA 200.9	NC	0.2			mg/Kg	0.0005
		Lead	EPA 200.9	NC	12.2			mg/Kg	0.0003
		Zinc	EPA 200.7	NC	88.6			mg/Kg	0.007
100985-003	Site #3	Cadmium	EPA 200.9	NC	0.3	0.33	0.21	mg/Kg	0.0005
		Lead	EPA 200.9	NC	21.9	21.6	1.29	mg/Kg	0.0003
		Zinc	EPA 200.7	NC	111	111	0.08	mg/Kg	0.007
100985-004	Site #4	Cadmium	EPA 200.9	NC	0.17			mg/Kg	0.0005
		Lead	EPA 200.9	NC	8.4			mg/Kg	0.0003
		Zinc	EPA 200.7	NC	58.6			mg/Kg	0.007
100985-005	Site #5	Cadmium	EPA 200.9	NC	0.22			mg/Kg	0.0005
		Lead	EPA 200.9	NC	12.4			mg/Kg	0.0003
		Zinc	EPA 200.7	NC	93.6			mg/Kg	0.007
100985-006	Site #6	Cadmium	EPA 200.9	NC	0.44			mg/Kg	0.0005
		Lead	EPA 200.9	NC	31.6			mg/Kg	0.0003
		Zinc	EPA 200.7	NC	200			mg/Kg	0.007

Notes:

* Results reported for samples as received
NC; Not Calculated

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Bay Zinc
301 W Charron Road
Moxee, WA 98936

Project: Soil, Metals
Date Reported: 11/4/2002
Date Received: 10/30/2002
Date Completed: 11/1/2002

Lab Sample ID: 100976-(001-006)

Lab Sample ID	Analyte	Method	True Value	Result	% Rec	Units	MDL
Matrix Spike	Cadmium	EPA 200.9	3.0	3.18	106	mg/Kg	0.0005
IPC Stnd	Cadmium	EPA 200.9	0.008	0.0084	105	mg/Kg	0.0005
	Lead	EPA 200.9	0.05	0.052	103	mg/Kg	0.0003
	Zinc	EPA 200.7	2.0	1.96	97.9	mg/Kg	0.007
QCS Stnd	Cadmium	EPA 200.9	0.003	0.0029	98.2	mg/Kg	0.0005
	Lead	EPA 200.9	0.03	0.032	106	mg/Kg	0.0003
	Zinc	EPA 200.7	1.5	1.45	96.6	mg/Kg	0.007

Approved by: _____
William R. Rice, Lab Director

SWMU-1

Alliance Analytical Laboratories

Analytical and Consulting Services

Certificate of Analysis

Client: Linebach Funkhouser, Inc.
4059 Shelbyville Road
Louisville, KY 40207

Attn: Roy Funkhouser

Date Received: 12/18/02
Date of Report: 1/4/03

Sample Identification:

Lab ID	Sample Description	Date and Time Received
101161-(001-008)	Misc. Soils; Cd, Pb and Zn	12/18/2002 4:00 PM
101161-(009-010)	Misc. Rinsate; Cd, Pb and Zn	12/18/2002 4:00 PM

Comments:

Soil sample results reported on a dry-weight basis.

William R. Rice
Laboratory Director

Alliance Analytical Laboratories LLC

Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, S/W
Date Received: 12/18/2002
Date Completed: 12/23/2002
Date Reported: 1/4/2003

Lab Sample ID: 101161-(001-010)

Lab Sample ID	Sample ID/Desc	Analyte	Method	% Moisture	Result	Dup Result	RPD	Units	MDL
Method Blank		Cadmium	EPA 200.7		ND			mg/L	0.006
		Lead	EPA 200.7		ND			mg/L	0.2
		Zinc	EPA 200.7		0.019			mg/L	0.007
101161-001	SWMU 2-6	Cadmium	EPA 200.7	17.2	3.85			mg/Kg	0.006
		Lead	EPA 200.7	17.2	ND			mg/Kg	0.2
		Zinc	EPA 200.7	17.2	8857			mg/Kg	0.007
101161-002	SWMU 2-7	Cadmium	EPA 200.7	18.1	9.81			mg/Kg	0.006
		Lead	EPA 200.7	18.1	145			mg/Kg	0.2
		Zinc	EPA 200.7	18.1	15031			mg/Kg	0.007
101161-003	SWMU 2-8	Cadmium	EPA 200.7	11.7	11.6			mg/Kg	0.006
		Lead	EPA 200.7	11.7	228			mg/Kg	0.2
		Zinc	EPA 200.7	11.7	8135			mg/Kg	0.007
101161-004	SWMU 2-9	Cadmium	EPA 200.7	12.3	16.4			mg/Kg	0.006
		Lead	EPA 200.7	12.3	418			mg/Kg	0.2
		Zinc	EPA 200.7	12.3	7513			mg/Kg	0.007
101161-005	SWMU 2-10	Cadmium	EPA 200.7	17.4	22.8			mg/Kg	0.006
		Lead	EPA 200.7	17.4	59.6			mg/Kg	0.2
		Zinc	EPA 200.7	17.4	6288			mg/Kg	0.007
101161-006	SWMU 2-11	Cadmium	EPA 200.7	16.1	12.8			mg/Kg	0.006
		Lead	EPA 200.7	16.1	184			mg/Kg	0.2
		Zinc	EPA 200.7	16.1	10352			mg/Kg	0.007
101161-007	SWMU 2-12	Cadmium	EPA 200.7	12.3	ND	ND	NA	mg/Kg	0.006
		Lead	EPA 200.7	12.3	118	115	2.2	mg/Kg	0.2
		Zinc	EPA 200.7	12.3	1555	1680	7.7	mg/Kg	0.007
101161-008	SWMU 2-2	Cadmium	EPA 200.7	10.3	13.3			mg/Kg	0.006
		Lead	EPA 200.7	10.3	204			mg/Kg	0.2
		Zinc	EPA 200.7	10.3	9808			mg/Kg	0.007

Alliance Analytical Laboratories LLC

Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, S/W
Date Received: 12/18/2002
Date Completed: 12/23/2002
Date Reported: 1/4/2003

Lab Sample ID: 101161-(001-010)

Lab Sample ID	Sample ID/Desc	Analyte	Method	% Moisture	Result	Dup Result	RPD	Units	MDL
101161-009	Rinsate 1	Cadmium	EPA 200.7		ND			mg/L	0.006
		Lead	EPA 200.7		ND			mg/L	0.2
		Zinc	EPA 200.7		0.018			mg/L	0.007
101161-010	Rinsate 2	Cadmium	EPA 200.7		ND			mg/L	0.006
		Lead	EPA 200.7		ND			mg/L	0.2
		Zinc	EPA 200.7		ND			mg/L	0.007

Alliance Analytical Laboratories LLC

Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, S/W
Date Received: 12/18/2002
Date Completed: 12/23/2002
Date Reported: 1/4/2003

Quality Control Summary

Lab Sample ID	Analyte	Method	True Value	Result	% Rec	Units	MDL
101174-001 MS	Cadmium	EPA 200.7	2.0	1.83	91.6	mg/L	0.006
	Lead	EPA 200.7	2.0	1.93	96.1	mg/L	0.2
	Zinc	EPA 200.7	2.0	2.00	98.3	mg/L	0.007
IPC Stnd	Cadmium	EPA 200.7	2.0	1.90	95.0	mg/L	0.006
	Lead	EPA 200.7	2.0	2.01	100.5	mg/L	0.2
	Zinc	EPA 200.7	2.0	1.99	99.7	mg/L	0.007
QCS Stnd	Cadmium	EPA 200.7	1.5	1.39	92.5	mg/L	0.006
	Lead	EPA 200.7	1.5	1.48	98.9	mg/L	0.2
	Zinc	EPA 200.7	1.5	1.47	98.0	mg/L	0.007

Alliance Analytical Laboratories LLC

Chain of Custody

Client name: Lineback Funkhouser INC Client phone: 502-895-5009

Client address: 4059 Shelbyville Rd

Louisville, KY 40207

Billing name: (Same) Billing phone:

Billing address:

P.O. #: 100-02

Mail, Call, Fax results to:

Analysis required

Sample identification	Date	Time	Matrix/type	# containers	Pb Totals	Zn Totals	Cd Totals	Preservative used	Remarks
SWMU 2-6	12-17-02	1535	Soil	1	1	1	1		
SWMU 2-7	12-17-02	1540							
SWMU 2-8	12-17-02	1545							
SWMU 2-9	12-17-02	1550							
SWMU 2-10	12-18-02	1435							
SWMU 2-11	12-18-02	1440							
SWMU 2-12	12-18-02	1445							

Sampled Date: 12-17-02 / 12-18-02 Time: Sampled by: Barry Poley

Received Date: Time: Received by: Sample condition upon receipt:

Relinquished by: Date: 12-18-02 Time: 4:00pm Received by: Carrier & shipping #:

Relinquished by: Date: 12-18-02 Time: 3:45 Received by: Chain of custody seal for: Container: Cooler:

Signature by the client/client agent assumes responsibility for payment for indicated tests according to the latest price list/quote.

401 1st S Street Yakima, WA 98901 509-469-2400 toll free 866-469-2400 Fax 509-469-9476

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Certificate of Analysis

Client: Linebach Funkhouser, Inc.
4059 Shelbyville Road
Louisville, KY 40207

Attn: Roy Funkhouser

Date Received: 12/12/02
Date of Report: 12/13/02

Sample Identification:

Lab ID	Sample Description	Date and Time Received
101096-(001-008)	Misc. Soils; Cd, Pb, and Zn	12/12/2002 8:30 PM
101096-009	Equip Blank; Cd, Pb, and Zn	12/12/2002 8:30 PM

Comments:

Soil sample results reported on a dry-weight basis.

William R. Rice
Laboratory Director

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, S/W
Date Received: 12/12/2002
Date Completed: 12/13/2002
Date Reported: 12/13/2002

Lab Sample ID: 101096-(001-009)

Lab Sample ID	Sample ID/Desc	Analyte	Method	% Moisture	Result	Dup Result	RPD	Units	MDL
Method Blank 1		Cadmium	EPA 200.7		ND			mg/L	0.006
		Lead	EPA 200.7		ND			mg/L	0.2
		Zinc	EPA 200.7		0.084			mg/L	0.007
Method Blank 2		Cadmium	EPA 200.7		ND			mg/L	0.006
		Lead	EPA 200.7		ND			mg/L	0.2
		Zinc	EPA 200.7		0.030			mg/L	0.007
101096-001	SWMU-1-6	Cadmium	EPA 200.7	4.3	5.26			mg/Kg	0.006
		Lead	EPA 200.7	4.3	815			mg/Kg	0.2
		Zinc	EPA 200.7	4.3	8619			mg/Kg	0.007
101096-002	SWMU-1-7	Cadmium	EPA 200.7	4.7	4.55			mg/Kg	0.006
		Lead	EPA 200.7	4.7	1202			mg/Kg	0.2
		Zinc	EPA 200.7	4.7	14115			mg/Kg	0.007
101096-003	SWMU-1-8	Cadmium	EPA 200.7	9.5	7.26	7.15	1.5	mg/Kg	0.006
		Lead	EPA 200.7	9.5	1524	1460	4.3	mg/Kg	0.2
		Zinc	EPA 200.7	9.5	13883	13386	3.6	mg/Kg	0.007
101096-004	SWMU-1-9	Cadmium	EPA 200.7	8.3	8.07			mg/Kg	0.006
		Lead	EPA 200.7	8.3	1479			mg/Kg	0.2
		Zinc	EPA 200.7	8.3	14866			mg/Kg	0.007
101096-005	SWMU-1-10	Cadmium	EPA 200.7	9.4	4.48			mg/Kg	0.006
		Lead	EPA 200.7	9.4	2089			mg/Kg	0.2
		Zinc	EPA 200.7	9.4	7560			mg/Kg	0.007
101096-006	SWMU-1-11	Cadmium	EPA 200.7	7.5	4.26			mg/Kg	0.006
		Lead	EPA 200.7	7.5	2006			mg/Kg	0.2
		Zinc	EPA 200.7	7.5	7023			mg/Kg	0.007
101096-007	SWMU-1-12	Cadmium	EPA 200.7	12.6	ND			mg/Kg	0.006
		Lead	EPA 200.7	12.6	1607			mg/Kg	0.2
		Zinc	EPA 200.7	12.6	4729			mg/Kg	0.007
101096-008	SWMU-1-13	Cadmium	EPA 200.7	12.9	3.44			mg/Kg	0.006
		Lead	EPA 200.7	12.9	2425			mg/Kg	0.2
		Zinc	EPA 200.7	12.9	13298			mg/Kg	0.007

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, S/W
Date Received: 12/12/2002
Date Completed: 12/13/2002
Date Reported: 12/13/2002

Lab Sample ID: 101096-(001-009)

Lab Sample ID	Sample ID/Desc	Analyte	Method	% Moisture	Result	Dup Result	RPD	Units	MDL
101096-009	SWMU-1-EB	Cadmium	EPA 200.7		ND			mg/L	0.006
		Lead	EPA 200.7		ND			mg/L	0.2
		Zinc	EPA 200.7		0.090			mg/L	0.007

Alliance Analytical Laboratories LLC

Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, S/W
Date Received: 12/12/2002
Date Completed: 12/13/2002
Date Reported: 12/13/2002

Quality Control Summary

Lab Sample ID	Analyte	Method	True Value	Result	% Rec	Units	MDL
101099-016 MS	Cadmium	EPA 200.7	2.0	2.08	84.3	mg/L	0.006
	Lead	EPA 200.7	2.0	2.15	86.2	mg/L	0.2
	Zinc	EPA 200.7	18.0	66.0	72.8	mg/L	0.007
101099-019 MS	Cadmium	EPA 200.7	2.0	1.85	83.5	mg/L	0.006
	Lead	EPA 200.7	2.0	1.93	86.1	mg/L	0.2
	Zinc	EPA 200.7	20.0	41.9	82.5	mg/L	0.007
IPC Stnd	Cadmium	EPA 200.7	2.0	1.93	96.3	mg/L	0.006
	Lead	EPA 200.7	2.0	1.98	99.0	mg/L	0.2
	Zinc	EPA 200.7	2.0	2.01	100.6	mg/L	0.007
QCS Stnd	Cadmium	EPA 200.7	1.5	1.42	94.7	mg/L	0.006
	Lead	EPA 200.7	1.5	1.46	97.6	mg/L	0.2
	Zinc	EPA 200.7	1.5	1.48	98.7	mg/L	0.007

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Certificate of Analysis

Client: Linebach Funkhouser, Inc.
4059 Shelbyville Road
Louisville, KY 40207

Attn: Roy Funkhouser

Date Received: 11/5/02
Date of Report: 11/7/02

Sample Identification:

Lab ID	Sample Description	Date and Time Received
101000-(001-005)	Misc. Soils; Cd, Pb, and Zn	11/5/2002 3:22 PM
101000-006	Equip. Blank; Cd, Pb, and Zn	11/5/2002 3:22 PM

Comments:

Soil sample results reported on a wet-weight basis (percent moisture values approximately 1% of total mass based on previous samples submitted).

William R. Rice
Laboratory Director

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, S/W
Date Received: 11/5/2002
Date Completed: 11/6/2002
Date Reported: 11/7/2002

Lab Sample ID: 101000-(001-006)

Lab Sample ID	Sample ID/Desc	Analyte	Method	% Moisture	Result	Dup Result	RPD	Units	MDL
Method Blank		Cadmium	EPA 200.7		ND			mg/L	0.006
		Lead	EPA 200.7		ND			mg/L	0.2
		Zinc	EPA 200.7		0.025			mg/L	0.007
101000-001	SWMU-1-2	Cadmium	EPA 200.7	NC	0.64			mg/Kg	0.006
		Lead	EPA 200.7	NC	389			mg/Kg	0.2
		Zinc	EPA 200.7	NC	5039			mg/Kg	0.007
101000-002	SWMU-1-3	Cadmium	EPA 200.7	NC	ND			mg/Kg	0.006
		Lead	EPA 200.7	NC	370.0			mg/Kg	0.2
		Zinc	EPA 200.7	NC	3991			mg/Kg	0.007
101000-003	SWMU-1-4	Cadmium	EPA 200.7	NC	1.61			mg/Kg	0.006
		Lead	EPA 200.7	NC	81			mg/Kg	0.2
		Zinc	EPA 200.7	NC	2184			mg/Kg	0.007
101000-004	SWMU-1-5	Cadmium	EPA 200.7	NC	ND			mg/Kg	0.006
		Lead	EPA 200.7	NC	14.5			mg/Kg	0.2
		Zinc	EPA 200.7	NC	149			mg/Kg	0.007
101000-005	SWMU-1-QA	Cadmium	EPA 200.7	NC	2.50			mg/Kg	0.006
		Lead	EPA 200.7	NC	457			mg/Kg	0.2
		Zinc	EPA 200.7	NC	5526			mg/Kg	0.007
101000-006	Equip Blank	Cadmium	EPA 200.7	NC	ND			mg/Kg	0.006
		Lead	EPA 200.7	NC	ND			mg/Kg	0.2
		Zinc	EPA 200.7	NC	ND			mg/Kg	0.007

Notes:
NC: Not Calculated

Alliance Analytical Laboratories LLC

Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, S/W
Date Received: 11/5/2002
Date Completed: 11/6/2002
Date Reported: 11/7/2002

Lab Sample ID: 101000-(001-006)

Lab Sample ID	Analyte	Method	True Value	Result	% Rec	Units	MDL
Matrix Spike	Cadmium	EPA 200.7	0.4	0.320	80	mg/L	0.006
	Lead	EPA 200.7	2.0	1.62	81	mg/L	0.2
IPC Stnd	Cadmium	EPA 200.7	2.0	1.90	95	mg/L	0.006
	Lead	EPA 200.7	2.0	2.05	102	mg/L	0.2
	Zinc	EPA 200.7	2.0	2.03	102	mg/L	0.007
QCS Stnd	Cadmium	EPA 200.7	1.5	1.41	94.2	mg/L	0.006
	Lead	EPA 200.7	1.5	1.53	102	mg/L	0.2
	Zinc	EPA 200.7	1.5	1.48	98.6	mg/L	0.007

Alliance Analytical Laboratories LLC

Chain of Custody

Client name: LINEBACH FUNKHOUSER, INC. Client phone: 502-895-5009

Client address: 4059 Shelbyville Road
Louisville KY 40207

Billing name: LINEBACH FUNKHOUSER INC Billing phone: 502-895-5009

Billing address: 4059 Shelbyville Rd.
Louisville KY 40207

P.O. #: 100-02

Mail Call, (Fax) results to: 502-895-4005 FAX
ROY FUNKHOUSER 502-895-5009 PHONE

Sample Identification	Date	Time	Matrix/type	# containers	TOTAL LEAD	TOTAL CADMIUM	TOTAL ZINC	Preservative used	Remarks
SWMU-1-2	11/05/02	1040	Soil	1	X	X	X		
SWMU-1-3	11/05/02	1110	Soil	1	X	X	X		
SWMU-1-4	11/05/02	1130	Soil	1	X	X	X		
SWMU-1-5	11/05/02	1150	Soil	1	X	X	X		
SWMU-1-QA	11/05/02	[redacted]	Soil	1	X	X	X		
EQUIP BLANK	11/05/02	1640	WATER	1	X	X	X		

Analysis required

Sampled Date: NOVEMBER 11, 2002	Time:	Sampled by: BRADLEY L. COYLE	Sample condition upon receipt:
Received Date:	Time:	Received by:	Carrier & shipping #:
Relinquished by: Date: 11/05/02	Time: 1536	Received by: Jeremy Penwell	Chain of custody seal for: Container: Cooler:
Relinquished by: Date:	Time	Received by:	

Signature by the client/client agent assumes responsibility for payment for indicated tests according to the latest price list/quote.

401 E[illegible] S Street Yakima, WA 98901 509-469-2400 Toll free 866-469-2400 Fax 509-469-9476

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Certificate of Analysis

Client: Bay Zinc
301 W Charron Road
Moxee, WA 98936

Attn: Roy Funkhouser (Linebach-Funkhouser Inc.)

Date Received: 10/24/02
Date of Report: 11/4/02

Sample Identification:

Lab ID	Sample Description	Date and Time Received
100976-(001-006)	Misc. Soils; Cd, Pb, and Zn	10/24/2002 5:00 PM

Comments:

Sample results reported on dry-weight basis.

William R. Rice
Laboratory Director

401 East S Street Yakima, WA 98901 509-469-2400 Fax 509-469-9476

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Bay Zinc
301 W Charron Road
Moxee, WA 98936

Project: Soil, Metals
Date Reported: 11/4/2002
Date Received: 10/24/2002
Date Completed: 11/1/2002

Lab Sample ID: 100976-(001-006)

Lab Sample ID	Sample ID/Desc	Analyte	Method	% Moisture	Result	Dup Result	RPD	Units	MDL
100976-001	RR Track No 2'	Cadmium	EPA 200.9	1.16%	1.7			mg/Kg	0.0005
		Lead	EPA 200.9		13.2			mg/Kg	0.0003
		Zinc	EPA 200.7		2034			mg/Kg	0.007
100976-002	RR Track No 4'	Cadmium	EPA 200.9	1.02%	1.0			mg/Kg	0.0005
		Lead	EPA 200.9		37.0			mg/Kg	0.0003
		Zinc	EPA 200.7		1493			mg/Kg	0.007
100976-003	RR Track Mid 2'	Cadmium	EPA 200.9	0.83%	16.6	16.3	1.5	mg/Kg	0.0005
		Lead	EPA 200.9		82.2	52.8	43.6	mg/Kg	0.0003
		Zinc	EPA 200.7		9882	9706	1.8	mg/Kg	0.007
100976-004	RR Track Mid 4'	Cadmium	EPA 200.9	1.08%	0.4			mg/Kg	0.0005
		Lead	EPA 200.9		32.7			mg/Kg	0.0003
		Zinc	EPA 200.7		217			mg/Kg	0.007
100976-005	RR Track So 2'	Cadmium	EPA 200.9	0.94%	8.8			mg/Kg	0.0005
		Lead	EPA 200.9		464			mg/Kg	0.0003
		Zinc	EPA 200.7		3003			mg/Kg	0.007
100976-006	RR Track So 3'	Cadmium	EPA 200.9	0.99%	0.6			mg/Kg	0.0005
		Lead	EPA 200.9		33.3			mg/Kg	0.0003
		Zinc	EPA 200.7		235			mg/Kg	0.007

Alliance Analytical Laboratories LLC

Analytical and Consulting Services

Bay Zinc
301 W Charron Road
Moxee, WA 98936

Project: Soil, Metals
Date Reported: 11/4/2002
Date Received: 10/24/2002
Date Completed: 11/1/2002

Lab Sample ID: 100976-(001-006)

Lab Sample ID	Analyte	Method	True Value	Result	% Rec	Units	MDL
Matrix Spike	Cadmium	EPA 200.9	3.0	3.09	103	mg/Kg	0.0005
IPC Stnd	Cadmium	EPA 200.9	0.008	0.0084	105	mg/Kg	0.0005
	Lead	EPA 200.9	0.05	0.052	103	mg/Kg	0.0003
	Zinc	EPA 200.7	2.0	1.96	98.1	mg/Kg	0.007
QCS Stnd	Cadmium	EPA 200.9	0.003	0.0029	98.2	mg/Kg	0.0005
	Lead	EPA 200.9	0.03	0.032	106	mg/Kg	0.0003
	Zinc	EPA 200.7	1.5	1.45	96.6	mg/Kg	0.007

Approved by: _____
William R. Rice, Lab Director

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Certificate of Analysis

Client: Linebach Funkhouser, Inc.
4059 Shelbyville Road
Louisville, KY 40207

Attn: Roy Funkhouser

Date Received: 11/7/02
Date of Report: 11/8/02

Sample Identification:

Lab ID	Sample Description	Date and Time Received
101010-(001-006)	Misc. Soils; Cd, Pb, and Zn	11/7/2002 3:49 PM
101010-007	Equip. Blank; Cd, Pb, and Zn	11/7/2002 3:49 PM

Comments:

Soil sample results reported on a dry-weight basis.

William R. Rice
Laboratory Director

Alliance Analytical Laboratories LLC

Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, S/W
Date Received: 11/7/2002
Date Completed: 11/8/2002
Date Reported: 11/8/2002

Lab Sample ID: 101010-(001-007)

Lab Sample ID	Sample ID/Desc	Analyte	Method	% Moisture	Result	Dup Result	RPD	Units	MDL
Method Blank		Cadmium	EPA 200.7		ND			mg/L	0.006
		Lead	EPA 200.7		ND			mg/L	0.2
		Zinc	EPA 200.7		0.008			mg/L	0.007
101010-001	SWMU-1-2 8'	Cadmium	EPA 200.7	18.6	5.25			mg/Kg	0.006
		Lead	EPA 200.7	18.6	16.3			mg/Kg	0.2
		Zinc	EPA 200.7	18.6	3956			mg/Kg	0.007
101010-002	SWMU-1-3 8'	Cadmium	EPA 200.7	16.5	ND			mg/Kg	0.006
		Lead	EPA 200.7	16.5	9.77			mg/Kg	0.2
		Zinc	EPA 200.7	16.5	1057			mg/Kg	0.007
101010-003	SWMU-1-QA2	Cadmium	EPA 200.7	16.0	ND	ND	NC	mg/Kg	0.006
		Lead	EPA 200.7	16.0	9.44	8.76	7.5	mg/Kg	0.2
		Zinc	EPA 200.7	16.0	1764	1798	1.9	mg/Kg	0.007
101010-004	SWMU-1-2 6'	Cadmium	EPA 200.7	19.5	ND			mg/Kg	0.006
		Lead	EPA 200.7	19.5	11.5			mg/Kg	0.2
		Zinc	EPA 200.7	19.5	293			mg/Kg	0.007
101010-005	SWMU-1-3 6'	Cadmium	EPA 200.7	17.4	ND			mg/Kg	0.006
		Lead	EPA 200.7	17.4	17.8			mg/Kg	0.2
		Zinc	EPA 200.7	17.4	1824			mg/Kg	0.007
101010-006	SWMU-1-QA	Cadmium	EPA 200.7	17.0	ND			mg/Kg	0.006
		Lead	EPA 200.7	17.0	29.6			mg/Kg	0.2
		Zinc	EPA 200.7	17.0	2444			mg/Kg	0.007
101010-007	Equip Blank	Cadmium	EPA 200.7		ND			mg/L	0.006
		Lead	EPA 200.7		ND			mg/L	0.2
		Zinc	EPA 200.7		ND			mg/L	0.007

Alliance Analytical Laboratories LLC

Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, S/W
Date Received: 11/7/2002
Date Completed: 11/8/2002
Date Reported: 11/8/2002

Lab Sample ID: 101010-(001-007)

Lab Sample ID	Analyte	Method	True Value	Result	% Rec	Units	MDL
Matrix Spike	Cadmium	EPA 200.7	1.0	0.829	82.9	mg/L	0.006
	Lead	EPA 200.7	5.0	4.426	88.5	mg/L	0.2
IPC Stnd	Cadmium	EPA 200.7	2.0	1.90	95	mg/L	0.006
	Lead	EPA 200.7	2.0	2.00	100	mg/L	0.2
	Zinc	EPA 200.7	2.0	1.93	97	mg/L	0.007
QCS Stnd	Cadmium	EPA 200.7	1.5	1.46	97.0	mg/L	0.006
	Lead	EPA 200.7	1.5	1.53	102	mg/L	0.2
	Zinc	EPA 200.7	1.5	1.48	98.6	mg/L	0.007

Alliance Analytical Laboratories LLC

Chain of Custody

Client name: LINEBACH FUNKHOUSER
Client phone: 502-895-5009
Client address: 4059 Shelbyville Rd Louisville

Billing name: LINEBACH FUNKHOUSER
Billing phone: 502-895-5009
Billing address: 4059 Shelbyville Rd
Louisville KY 40207

P.O. #: 100-02

Mail, (Call,) (Fax) results to: 502-895-4005 R. FUNKHOUSER

CALL B. COYLE W/ Results 502-931-8642

Sample Identification	Date	Time	Matrix/type	# containers	Lead	Cadmium	Zinc	Preservative used	Remarks
SWMU-1-2 6'	11/07/02	1520	Soil	1	X	X	X		6'
SWMU-1-3 6'	11/07/02	1520	Soil	1	X	X	X		6'
SWMU-1-QA	11/7/02	—	Soil	1	X	X	X		—

Analysis required

RUSH

Sampled Date: Nov. 7, 2002 Time:
Sampled by: Bryan L. Coyle
Sample condition upon receipt:

Received Date: Time:
Received by:
Carrier & shipping #:

Relinquished by: Date: 11-7-02 Time: 4:00 pm
Received by:
Chain of custody seal for: Container: Cooler:

Relinquished by: Date: Time
Received by:

Signature by the client/client agent assumes responsibility for payment for indicated tests according to the latest price list/quote.

401 East S Street Yakima, WA 98901 509-469-2400 Toll free 866-469-2400 Fax 509-469-9476

Alliance Analytical Laboratories LLC

Chain of Custody

Client name: LINEBACH FUNKHOUSER
Client phone: 502-895-5007
Client address: 4059 Shelbyville Rd.
Louisville KY 40207
Billing name: LINEBACH FUNKHOUSER
Billing phone: 502-895-5007
Billing address: 4059 Shelbyville Rd
Louisville KY 40207
P.O. #: 100-02
Mail, Call, Fax results to: 502-895-4005 R FUNKHOUSER
CALL. & Copy w/ Results 502-931-8642

Analysis required

Sample identification	Date	Time	Matrix/type	# containers	LEAD	CADMIUM	ZINC	Preservative used	Remarks
SWMU-1-2 8'	11/7/02	1540	Soil	1	X	X	X		8'
SWMU-1-3 8'	11/07/02	1515	Soil	1	X	X	X		8'
SWMU-1-QA2	11/07/02	—	Soil	1	X	X	X		—

RUSH

Sampled Date: Nov. 7, 2002 Time: —
Received Date: Time:
Relinquished by: Date: 11-7-02 Time: 4:00PM
Relinquished by: Date: Time:

Sampled by: Received by:
Received by: Received by:

Sample condition upon receipt:
Carrier & shipping #:
Chain of custody seal for: Container: Cooler:

Signature by the client/client agent assumes responsibility for payment for indicated tests according to the latest price list/quote.

401 East S Street Yakima, WA 98901 509-469-2400 Toll free 866-469-2400 Fax 509-469-9476

ORIGINAL

CERTIFICATE OF ANALYSIS

CLIENT: Linebach Funkhouser Inc.
4059 Shelbyville Rd.
Louisville KY, 40220
ATTN: Roy Funkhouser

PHONE: (502) 895-5009
FAX: (502) 895-4005

PROJECT NAME: Bay Zinc
PROJECT NUMBER: 100-02
PO NUMBER: 100-02
SUBMITTED: 11/12/02 10:30

REPORT DATE: 12/12/02 08:14 REPORT NUMBER: 2111201

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX
2111201-01	SWMU-1-2	11/07/2002	1600	Soil
2111201-02	SWMU-1-3	11/07/2002	1610	Soil
2111201-03	SWMU-1-4	11/05/2002	1130	Soil
2111201-04	SWMU-1-5	11/05/2002	1150	Soil

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
2111201-01	**SAMPLE ID: SWMU-1-2**						
Subcontracted Analysis							
DIOXINS	EPA 1613A/8290	2,3,7,8-TCDD	ND	pg/g	0.272	SUB	11/28/2002 14:26
		TOTAL TCDD	ND	pg/g	0.272		
		1,2,3,7,8-PeCDD	ND	pg/g	0.200		
		TOTAL PeCDD	ND	pg/g	0.200		
		1,2,3,4,7,8-HxCDD	ND	pg/g	0.189		
		1,2,3,6,7,8-HxCDD	ND	pg/g	0.161		
		1,2,3,7,8,9-HxCDD	ND	pg/g	0.176		
		TOTAL HxCDD	0.394	pg/g	0.161		
		1,2,3,4,6,7,8-HpCDD	3.62	pg/g	0.228		
		TOTAL HpCDD	9.22	pg/g	0.228		
		1,2,3,4,6,7,8,9-OCDD	30.9	pg/g	0.338		
		2,3,7,8-TCDF	ND	pg/g	0.291		
		TOTAL TCDF	1.19	pg/g	0.243		
		1,2,3,7,8-PeCDF	ND	pg/g	0.175		
		2,3,4,7,8-PeCDF	0.500	pg/g	0.170		
		TOTAL PeCDF	1.68	pg/g	0.170		
		1,2,3,4,7,8-HxCDF	0.632	pg/g	0.217		
		1,2,3,6,7,8-HxCDF	ND	pg/g	0.207		
		2,3,4,6,7,8-HxCDF	ND	pg/g	0.230		
		1,2,3,7,8,9-HxCDF	ND	pg/g	0.263		
		TOTAL HxCDF	1.78	pg/g	0.207		
		1,2,3,4,6,7,8-HpCDF	0.988	pg/g	0.196		
		1,2,3,4,7,8,9-HpCDF	ND	pg/g	0.276		
		TOTAL HpCDF	1.44	pg/g	0.196		
		1,2,3,4,6,7,8,9-OCDF	2.09	pg/g	0.386		
2111201-02	**SAMPLE ID: SWMU-1-3**						
Subcontracted Analysis							
DIOXINS	EPA 1613A/8290	2,3,7,8-TCDD	ND	pg/g	0.245	SUB	11/28/2002 14:26
		TOTAL TCDD	ND	pg/g	0.245		
		1,2,3,7,8-PeCDD	ND	pg/g	0.193		
		TOTAL PeCDD	ND	pg/g	0.193		
		1,2,3,4,7,8-HxCDD	ND	pg/g	0.182		
		1,2,3,6,7,8-HxCDD	ND	pg/g	0.155		
		1,2,3,7,8,9-HxCDD	ND	pg/g	0.196		
		TOTAL HxCDD	ND	pg/g	0.155		
		1,2,3,4,6,7,8-HpCDD	0.782	pg/g	0.271		
		TOTAL HpCDD	1.61	pg/g	0.271		

Authorized for Release By:
David T. Back - Quality/Systems Manager

ORIGINAL

CERTIFICATE OF ANALYSIS

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
2111201-02	**SAMPLE ID: SWMU-1-3**						
Subcontracted Analysis							
DIOXINS	EPA 1613A/8290	1,2,3,4,6,7,8,9-OCDD	3.26	pg/g	0.331	SUB	11/28/2002 14:26
		2,3,7,8-TCDF	ND	pg/g	0.201		
		TOTAL TCDF	ND	pg/g	0.201		
		1,2,3,7,8-PeCDF	ND	pg/g	0.187		
		2,3,4,7,8-PeCDF	ND	pg/g	0.182		
		TOTAL PeCDF	ND	pg/g	0.182		
		1,2,3,4,7,8-HxCDF	ND	pg/g	0.150		
		1,2,3,6,7,8-HxCDF	ND	pg/g	0.143		
		2,3,4,6,7,8-HxCDF	ND	pg/g	0.159		
		1,2,3,7,8,9-HxCDF	ND	pg/g	0.320		
		TOTAL HxCDF	ND	pg/g	0.143		
		1,2,3,4,6,7,8-HpCDF	ND	pg/g	0.180		
		1,2,3,4,7,8,9-HpCDF	ND	pg/g	0.254		
		TOTAL HpCDF	ND	pg/g	0.180		
		1,2,3,4,6,7,8,9-OCDF	10.2	pg/g	0.360		
2111201-03	**SAMPLE ID: SWMU-1-4**						
Subcontracted Analysis							
DIOXINS	EPA 1613A/8290	2,3,7,8-TCDD	ND	pg/g	0.272	SUB	11/28/2002 14:26
		TOTAL TCDD	ND	pg/g	0.272		
		1,2,3,7,8-PeCDD	ND	pg/g	0.238		
		TOTAL PeCDD	ND	pg/g	0.238		
		1,2,3,4,7,8-HxCDD	ND	pg/g	0.186		
		1,2,3,6,7,8-HxCDD	ND	pg/g	0.158		
		1,2,3,7,8,9-HxCDD	ND	pg/g	0.172		
		TOTAL HxCDD	ND	pg/g	0.158		
		1,2,3,4,6,7,8-HpCDD	2.90	pg/g	0.236		
		TOTAL HpCDD	5.67	pg/g	0.236		
		1,2,3,4,6,7,8,9-OCDD	7.11	pg/g	0.325		
		2,3,7,8-TCDF	0.697	pg/g	0.199		
		TOTAL TCDF	4.89	pg/g	0.272		
		1,2,3,7,8-PeCDF	ND	pg/g	0.199		
		2,3,4,7,8-PeCDF	1.06	pg/g	0.193		
		TOTAL PeCDF	5.58	pg/g	0.193		
		1,2,3,4,7,8-HxCDF	1.45	pg/g	0.198		
		1,2,3,6,7,8-HxCDF	0.542	pg/g	0.189		
		2,3,4,6,7,8-HxCDF	0.863	pg/g	0.209		
		1,2,3,7,8,9-HxCDF	ND	pg/g	0.240		
		TOTAL HxCDF	5.25	pg/g	0.189		
		1,2,3,4,6,7,8-HpCDF	2.09	pg/g	0.250		
		1,2,3,4,7,8,9-HpCDF	ND	pg/g	0.353		
		TOTAL HpCDF	2.09	pg/g	0.250		
		1,2,3,4,6,7,8,9-OCDF	1.90	pg/g	0.478		
2111201-04	**SAMPLE ID: SWMU-1-5**						
Subcontracted Analysis							
DIOXINS	EPA 1613A/8290	2,3,7,8-TCDD	ND	pg/g	0.224	SUB	11/28/2002 14:26
		TOTAL TCDD	ND	pg/g	0.224		
		1,2,3,7,8-PeCDD	ND	pg/g	0.243		
		TOTAL PeCDD	ND	pg/g	0.243		
		1,2,3,4,7,8-HxCDD	ND	pg/g	0.231		
		1,2,3,6,7,8-HxCDD	ND	pg/g	0.196		

Authorized for Release By:David T. Back - Quality/Systems Manager

ORIGINAL

CERTIFICATE OF ANALYSIS

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
2111201-04	**SAMPLE ID: SWMU-1-5**						
Subcontracted Analysis							
DIOXINS	EPA 1613A/8290	1,2,3,7,8,9-HxCDD	ND	pg/g	0.214	SUB	11/28/2002 14:26
		TOTAL HxCDD	ND	pg/g	0.196		
		1,2,3,4,6,7,8-HpCDD	1.38	pg/g	0.324		
		TOTAL HpCDD	2.74	pg/g	0.324		
		1,2,3,4,6,7,8,9-OCDD	5.50	pg/g	0.451		
		2,3,7,8-TCDF	ND	pg/g	0.238		
		TOTAL TCDF	ND	pg/g	0.238		
		1,2,3,7,8-PeCDF	ND	pg/g	0.163		
		2,3,4,7,8-PeCDF	ND	pg/g	0.158		
		TOTAL PeCDF	ND	pg/g	0.158		
		1,2,3,4,7,8-HxCDF	ND	pg/g	0.182		
		1,2,3,6,7,8-HxCDF	ND	pg/g	0.174		
		2,3,4,6,7,8-HxCDF	ND	pg/g	0.194		
		1,2,3,7,8,9-HxCDF	ND	pg/g	0.221		
		TOTAL HxCDF	ND	pg/g	0.174		
		1,2,3,4,6,7,8-HpCDF	0.400	pg/g	0.212		
		1,2,3,4,7,8,9-HpCDF	ND	pg/g	0.298		
		TOTAL HpCDF	0.400	pg/g	0.174		
		1,2,3,4,6,7,8,9-OCDF	2.10	pg/g	0.212		

Authorized for Release By: David T. Back - Quality/Systems Manager

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD
AND
NON-COMMERCIAL BILL OF LADING

☐ 7133 N. Lombard, Portland, OR 97203 — Ph: (503) 286-9464 Fax: (503) 285-7831
☐ 4901 E. 20th Street, Fife, WA 98424 — Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 4592 E. 2nd Street, Suite A, Benicia, CA 94510 — Ph: (707) 748-7587 Fax: (707) 748-7764
☐ 797 Channel Street, San Pedro, CA 90731 — Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name:	LINKBACH FUNKHOUSER INC.
Attention:	ROY FUNKHOUSER
Address:	4059 Shelbyville Rd
Phone:	502-895-5009
Fax:	502-895-4005
Sampler:	BRADLEY COYLE ☐ Submitted

Project Name:	BAY ZINC
Project Number:	100-02
P.O. Number:	100-02

Testing Priority: ☒ Normal ☐ Rush — Due Date: _____

Notification Method(s): ☐ Telephone ☒ Email ☒ FAX ☒ Mail

Sample ID#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analysis To Be Performed: Dioxin 8290
	SWMU-1-2	Soil	11/7/02	1600	X
	SWMU-1-3	Soil	11/7/02	1610	X
	SWMU-1-4	Soil	11/5/02	1130	X
	SWMU-1-5	Soil	11/5/02	1150	X

Relinquished By:	Date/Time	Received By:	Date/Time
Bryan Coyle	11/11/02 1200		
Relinquished By:	Date/Time	Received By:	Date/Time

FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO# _____

Laboratory Project Number: _____ Cash/check # _____

Due Date: _____ Amount Paid: $ _____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B7/

AOC-1

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Certificate of Analysis

Client: Linebach Funkhouser, Inc.
4059 Shelbyville Road
Louisville, KY 40207

Attn: Roy Funkhouser

Date Received: 12/12/02
Date of Report: 12/13/02

Sample Identification:

Lab ID	Sample Description	Date and Time Received
101101-(001-005)	Misc. Soils; Cd, Pb, and Zn	12/12/2002 4:35 PM
101101-006	Equip Blank; Cd, Pb, and Zn	12/12/2002 4:35 PM

Comments:

Soil sample results reported on a dry-weight basis.

William R Rice

William R. Rice
Laboratory Director

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, S/W
Date Received: 12/12/2002
Date Completed: 12/13/2002
Date Reported: 12/13/2002

Lab Sample ID: 101101-(001-006)

Lab Sample ID	Sample ID/Desc	Analyte	Method	% Moisture	Result	Dup Result	RPD	Units	MDL
Method Blank		Cadmium	EPA 200.7		ND			mg/L	0.006
		Lead	EPA 200.7		ND			mg/L	0.2
		Zinc	EPA 200.7		0.084			mg/L	0.007
101101-001	AOC-1-1 (0.5-1)	Cadmium	EPA 200.7	16.1	26.8			mg/Kg	0.006
		Lead	EPA 200.7	16.1	2034			mg/Kg	0.2
		Zinc	EPA 200.7	16.1	35106			mg/Kg	0.007
101101-002	AOC-1-1 (1-1.5)	Cadmium	EPA 200.7	19.5	27.9			mg/Kg	0.006
		Lead	EPA 200.7	19.5	1408			mg/Kg	0.2
		Zinc	EPA 200.7	19.5	29292			mg/Kg	0.007
101101-003	AOC-1-2 (0.5-1)	Cadmium	EPA 200.7	13.3	ND			mg/Kg	0.006
		Lead	EPA 200.7	13.3	52.9			mg/Kg	0.2
		Zinc	EPA 200.7	13.3	4846			mg/Kg	0.007
101101-004	AOC-1-2 (1-1.5)	Cadmium	EPA 200.7	14.8	ND			mg/Kg	0.006
		Lead	EPA 200.7	14.8	229			mg/Kg	0.2
		Zinc	EPA 200.7	14.8	6976			mg/Kg	0.007
101101-005	SWMU-1-14	Cadmium	EPA 200.7	9.5	13.3	11.8	12.4	mg/Kg	0.006
		Lead	EPA 200.7	9.5	1770	1749	1.2	mg/Kg	0.2
		Zinc	EPA 200.7	9.5	14262	14602	2.4	mg/Kg	0.007
101101-006	SWMU-1-14	Cadmium	EPA 200.7		ND			mg/L	0.006
	Equip Blank	Lead	EPA 200.7		ND			mg/L	0.2
		Zinc	EPA 200.7		ND			mg/L	0.007

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, S/W
Date Received: 12/12/2002
Date Completed: 12/13/2002
Date Reported: 12/13/2002

Quality Control Summary

Lab Sample ID	Analyte	Method	True Value	Result	% Rec	Units	MDL
101101-003 MS	Cadmium	EPA 200.7	2.0	1.58	79.1	mg/L	0.006
	Lead	EPA 200.7	2.0	2.44	84.1	mg/L	0.2
	Zinc	EPA 200.7	20.0	85.2	78.3	mg/L	0.007
IPC Stnd	Cadmium	EPA 200.7	2.0	1.93	96.3	mg/L	0.006
	Lead	EPA 200.7	2.0	1.98	99.0	mg/L	0.2
	Zinc	EPA 200.7	2.0	2.01	100.6	mg/L	0.007
QCS Stnd	Cadmium	EPA 200.7	1.5	1.42	94.7	mg/L	0.006
	Lead	EPA 200.7	1.5	1.46	97.6	mg/L	0.2
	Zinc	EPA 200.7	1.5	1.48	98.7	mg/L	0.007

CI CERTIFICATE OF ANALYSIS

CLIENT: Linebach Funkhouser Inc.
ATTN: Roy Funkhouser
4059 Shelbyville Rd.
Louisville KY, 40220

PHONE: (502) 895-5009
FAX: (502) 895-4005

PROJECT NAME: Bay Zinc

PROJECT NUMBER: 100-02

SUBMITTED: 07/17/04 12:00

REPORT DATE: 07/29/04 08:13 REPORT NUMBER: 4071901

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX
4071901-01	AOC 3-10 Depth 1 Foot Plus	07/16/2004	0915	Soil
4071901-02	AOC 3-11 Depth 1 Foot Plus	07/16/2004	0930	Soil
4071901-03	AOC 3-14 Depth 6" Plus	07/16/2004	0915	Soil
4071901-04	AOC 3-17 Depth 6" Plus	07/16/2004	1000	Soil
4071901-05	AOC 1-2 Depth 1 Foot Plus	07/16/2004	1545	Soil

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
4071901-01	**SAMPLE ID: AOC 3-10 Depth 1 Foot Plus**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	5.5	mg/L	0.005	BKB	07/23/2004 13:28
LEAD - ICP		LEAD	208	mg/L	0.009	BKB	07/23/2004 13:28
ZINC - ICP		ZINC	6800	mg/L	0.053	BKB	07/23/2004 13:28
4071901-02	**SAMPLE ID: AOC 3-11 Depth 1 Foot Plus**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	4.7	mg/L	0.003	BKB	07/23/2004 13:28
LEAD - ICP		LEAD	124	mg/L	0.005	BKB	07/23/2004 13:28
ZINC - ICP		ZINC	3700	mg/L	0.030	BKB	07/23/2004 13:28
4071901-03	**SAMPLE ID: AOC 3-14 Depth 6" Plus**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	4.8	mg/L	0.002	BKB	07/23/2004 13:28
LEAD - ICP		LEAD	184	mg/L	0.004	BKB	07/23/2004 13:28
ZINC - ICP		ZINC	7500	mg/L	0.022	BKB	07/23/2004 13:28
4071901-04	**SAMPLE ID: AOC 3-17 Depth 6" Plus**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	3.6	mg/L	0.004	BKB	07/23/2004 13:28
LEAD - ICP		LEAD	182	mg/L	0.006	BKB	07/23/2004 13:28
ZINC - ICP		ZINC	6300	mg/L	0.037	BKB	07/23/2004 13:28
4071901-05	**SAMPLE ID: AOC 1-2 Depth 1 Foot Plus**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	8.4	mg/L	0.005	BKB	07/23/2004 13:28
LEAD - ICP		LEAD	11.4	mg/L	0.009	BKB	07/23/2004 13:28
ZINC - ICP		ZINC	9300	mg/L	0.052	BKB	07/23/2004 13:28

Authorized for Release By:

Richard D. Reid - Laboratory Director

CERTIFICATE OF ANALYSIS

CLIENT: Linebach Funkhouser Inc.
ATTN: Roy Funkhouser
4059 Shelbyville Rd.
Louisville KY, 40220

PHONE: (502) 895-5009
FAX: (502) 895-4005

PROJECT NAME: Bay Zinc

PROJECT NUMBER: 100-02

SUBMITTED: 08/27/04 09:13

REPORT DATE: 09/09/04 08:43 REPORT NUMBER: 4082707

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX
4082707-01	AOC 1-X	08/25/2004	2120	Soil
4082707-02	5-5 2'3"	08/25/2004	1835	Soil
4082707-03	5-6 2'3"	08/25/2004	1905	Soil
4082707-04	5-7 2'3"	08/25/2004	1930	Soil
4082707-05	5-8 2'3"	08/25/2004	2000	Soil
4082707-06	5-11 2'3"	08/25/2004	1715	Soil
4082707-07	5-12 2'3"	08/25/2004	1730	Soil
4082707-08	5-13 2'3"	08/25/2004	1750	Soil
4082707-09	5-14 2'3"	08/25/2004	1810	Soil
4082707-10	Dup-1/ Duplicate	08/25/2004	1111	Soil
4082707-11	Rinsate	08/25/2004	2100	Water

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
4082707-01	**SAMPLE ID: AOC 1-X**						
Total Metals by Inductively Coupled Plasma							
MIUM - ICP	EPA 200.7/6010B	CADMIUM	0.433	mg/kg	0.092	BKB	09/08/2004 14:09
D - ICP		LEAD	15.0	mg/kg	0.0921	BKB	09/08/2004 14:09
ZINC - ICP		ZINC	71.1	mg/kg	0.018	BKB	09/08/2004 14:09

Authorized for Release By:

Richard D. Reid - Laboratory Director

ORIGINAL

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD AND NON-COMMERCIAL BILL OF LADING

☐ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831
☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 4592 East 2nd Street, Suite A, Benicia, CA 94510 Ph: (707) 748-7587 Fax: (707) 748-7764
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: LINEBACH FUNKHOUSER
Attention: BRADLEY COYLE
Address: 4059 Shelbyville Rd Louisville
Phone: (502) 895-5009
FAX: (502) 895-4005
Sampler: BRADLEY COYLE ☐ Submitted

Project Name: Bay Zinc
Project Number: 100-02
P.O. Number: 100-02

Testing Priority: ☑ Normal ☐ Rush Due Date ________
Notification Method(s): ☐ Telephone ☑ FAX ☑ Mail

Analyses To Be Performed

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	[illegible]	[illegible]	[illegible]
	AOC-1-X	Soil	8/25/04	2120	X	X	X

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8/25/04 2130		
Relinquished By:	Date/Time	Received By: [signature]	Date/Time 8/27/04 0830

FOR LABORATORY USE ONLY
Inspection Job Number: ________ 1/3 PO # ________
Laboratory Project Number: 4082707 ☐ Cash/Check # ________
Due Date: ________ Amount Paid: $ ________

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B7/7/99

AOC-2

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Certificate of Analysis

Client: Linebach Funkhouser, Inc.
4059 Shelbyville Road
Louisville, KY 40207

Attn: Roy Funkhouser

Date Received: 11/14/02
Date of Report: 11/16/02

Sample Identification:

Lab ID	Sample Description	Date and Time Received
101022-(001-010)	Misc. Soils; Cd, Pb, and Zn	11/14/2002 2:25 PM
101022-011	Equip Blank; Cd, Pb, and Zn	11/14/2002 2:25 PM

Comments:

Soil sample results reported on a wet-weight basis.

William R. Rice
Laboratory Director

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, S/W
Date Received: 11/14/2002
Date Completed: 11/15/2002
Date Reported: 11/16/2002

Lab Sample ID: 101022-(001-011)

Lab Sample ID	Sample ID/Desc	Analyte	Method	% Moisture	Result	Dup Result	RPD	Units	MDL
Method Blank		Cadmium	EPA 200.7		ND			mg/L	0.006
		Lead	EPA 200.7		ND			mg/L	0.2
		Zinc	EPA 200.7		0.012			mg/L	0.007
101022-001	AOC-2-1	Cadmium	EPA 200.7	17.7	ND			mg/Kg	0.006
		Lead	EPA 200.7	17.7	115			mg/Kg	0.2
		Zinc	EPA 200.7	17.7	3789			mg/Kg	0.007
101022-002	AOC-2-2	Cadmium	EPA 200.7	16.8	ND			mg/Kg	0.006
		Lead	EPA 200.7	16.8	14.0			mg/Kg	0.2
		Zinc	EPA 200.7	16.8	6572			mg/Kg	0.007
101022-003	AOC-2-3	Cadmium	EPA 200.7	17.8	ND			mg/Kg	0.006
		Lead	EPA 200.7	17.8	31.3			mg/Kg	0.2
		Zinc	EPA 200.7	17.8	5083			mg/Kg	0.007
101022-004	AOC-2-4	Cadmium	EPA 200.7	15.6	ND			mg/Kg	0.006
		Lead	EPA 200.7	15.6	14.2			mg/Kg	0.2
		Zinc	EPA 200.7	15.6	4440			mg/Kg	0.007
101022-005	AOC-2-5	Cadmium	EPA 200.7	15.1	6.47	6.77	4.5	mg/Kg	0.006
		Lead	EPA 200.7	15.1	33.5	28.3	16.8	mg/Kg	0.2
		Zinc	EPA 200.7	15.1	4430	4405	0.6	mg/Kg	0.007
101022-006	AOC-2-6	Cadmium	EPA 200.7	16.8	ND			mg/Kg	0.006
		Lead	EPA 200.7	16.8	31.8			mg/Kg	0.2
		Zinc	EPA 200.7	16.8	1177			mg/Kg	0.007
101022-007	AOC-2-7	Cadmium	EPA 200.7	15.0	ND			mg/L	0.006
		Lead	EPA 200.7	15.0	24.4			mg/L	0.2
		Zinc	EPA 200.7	15.0	181			mg/L	0.007
101022-008	AOC-2-8	Cadmium	EPA 200.7	14.9	ND			mg/Kg	0.006
		Lead	EPA 200.7	14.9	ND			mg/Kg	0.2
		Zinc	EPA 200.7	14.9	210			mg/Kg	0.007
101022-009	AOC-2-9	Cadmium	EPA 200.7	13.8	ND			mg/Kg	0.006
		Lead	EPA 200.7	13.8	ND			mg/Kg	0.2
		Zinc	EPA 200.7	13.8	132			mg/Kg	0.007

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, S/W
Date Received: 11/14/2002
Date Completed: 11/15/2002
Date Reported: 11/16/2002

Lab Sample ID: 101022-(001-011)

Lab Sample ID	Sample ID/Desc	Analyte	Method	% Moisture	Result	Dup Result	RPD	Units	MDL
101022-010	AOC-2-10	Cadmium	EPA 200.7	14.5	ND			mg/Kg	0.006
		Lead	EPA 200.7	14.5	22.7			mg/Kg	0.2
		Zinc	EPA 200.7	14.5	153			mg/Kg	0.007
101022-011	AOC-2-EB	Cadmium	EPA 200.7		ND			mg/L	0.006
		Lead	EPA 200.7		ND			mg/L	0.2
		Zinc	EPA 200.7		ND			mg/L	0.007

Alliance Analytical Laboratories LLC

Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, S/W
Date Received: 11/14/2002
Date Completed: 11/15/2002
Date Reported: 11/16/2002

Lab Sample ID: 101022-(001-011)

Lab Sample ID	Analyte	Method	True Value	Result	% Rec	Units	MDL
101022-009 MS	Cadmium	EPA 200.7	0.4	0.292	73.0	mg/L	0.006
	Lead	EPA 200.7	2.0	2.22	104	mg/L	0.2
IPC Stnd	Cadmium	EPA 200.7	2.0	1.87	93.6	mg/L	0.006
	Lead	EPA 200.7	2.0	1.99	99.5	mg/L	0.2
	Zinc	EPA 200.7	2.0	1.90	94.8	mg/L	0.007
QCS Stnd	Cadmium	EPA 200.7	1.5	1.40	93.0	mg/L	0.006
	Lead	EPA 200.7	1.5	1.48	98.5	mg/L	0.2
	Zinc	EPA 200.7	1.5	1.42	94.9	mg/L	0.007

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Certificate of Analysis

Client: Linebach Funkhouser, Inc.
4059 Shelbyville Road
Louisville, KY 40207

Attn: Roy Funkhouser

Date Received: 12/16/02
Date of Report: 12/19/02

Sample Identification:

Lab ID	Sample Description	Date and Time Received
101107-(001-003)	Misc. Soils; Cd, Pb, and Zn	12/16/2002 4:40 PM

Comments:

Soil sample results reported on a dry-weight basis.

William R. Rice
Laboratory Director

Alliance Analytical Laboratories LLC

Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, Soil
Date Received: 12/16/2002
Date Completed: 12/19/2002
Date Reported: 12/19/2002

Lab Sample ID: 101107-(001-003)

Lab Sample ID	Sample ID/Desc	Analyte	Method	% Moisture	Result	Dup Result	RPD	Units	MDL
Method Blank		Cadmium	EPA 200.7		ND			mg/L	0.006
		Lead	EPA 200.7		ND			mg/L	0.2
		Zinc	EPA 200.7		0.013			mg/L	0.007
101107-001	AOC 2-1	Cadmium	EPA 200.7	15.2	9.89			mg/Kg	0.006
		Lead	EPA 200.7	15.2	57.4			mg/Kg	0.2
		Zinc	EPA 200.7	15.2	8243			mg/Kg	0.007
101107-002	AOC 2-2	Cadmium	EPA 200.7	12.5	ND			mg/Kg	0.006
		Lead	EPA 200.7	12.5	13.7			mg/Kg	0.2
		Zinc	EPA 200.7	12.5	125			mg/Kg	0.007
101107-003	AOC 2-3	Cadmium	EPA 200.7	12.4	ND			mg/Kg	0.006
		Lead	EPA 200.7	12.4	13.0			mg/Kg	0.2
		Zinc	EPA 200.7	12.4	90.8			mg/Kg	0.007

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, Soil
Date Received: 12/16/2002
Date Completed: 12/19/2002
Date Reported: 12/19/2002

Quality Control Summary

Lab Sample ID	Analyte	Method	True Value	Result	% Rec	Units	MDL
101107-002 MS	Cadmium	EPA 200.7	1.0	0.689	68.9	mg/L	0.006
	Lead	EPA 200.7	1.0	1.05	85.9	mg/L	0.2
	Zinc	EPA 200.7	1.0	2.64	86.4	mg/L	0.007
IPC Stnd	Cadmium	EPA 200.7	2.0	1.93	96.3	mg/L	0.006
	Lead	EPA 200.7	2.0	1.98	99.0	mg/L	0.2
	Zinc	EPA 200.7	2.0	2.01	100.6	mg/L	0.007
QCS Stnd	Cadmium	EPA 200.7	1.5	1.42	94.7	mg/L	0.006
	Lead	EPA 200.7	1.5	1.46	97.6	mg/L	0.2
	Zinc	EPA 200.7	1.5	1.48	98.7	mg/L	0.007

Alliance Analytical Laboratories LLC

Chain of Custody

Page 1 of 1

Client name: Linebach Funkhauser Inc	Client phone: 502-895-5009
Client address: 4059 Shelbyville Rd, Louisville, KY 40207	
Billing name: (Same)	Billing phone:
Billing address:	
P.O. #: 100-02	
Mail / Call / Fax results to: Dave	

Analysis required: Pb TCLP, Cd TCLP, Zn TCLP

Preservative used

Sample Identification	Date	Time	Matrix/type	# containers	Remarks
AOC2-1	12/16/02	1545	Soil	1	
AOC 2-2	12/16/02	1550	Soil	1	
AOC 2-3	12/16/02	1555	Soil	1	

Sampled Date: 12-16-02	Time: —	Sampled by: Barry Bailey	Sample condition upon receipt:	
Received Date:	Time:	Received by:	Carrier & shipping #:	
Relinquished by: Date: 12-16-02	Time: 16:40	Received by:	Chain of custody seal for: Container:	Cooler:
Relinquished by: Date: 12-17-02	Time: 16:40	Received by:		

Signature by the client/client agent assumes responsibility for payment for indicated tests according to the latest price list/quote.

401 S Street Yakima, WA 98901 509-469-2400 1 free 866-469-2400 Fax 509-469-9476

AOC-3

CERTIFICATE OF ANALYSIS

CLIENT: Linebach Funkhouser Inc.
4059 Shelbyville Rd.
Louisville KY, 40220
ATTN: Roy Funkhouser

PHONE: (502) 895-5009
FAX: (502) 895-4005

PROJECT NAME: Bay Zinc

PROJECT NUMBER: 100-02

SUBMITTED: 08/12/03 11:45

REPORT DATE: 08/14/03 12:01 REPORT NUMBER: 3081201

ORIGINAL

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX
3081201-01	AOC 3-4 12 inches	08/11/2003	1610	Soil
3081201-02	AOC 3-8 12 inches	08/11/2003	1614	Soil
3081201-03	AOC 3-12 12 inches	08/11/2003	1622	Soil
3081201-04	AOC 3-16 12 inches	08/11/2003	1635	Soil
3081201-05	AOC 3-19 12 inches	08/11/2003	1645	Soil
3081201-06	AOC 3-3 12 inches	08/11/2003	1651	Soil
3081201-07	AOC 3-7 12 inches	08/11/2003	1658	Soil
3081201-08	AOC 3-11 12 inches	08/11/2003	1705	Soil
3081201-09	AOC 3-15 12 inches	08/11/2003	1710	Soil
3081201-10	AOC 3-18 12 inches	08/11/2003	1715	Soil
3081201-11	AOC 3-2 12 inches	08/11/2003	1720	Soil
3081201-12	AOC 3-6 12 inches	08/11/2003	1725	Soil
3081201-13	AOC 3-10 12 inches	08/11/2003	1730	Soil
3081201-14	AOC 3-14 12 inches	08/11/2003	1735	Soil
3081201-15	AOC 3-17 12 inches	08/11/2003	1740	Soil
3081201-18	AOC 3-12 18 inches	08/11/2003	1622	Soil
3081201-19	AOC 3-16 18 inches	08/11/2003	1635	Soil
3081201-20	AOC 3-19 18 inches	08/11/2003	1645	Soil
201-22	AOC 3-7 18 inches	08/11/2003	1658	Soil
01-23	AOC 3-11 18 inches	08/11/2003	1705	Soil
01-24	AOC 3-15 18 inches	08/11/2003	1710	Soil
3081201-25	AOC 3-18 18 inches	08/11/2003	1715	Soil
3081201-26	AOC 3-2 18 inches	08/11/2003	1720	Soil
3081201-27	AOC 3-6 18 inches	08/11/2003	1725	Soil
3081201-28	AOC 3-10 18 inches	08/11/2003	1730	Soil
3081201-29	AOC 3-14 18 inches	08/11/2003	1735	Soil
3081201-30	AOC 3-17 18 inches	08/11/2003	1740	Soil
3081201-31	Dup 1	08/11/2003	1544	Soil
3081201-32	Equipment Rinse	08/11/2003	0000	Water

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
3081201-01	**SAMPLE ID: AOC 3-4 12 inches**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	1.59	mg/kg	0.062	GW	08/13/2003 06:22
LEAD - ICP		LEAD	37.7	mg/kg	0.0617	GW	08/13/2003 06:22
ZINC - ICP		ZINC	909	mg/kg	1.23	GW	08/13/2003 06:22
3081201-02	**SAMPLE ID: AOC 3-8 12 inches**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	1.41	mg/kg	0.076	GW	08/13/2003 06:22
LEAD - ICP		LEAD	34.0	mg/kg	0.0756	GW	08/13/2003 06:22
ZINC - ICP		ZINC	740	mg/kg	1.51	GW	08/13/2003 06:22
3081201-03	**SAMPLE ID: AOC 3-12 12 inches**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	12.5	mg/kg	0.060	GW	08/13/2003 06:22
LEAD - ICP		LEAD	1700	mg/kg	5.99	GW	08/13/2003 06:22

Authorized for Release By:

Richard D. Reid - Laboratory Director

CERTIFICATE OF ANALYSIS

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
3081201-03	**SAMPLE ID: AOC 3-12 12 inches**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	24500	mg/kg	1.20	GW	08/13/2003 06:22
3081201-04	**SAMPLE ID: AOC 3-16 12 inches**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	4.87	mg/kg	0.060	GW	08/13/2003 06:22
LEAD - ICP		LEAD	282	mg/kg	0.0604	GW	08/13/2003 06:22
ZINC - ICP		ZINC	7450	mg/kg	1.21	GW	08/13/2003 06:22
3081201-05	**SAMPLE ID: AOC 3-19 12 inches**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	12.6	mg/kg	0.062	GW	08/13/2003 06:22
LEAD - ICP		LEAD	1960	mg/kg	6.23	GW	08/13/2003 06:22
ZINC - ICP		ZINC	39000	mg/kg	1.25	GW	08/13/2003 06:22
3081201-06	**SAMPLE ID: AOC 3-3 12 inches**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	1.08	mg/kg	0.063	GW	08/13/2003 06:22
LEAD - ICP		LEAD	16.9	mg/kg	0.0631	GW	08/13/2003 06:22
ZINC - ICP		ZINC	607	mg/kg	1.26	GW	08/13/2003 06:22
3081201-07	**SAMPLE ID: AOC 3-7 12 inches**						
Total Metals by Inductively Coupled Plasma							
[illegible]IUM - ICP	EPA 200.7/6010B	CADMIUM	13.3	mg/kg	0.059	GW	08/13/2003 06:22
[illegible] - ICP		LEAD	915	mg/kg	5.89	GW	08/13/2003 06:22
[illegible] - ICP		ZINC	14000	mg/kg	1.18	GW	08/13/2003 06:22
3081201-08	**SAMPLE ID: AOC 3-11 12 inches**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	12.8	mg/kg	0.058	GW	08/13/2003 06:22
LEAD - ICP		LEAD	2070	mg/kg	5.79	GW	08/13/2003 06:22
ZINC - ICP		ZINC	44400	mg/kg	1.16	GW	08/13/2003 06:22
3081201-09	**SAMPLE ID: AOC 3-15 12 inches**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	13.2	mg/kg	0.050	GW	08/13/2003 06:22
LEAD - ICP		LEAD	4070	mg/kg	5.00	GW	08/13/2003 06:22
ZINC - ICP		ZINC	172000	mg/kg	10.0	GW	08/13/2003 06:22
3081201-10	**SAMPLE ID: AOC 3-18 12 inches**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	15.4	mg/kg	0.061	GW	08/13/2003 06:22
LEAD - ICP		LEAD	2010	mg/kg	6.12	GW	08/13/2003 06:22
ZINC - ICP		ZINC	85400	mg/kg	1.22	GW	08/13/2003 06:22
3081201-11	**SAMPLE ID: AOC 3-2 12 inches**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	17.7	mg/kg	0.050	GW	08/13/2003 06:22
LEAD - ICP		LEAD	354	mg/kg	0.0500	GW	08/13/2003 06:22
ZINC - ICP		ZINC	15400	mg/kg	1.00	GW	08/13/2003 06:22
3081201-12	**SAMPLE ID: AOC 3-6 12 inches**						

Authorized for Release By:Richard D. Reid - Laboratory Director

ORIGINAL

CERTIFICATE OF ANALYSIS

REPORT DATE: 08/14/03 12:01 REPORT NUMBER: 3081201

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
3081201-12	**SAMPLE ID: AOC 3-6 12 inches**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	22.4	mg/kg	0.050	GW	08/13/2003 06:22
LEAD - ICP		LEAD	2710	mg/kg	5.00	GW	08/13/2003 06:22
ZINC - ICP		ZINC	84600	mg/kg	10.0	GW	08/13/2003 06:22
3081201-13	**SAMPLE ID: AOC 3-10 12 inches**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	18.6	mg/kg	0.050	GW	08/13/2003 06:22
LEAD - ICP		LEAD	6030	mg/kg	5.00	GW	08/13/2003 06:22
ZINC - ICP		ZINC	160000	mg/kg	10.0	GW	08/13/2003 06:22
3081201-14	**SAMPLE ID: AOC 3-14 12 inches**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	30.2	mg/kg	0.067	GW	08/13/2003 06:22
LEAD - ICP		LEAD	5620	mg/kg	6.68	GW	08/13/2003 06:22
ZINC - ICP		ZINC	167000	mg/kg	13.4	GW	08/13/2003 06:22
3081201-15	**SAMPLE ID: AOC 3-17 12 inches**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	27.3	mg/kg	0.065	GW	08/13/2003 06:22
LEAD - ICP		LEAD	9170	mg/kg	6.55	GW	08/13/2003 06:22
ZINC - ICP		ZINC	164000	mg/kg	13.1	GW	08/13/2003 06:22
201-18	**SAMPLE ID: AOC 3-12 18 inches**						
Metals by Inductively Coupled Plasma							
- ICP	EPA 200.7/6010B	LEAD	169	mg/kg	0.0583	GW	08/14/2003 06:18
ZINC - ICP		ZINC	7650	mg/kg	1.17	GW	08/14/2003 11:17
3081201-19	**SAMPLE ID: AOC 3-16 18 inches**						
Total Metals by Inductively Coupled Plasma							
LEAD - ICP	EPA 200.7/6010B	LEAD	170	mg/kg	0.0562	GW	08/14/2003 06:18
3081201-20	**SAMPLE ID: AOC 3-19 18 inches**						
Total Metals by Inductively Coupled Plasma							
LEAD - ICP	EPA 200.7/6010B	LEAD	9.17	mg/kg	0.0619	GW	08/14/2003 06:18
ZINC - ICP		ZINC	4080	mg/kg	1.24	GW	08/14/2003 07:16
3081201-22	**SAMPLE ID: AOC 3-7 18 inches**						
Total Metals by Inductively Coupled Plasma							
LEAD - ICP	EPA 200.7/6010B	LEAD	81.5	mg/kg	0.0586	GW	08/14/2003 06:18
3081201-23	**SAMPLE ID: AOC 3-11 18 inches**						
Total Metals by Inductively Coupled Plasma							
LEAD - ICP	EPA 200.7/6010B	LEAD	722	mg/kg	0.120	GW	08/14/2003 06:18
ZINC - ICP		ZINC	30000	mg/kg	1.20	GW	08/14/2003 07:16
3081201-24	**SAMPLE ID: AOC 3-15 18 inches**						
Total Metals by Inductively Coupled Plasma							
LEAD - ICP	EPA 200.7/6010B	LEAD	185	mg/kg	0.0607	GW	08/14/2003 06:18
ZINC - ICP		ZINC	17900	mg/kg	1.21	GW	08/14/2003 07:16
3081201-25	**SAMPLE ID: AOC 3-18 18 inches**						
Total Metals by Inductively Coupled Plasma							

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☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Lin-tech Funkhouser
Attention: Ross Funkhouser
Address: 4259 Shelbyville Rd
Phone: 502-815-5629
Fax: 502-895-4075
Sampler: Bucey A. Pilling ☒ Submitted
502-376-6463

Project Name: Bay Zinc
Project Number: 100-02
P.O. Number: 100-02
Testing Priority: ☐ Normal ☒ Rush
Due Date:
Notification Method(s): ☒ Telephone ☐ Email ☐ Mail

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Total Pb	Total Zn	Total Cd
	AOC 3-4 12 in	Soil	8-11-03	1610	X	X	X
	AOC 3-8 12 in	Soil	[illegible]	1614	X	X	X
	AOC 3-12 12 in	Soil	[illegible]	1622	X	X	X
	AOC 3-16 12 in	Soil	[illegible]	1635	X	X	X
	AOC 3-19 12 in	Soil	[illegible]	1645	X	X	X
	AOC 3-3 12 in	Soil	[illegible]	1651	X	X	X
	AOC 3-7 12 in	Soil	[illegible]	1658	X	X	X
	AOC 3-11 12 in	Soil	8-11-03	1705	X	X	X
	AOC 3-15 12 in	Soil	8-11-03	1710	X	X	X
	AOC 3-18 12 in	Soil	8-11-03	1715	X	X	X
	AOC 3-2 12 in	Soil	8-11-03	1720	X	X	X
	AOC 3-6 12 in	Soil	8-11-03	1725	X	X	X
	AOC 3-10 12 in	Soil	8-11-03	1730	X	X	X
	AOC 3-14 12 in	Soil	8-11-03	1735	X	X	X
	AOC 3-17 12 in	Soil	8-11-03	1740	X	X	X

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8-12-03 11:45		
Relinquished By:	Date/Time	Received By: [signature]	Date/Time 8/12/03 1145

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Laboratory Project Number: ________ Cash/check # ________
Due Date: ________ Amount Paid: $ ________

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☐ 797 Channel Street, San Pedro, CA 90731 — Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name:	[illegible]
Attention:	[illegible]
Address:	[illegible]
Phone:	[illegible]
Fax:	[illegible]
Sampler:	[illegible] ☐ Submitted

Project Name:	[illegible]
Project Number:	[illegible]
P.O. Number:	[illegible]
Testing Priority	Notification Method(s)
☐ Normal	☑ Telephone
☑ Rush	☐ Email
Due Date:	☐ Mail

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analysis To Be Performed
	AOC 3-4 18in	Soil	8-12	1011	X X X
	AOC 3-5 18in			1115	
	AOC 3-12 18in			1120	
	AOC 3-11 18in			1130	
	AOC 3-14 18in			1647	
	AOC 3-6 18in			1650	
	AOC 3-7 18in			1720	
	AOC 3-11 18in			1728	
	AOC 3-15 18in			1710	
	AOC 3-18 18in			1718	
	AOC 3-2 18in			1732	
	AOC 3-1 18in			1738	
	AOC 3-10 18in			1752	
	AOC 3-14 18in			1758	
	AOC 3-12 18in			1744	

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Relinquished By:	Date/Time	Received By:	Date/Time
		[signature]	8/12/03 1145

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Inspection Job Number: _____ PO# _____

Laboratory Project Number: _____ Cash/check # _____

Due Date: _____ Amount Paid: $ _____

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Customer Name:
Attention:
Address:
Phone:
Fax:
Sampler: ☒ Submitted

Project Name:
Project Number:
P.O. Number:

Testing Priority
☐ Normal
☒ Rush
Due Date:

Notification Method(s)
☐ Telephone
☐ Email
☐ Mail

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analysis To Be Performed															
	Duo 1	Soil		1544	X	X	X													
	Equip Blank	H2O			X	X	X													

Analysis To Be Performed: Total Zn; Total Pb; Total Pb

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			8/12/03 11:45

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Inspection Job Number: _____ PO# _____
Laboratory Project Number: _____ Cash/check # _____
Due Date: _____ Amount Paid: $ _____

CERTIFICATE OF ANALYSIS

CLIENT: Linebach Funkhouser Inc.
4059 Shelbyville Rd.
Louisville KY, 40220
ATTN: Roy Funkhouser

PHONE: (502) 895-5009
FAX: (502) 895-4005

PROJECT NAME: Bay Zinc

PROJECT NUMBER: 100-02

SUBMITTED: 08/14/03 10:50

REPORT DATE: 08/14/03 15:40 REPORT NUMBER: 3081402

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX
3081402-04	AOC 3-11 24 inches	08/13/2003	1638	Soil
3081402-09	AOC 3-10 24 inches	08/13/2003	1717	Soil
3081402-10	AOC 3-14 24 inches	08/13/2003	1712	Soil
3081402-11	AOC 3-17 24 inches	08/13/2003	1702	Soil
3081402-16	AOC 3-11 30 inches	08/13/2003	1638	Soil
3081402-21	AOC 3-10 30 inches	08/13/2003	1717	Soil
3081402-22	AOC 3-14 30 inches	08/13/2003	1712	Soil
3081402-23	AOC 3-17 30 inches	08/13/2003	1702	Soil
3081402-25	Dup 1	08/13/2003	1345	Soil
3081402-26	Equipment Rinse	08/13/2003	1750	Water

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SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
3081402-04	**SAMPLE ID: AOC 3-11 24 inches**						
Total Metals by Inductively Coupled Plasma							
LEAD - ICP	EPA 200.7/6010B	LEAD	1800	mg/kg	0.612	GW	08/14/2003 13:54
ZINC - ICP		ZINC	20900	mg/kg	1.22	GW	08/14/2003 13:54
3081402-09	**SAMPLE ID: AOC 3-10 24 inches**						
Total Metals by Inductively Coupled Plasma							
LEAD - ICP	EPA 200.7/6010B	LEAD	1050	mg/kg	0.890	GW	08/14/2003 13:54
ZINC - ICP		ZINC	22100	mg/kg	1.78	GW	08/14/2003 13:54
3081402-10	**SAMPLE ID: AOC 3-14 24 inches**						
Total Metals by Inductively Coupled Plasma							
LEAD - ICP	EPA 200.7/6010B	LEAD	79.8	mg/kg	0.789	GW	08/14/2003 13:54
ZINC - ICP		ZINC	7350	mg/kg	0.158	GW	08/14/2003 13:54
3081402-11	**SAMPLE ID: AOC 3-17 24 inches**						
Total Metals by Inductively Coupled Plasma							
LEAD - ICP	EPA 200.7/6010B	LEAD	203	mg/kg	0.708	GW	08/14/2003 13:54
ZINC - ICP		ZINC	6760	mg/kg	0.142	GW	08/14/2003 13:54
3081402-16	**SAMPLE ID: AOC 3-11 30 inches**						
Total Metals by Inductively Coupled Plasma							
LEAD - ICP	EPA 200.7/6010B	LEAD	12.5	mg/kg	0.614	GW	08/14/2003 13:54
ZINC - ICP		ZINC	1240	mg/kg	0.123	GW	08/14/2003 13:54
3081402-21	**SAMPLE ID: AOC 3-10 30 inches**						
Total Metals by Inductively Coupled Plasma							
LEAD - ICP	EPA 200.7/6010B	LEAD	20.6	mg/kg	0.740	GW	08/14/2003 13:54
ZINC - ICP		ZINC	7670	mg/kg	0.148	GW	08/14/2003 13:54
3081402-22	**SAMPLE ID: AOC 3-14 30 inches**						
Total Metals by Inductively Coupled Plasma							
LEAD - ICP	EPA 200.7/6010B	LEAD	2.30	mg/kg	0.795	GW	08/14/2003 13:54
ZINC - ICP		ZINC	3270	mg/kg	0.159	GW	08/14/2003 13:54

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Richard D. Reid - Laboratory Director

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SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
3081402-23	**SAMPLE ID: AOC 3-17 30 inches**						
Total Metals by Inductively Coupled Plasma							
LEAD - ICP	EPA 200.7/6010B	LEAD	58.3	mg/kg	0.629	GW	08/14/2003 13:54
ZINC - ICP		ZINC	2400	mg/kg	0.126	GW	08/14/2003 13:54
3081402-25	**SAMPLE ID: Dup 1**						
Total Metals by Inductively Coupled Plasma							
LEAD - ICP	EPA 200.7/6010B	LEAD	14.0	mg/kg	0.712	GW	08/14/2003 13:54
ZINC - ICP		ZINC	628	mg/kg	0.142	GW	08/14/2003 13:54
3081402-26	**SAMPLE ID: Equipment Rinse**						
Total Metals by Inductively Coupled Plasma							
LEAD - ICP	EPA 200.7/6010B	LEAD	ND	mg/L	0.001	GW	08/14/2003 14:53
ZINC - ICP		ZINC	0.003	mg/L	0.001	GW	08/14/2003 14:53

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☐ 797 Channel Street, San Pedro, CA 90731 — Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Linebach Funkhouser
Attention: Roy Funkhouser
Address: 4559 Shelbyville Rd Louisville KY
Phone: 502-845-5009
Fax: 502-895-1100
Sampler: [illegible] ☐ Submitted

Project Name: Bay Zinc
Project Number: 100-02
P.O. Number: 100-02

Testing Priority: ☐ Normal ☒ Rush
Due Date:
Notification Method(s): ☒ Telephone ☐ Email ☐ Mail

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Total Pb	Total Zn											
	AOC 3-16 24in	Soil	8-13	1012													
	" " 3-19 24in			1015													
	" " 3-7 24in			1027													
	" " 3-11 24in			1038	X	X											
	" " 3-15 24in			1047													
	" " 3-18 24in			1052													
	" " 3-2 24in			1742													
	" " 3-6 24in			1732													
	" " 3-10 24in			1717	X	X											
	" " 3-14 24in			1712	X	X											
	" " 3-17 24in			1702	X	X											
	" " 3-12 24in			1002													

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Relinquished By:	Date/Time	Received By:	Date/Time
		[signature]	8/14 1050

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Laboratory Project Number: ______ Cash/check # ______
Due Date: ______ Amount Paid: $ ______

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☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Lindala Funkhouser
Attention: Roy Funkhouser
Address: [illegible]
Phone: 502 - 895 - 5059
Fax: 502 895 - 1005
Sampler: [signature] ☒ Submitted

Project Name: [illegible]
Project Number: 100222
P.O. Number: 100-02
Testing Priority: ☐ Normal ☒ Rush
Due Date: ______
Notification Method(s): ☐ Telephone ☐ Email ☐ Mail

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Total Pb	Total Zn
	AOC 3-16 30in	Soil	8-13	1010		
	AOC 3-17 30in			1017		
	AOC 3-7 30in			1025		
	AOC 3-11 30in			1035	X	X
	AOC 3-15 30in			1045		
	AOC 3-13 30in			1050		
	AOC 3-2 30in			1740		
	AOC 3-6 30in			1730		
	AOC 3-10 30in			1715	X	X
	AOC 3-14 30in			1710	X	X
	AOC 3-17 30in			1700	X	X
	AOC 3-12 30in			1600		
	Dup 1			1345	X	X
	Equip Rinsate	H2O		1750	X	X

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Relinquished By:	Date/Time	Received By:	Date/Time
		[signature]	8/14 1055

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Inspection Job Number: ______ PO# ______
Laboratory Project Number: ______ Cash/check # ______
Due Date: ______ Amount Paid: $ ______

CERTIFICATE OF ANALYSIS

CLIENT: Linebach Funkhouser Inc.
4059 Shelbyville Rd.
Louisville KY, 40220
ATTN: Roy Funkhouser

PHONE: (502) 895-5009
FAX: (502) 895-4005

PROJECT NAME: Bay Zinc

PROJECT NUMBER: 100-02

SUBMITTED: 08/18/03 07:30

REPORT DATE: 08/19/03 13:44 REPORT NUMBER: 3081803

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX
3081803-01	AOC 3-12 42 inches	08/15/2003	1515	Soil
3081803-02	AOC 3-19 42 inches	08/15/2003	1450	Soil
3081803-03	AOC 3-11 42 inches	08/15/2003	1520	Soil
3081803-04	AOC 3-15 42 inches	08/15/2003	1530	Soil
3081803-05	AOC 3-18 42 inches	08/15/2003	1500	Soil
3081803-06	AOC 3-6 24 inches	08/15/2003	1555	Soil
3081803-07	AOC 3-10 24 inches	08/15/2003	1545	Soil
3081803-08	AOC 3-14 42 inches	08/15/2003	1540	Soil
3081803-09	AOC 3-17 42 inches	08/15/2003	1505	Soil
3081803-10	Dup 1	08/15/2003	1800	Soil
3081803-11	Equipment Rinsate 1	08/15/2003	1630	Water

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SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
3081803-01	**SAMPLE ID: AOC 3-12 42 inches**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	188	mg/kg	0.028	GW	08/19/2003 10:46
803-02	**SAMPLE ID: AOC 3-19 42 inches**						
Metals by Inductively Coupled Plasma							
- ICP	EPA 200.7/6010B	ZINC	1140	mg/kg	0.027	GW	08/19/2003 10:46
3081803-03	**SAMPLE ID: AOC 3-11 42 inches**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	684	mg/kg	0.032	GW	08/19/2003 10:46
3081803-04	**SAMPLE ID: AOC 3-15 42 inches**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	88.5	mg/kg	0.040	GW	08/19/2003 10:46
3081803-05	**SAMPLE ID: AOC 3-18 42 inches**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	1580	mg/kg	0.027	GW	08/19/2003 10:46
3081803-06	**SAMPLE ID: AOC 3-6 24 inches**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	123	mg/kg	0.024	GW	08/19/2003 10:46
3081803-07	**SAMPLE ID: AOC 3-10 24 inches**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	933	mg/kg	0.026	GW	08/19/2003 10:46
3081803-08	**SAMPLE ID: AOC 3-14 42 inches**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	108	mg/kg	0.027	GW	08/19/2003 10:46
3081803-09	**SAMPLE ID: AOC 3-17 42 inches**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	119	mg/kg	0.025	GW	08/19/2003 10:46

Authorized for Release By:

Richard D. Reid - Laboratory Director

CERTIFICATE OF ANALYSIS

REPORT DATE: 08/19/03 13:44 REPORT NUMBER: 3081803

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
3081803-10	**SAMPLE ID: Dup 1**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	1450	mg/kg	0.209	GW	08/19/2003 10:46
3081803-11	**SAMPLE ID: Equipment Rinsate 1**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	0.010	mg/L	0.001	GW	08/19/2003 11:25

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Authorized for Release By:Richard D. Reid - Laboratory Director

COLUMBIA INSPECTION, INC 7133 N. Lombard, Portland, OR 97203 Phone:(503) 286-9464 Fax:(503) 286-5355 E-mail:lab@ColumbiaInspection.com

COLUMBIA INSPECTION, INC.

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☐ 797 Channel Street, San Pedro, CA 90731 — Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name:	[illegible]
Attention:	[illegible]
Address:	[illegible]
Phone:	[illegible]
Fax:	[illegible]
Sampler:	[illegible] ☒ Submitted

Project Name:	[illegible]
Project Number:	[illegible]
P.O. Number:	[illegible]
Testing Priority	Notification Method(s)
☐ Normal	☐ Telephone
☒ Rush	☐ Email
Due Date: _____	☐ Mail

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analysis To Be Performed: Total Zn
	AOC 3-12 4-2in	Soil	8-15	1515	X
	AOC 3-14 4-2in			1450	X
	AOC 3-11 4-2in			1520	X
	AOC 3-13 4-2in			1530	X
	AOC 3-18 4-2in			1500	X
	AOC 3-16 4-2in			1555	X
	AOC 3-10 4-2in			1545	X
	AOC 3-14 4-2in			1540	X
	AOC 3-17 4-2in			1505	X
	Dup 1			1300	X

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[signature]	8-15-03 / 1630		
Relinquished By:	Date/Time	Received By:	Date/Time

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Inspection Job Number: _____ PO# _____

Laboratory Project Number: _____ Cash/check # _____

Due Date: _____ Amount Paid: $ _____

CERTIFICATE OF ANALYSIS

CLIENT: Linebach Funkhouser Inc.
4059 Shelbyville Rd.
Louisville KY, 40220
ATTN: Roy Funkhouser

PHONE: (502) 895-5009
FAX: (502) 895-4005

PROJECT NAME: Bay Zinc

PROJECT NUMBER: 100-02

SUBMITTED: 08/22/03 07:41

REPORT DATE: 08/25/03 15:26 REPORT NUMBER: 3082201

ORIGINAL

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX
3082201-01	AOC 3-10 30 inches	08/20/2003	1725	Soil
3082201-02	AOC 3-10 36 inches	08/20/2003	1735	Soil
3082201-03	AOC 3-11 48 inches	08/20/2003	1705	Soil
3082201-04	AOC 3-11 54 inches	08/20/2003	1705	Soil
3082201-05	AOC 3-18 48 inches	08/20/2003	1645	Soil
3082201-06	AOC 3-18 54 inches	08/20/2003	1655	Soil
3082201-07	AOC 3-19 48 inches	08/20/2003	1633	Soil
3082201-09	AOC 3-36 48 inches	08/20/2003	1745	Soil
3082201-10	AOC 3-36 54 inches	08/20/2003	1755	Soil

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
3082201-01	**SAMPLE ID: AOC 3-10 30 inches**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	3210	mg/kg	0.239	GW	08/23/2003 09:03
3082201-02	**SAMPLE ID: AOC 3-10 36 inches**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	1500	mg/kg	0.201	GW	08/25/2003 12:24
3082201-03	**SAMPLE ID: AOC 3-11 48 inches**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	884	mg/kg	0.022	GW	08/23/2003 09:03
3082201-04	**SAMPLE ID: AOC 3-11 54 inches**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	830	mg/kg	0.026	GW	08/25/2003 12:24
3082201-05	**SAMPLE ID: AOC 3-18 48 inches**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	773	mg/kg	0.021	GW	08/23/2003 09:03
3082201-06	**SAMPLE ID: AOC 3-18 54 inches**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	8000	mg/kg	0.199	GW	08/25/2003 12:24
3082201-07	**SAMPLE ID: AOC 3-19 48 inches**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	243	mg/kg	0.022	GW	08/23/2003 09:03
3082201-09	**SAMPLE ID: AOC 3-36 48 inches**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	2210	mg/kg	0.222	GW	08/23/2003 09:03
3082201-10	**SAMPLE ID: AOC 3-36 54 inches**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	3600	mg/kg	0.209	GW	08/25/2003 12:24

Authorized for Release By:

Richard D. Reid - Laboratory Director

CERTIFICATE OF ANALYSIS

ORIGINAL

Authorized for Release By:Richard D. Reid - Laboratory Director

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD
AND
NON-COMMERCIAL BILL OF LADING

☑ 7133 N. Lombard, Portland, OR 97203 — Ph: (503) 286-9464 Fax: (503) 285-7831
☐ 4901 E. 20th Street, Fife, WA 98424 — Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 4592 E 2nd Street, Ste 'A', Benicia, CA 94510 — Ph: (707) 748-7587 Fax: (707) 748-7764
☐ 797 Channel Street, San Pedro, CA 90731 — Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Linebach Funkhouser, Inc
Attention: Roy Funkhouser
Address: 4059 Shelbyville Road
Phone: (502) 895-5009
Fax: (502) 895-4005
Sampler: JMP ☐ Submitted

Project Name: Bay Zinc
Project Number: 100-02
P.O. Number:

Testing Priority: ☐ Normal ☑ Rush 48HR TAT Due Date:

Notification Method(s): ☐ Telephone ☐ Email ☑ Mail

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analysis To Be Performed: Zinc EPA 200.7/6010B
AOC3-10-30		Soil	8/20/03	1725	X
AOC3-10-36		Soil	8/20/03	1735	X
AOC3-11-48		Soil	8/20/03	1705	X
AOC3-11-54		Soil	8/20/03	1715	X
AOC3-18-48		Soil	8/20/03	1645	X
AOC3-18-54		Soil	8/20/03	1655	X
AOC3-19-48		Soil	8/20/03	1633	X
AOC3-19-54		Soil	8/20/03	1640	X
AOC3-36-48		Soil	8/20/03	1745	X
AOC3-36-54		Soil	8/20/03	1755	X

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8/20/03 1830	Greyhound	8/20/03 1830
Relinquished By:	Date/Time	Received By:	Date/Time

FOR LABORATORY USE ONLY

NOTE: *RUN GROUP METHOD. Stop if <570 mg/kg

Inspection Job Number: PO#

Laboratory Project Number: Cash/check #

Due Date: Amount Paid: $

CERTIFICATE OF ANALYSIS

CLIENT: Linebach Funkhouser Inc.
ATTN: Roy Funkhouser
4059 Shelbyville Rd.
Louisville KY, 40220

PHONE: (502) 895-5009
FAX: (502) 895-4005

PROJECT NAME: Bay Zinc
PROJECT NUMBER: 100-02
SUBMITTED: 07/02/04 15:00

REPORT DATE: 07/08/04 15:37 REPORT NUMBER: 4070205

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX
4070205-01	MW-1A/1B Well Pad North 8' Deep	06/29/2004	1640	Soil
4070205-02	MW-1A/1B Well Pad West 8' Deep	06/29/2004	1638	Soil
4070205-03	MW-1A/1B Well Pad South 8' Deep	06/29/2004	1642	Soil
4070205-04	AOC 3-1 Depth 1 Foot	06/29/2004	1756	Soil
4070205-05	AOC 3-5 Depth 1 Foot	06/29/2004	1750	Soil
4070205-06	AOC 3-9 Depth 1 Foot	06/29/2004	1744	Soil
4070205-07	AOC 3-13 Depth 1 Foot	06/29/2004	1738	Soil
4070205-08	AOC-5-18 Depth 2 Feet	06/29/2004	1825	Soil
4070205-09	AOC-5-19 Depth 2 Feet	06/29/2004	1823	Soil
4070205-10	AOC-5-20 Depth 2 Feet	06/29/2004	1820	Soil
4070205-11	AOC-5-21 Depth 2 Feet	06/29/2004	1815	Soil
4070205-12	MW-1 Wellpad South 15 Feet	06/30/2004	0948	Soil

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
4070205-01	**SAMPLE ID: MW-1A/1B Well Pad North 8' Deep**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	1270	mg/kg	0.023	BKB	07/08/2004 08:38
4070205-02	**SAMPLE ID: MW-1A/1B Well Pad West 8' Deep**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	12.9	mg/kg	0.007	BKB	07/08/2004 08:38
4070205-03	**SAMPLE ID: MW-1A/1B Well Pad South 8' Deep**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	118	mg/kg	0.010	BKB	07/08/2004 08:38
4070205-04	**SAMPLE ID: AOC 3-1 Depth 1 Foot**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	8.53	mg/kg	0.050	BKB	07/08/2004 08:38
LEAD - ICP		LEAD	31.1	mg/kg	0.0500	BKB	07/08/2004 08:38
ZINC - ICP		ZINC	2320	mg/kg	0.100	BKB	07/08/2004 08:38
4070205-05	**SAMPLE ID: AOC 3-5 Depth 1 Foot**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.963	mg/kg	0.050	BKB	07/08/2004 08:38
LEAD - ICP		LEAD	14.7	mg/kg	0.0500	BKB	07/08/2004 08:38
ZINC - ICP		ZINC	334	mg/kg	0.010	BKB	07/08/2004 08:38
4070205-06	**SAMPLE ID: AOC 3-9 Depth 1 Foot**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	2.45	mg/kg	0.099	BKB	07/08/2004 08:38
LEAD - ICP		LEAD	125	mg/kg	0.0989	BKB	07/08/2004 08:38
ZINC - ICP		ZINC	1050	mg/kg	0.020	BKB	07/08/2004 08:38
4070205-07	**SAMPLE ID: AOC 3-13 Depth 1 Foot**						
Total Metals by Inductively Coupled Plasma							

ORIGINAL

Authorized for Release By:

Richard D. Reid - Laboratory Director

CERTIFICATE OF ANALYSIS

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
4070205-07	**SAMPLE ID: AOC 3-13 Depth 1 Foot**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	6.41	mg/kg	0.066	BKB	07/08/2004 08:38
LEAD - ICP		LEAD	197	mg/kg	0.0661	BKB	07/08/2004 08:38
ZINC - ICP		ZINC	5440	mg/kg	0.132	BKB	07/08/2004 08:38
4070205-08	**SAMPLE ID: AOC-5-18 Depth 2 Feet**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	232	mg/kg	0.100	BKB	07/08/2004 08:38
LEAD - ICP		LEAD	7190	mg/kg	9.99	BKB	07/08/2004 08:38
ZINC - ICP		ZINC	246000	mg/kg	4.00	BKB	07/08/2004 08:38
4070205-09	**SAMPLE ID: AOC-5-19 Depth 2 Feet**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	52.6	mg/kg	0.050	BKB	07/08/2004 08:38
LEAD - ICP		LEAD	3970	mg/kg	0.500	BKB	07/08/2004 08:38
ZINC - ICP		ZINC	29300	mg/kg	0.400	BKB	07/08/2004 08:38
4070205-10	**SAMPLE ID: AOC-5-20 Depth 2 Feet**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	57.1	mg/kg	0.098	BKB	07/08/2004 08:38
LEAD - ICP		LEAD	4990	mg/kg	0.977	BKB	07/08/2004 08:38
ZINC - ICP		ZINC	30000	mg/kg	0.391	BKB	07/08/2004 08:38
4070205-11	**SAMPLE ID: AOC-5-21 Depth 2 Feet**						
Total Metals by Inductively Coupled Plasma							
MIUM - ICP	EPA 200.7/6010B	CADMIUM	4.91	mg/kg	0.059	BKB	07/08/2004 08:38
LEAD - ICP		LEAD	224	mg/kg	0.0586	BKB	07/08/2004 08:38
ZINC - ICP		ZINC	1520	mg/kg	0.023	BKB	07/08/2004 08:38
4070205-12	**SAMPLE ID: MW-1 Wellpad South 15 Feet**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	5440	mg/kg	0.100	BKB	07/08/2004 08:38

ORIGINAL

Authorized for Release By:Richard D. Reid - Laboratory Director

CI CERTIFICATE OF ANALYSIS

CLIENT: Linebach Funkhouser Inc.
ATTN: Roy Funkhouser
4059 Shelbyville Rd.
Louisville KY, 40220

PHONE: (502) 895-5009
FAX: (502) 895-4005

PROJECT NAME: Bay Zinc

PROJECT NUMBER: 100-02

SUBMITTED: 07/17/04 12:00

REPORT DATE: 07/29/04 08:13 REPORT NUMBER: 4071901

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX
4071901-01	AOC 3-10 Depth 1 Foot Plus	07/16/2004	0915	Soil
4071901-02	AOC 3-11 Depth 1 Foot Plus	07/16/2004	0930	Soil
4071901-03	AOC 3-14 Depth 6" Plus	07/16/2004	0915	Soil
4071901-04	AOC 3-17 Depth 6" Plus	07/16/2004	1000	Soil
4071901-05	AOC 1-2 Depth 1 Foot Plus	07/16/2004	1545	Soil

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
4071901-01	**SAMPLE ID: AOC 3-10 Depth 1 Foot Plus**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	5.5	mg/L	0.005	BKB	07/23/2004 13:28
LEAD - ICP		LEAD	208	mg/L	0.009	BKB	07/23/2004 13:28
ZINC - ICP		ZINC	6800	mg/L	0.053	BKB	07/23/2004 13:28
4071901-02	**SAMPLE ID: AOC 3-11 Depth 1 Foot Plus**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	4.7	mg/L	0.003	BKB	07/23/2004 13:28
LEAD - ICP		LEAD	124	mg/L	0.005	BKB	07/23/2004 13:28
[illegible] ICP		ZINC	3700	mg/L	0.030	BKB	07/23/2004 13:28
4071901-03	**SAMPLE ID: AOC 3-14 Depth 6" Plus**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	4.8	mg/L	0.002	BKB	07/23/2004 13:28
LEAD - ICP		LEAD	184	mg/L	0.004	BKB	07/23/2004 13:28
ZINC - ICP		ZINC	7500	mg/L	0.022	BKB	07/23/2004 13:28
4071901-04	**SAMPLE ID: AOC 3-17 Depth 6" Plus**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	3.6	mg/L	0.004	BKB	07/23/2004 13:28
LEAD - ICP		LEAD	182	mg/L	0.006	BKB	07/23/2004 13:28
ZINC - ICP		ZINC	6300	mg/L	0.037	BKB	07/23/2004 13:28
4071901-05	**SAMPLE ID: AOC 1-2 Depth 1 Foot Plus**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	8.4	mg/L	0.005	BKB	07/23/2004 13:28
LEAD - ICP		LEAD	11.4	mg/L	0.009	BKB	07/23/2004 13:28
ZINC - ICP		ZINC	9300	mg/L	0.052	BKB	07/23/2004 13:28

COPY

Authorized for Release By:

Richard D. Reid - Laboratory Director

AOC-5

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Certificate of Analysis

Client: Linebach Funkhouser, Inc.
4059 Shelbyville Road
Louisville, KY 40207

Attn: Roy Funkhouser

Date Received: 5/16/2003
Date of Report: 5/20/2003

Project: Bay Zinc

Sample Identification:

Lab ID	Sample Description	Date and Time Received
103177-(01-06)	Misc. Soils; Cd, Pb and Zn	5/16/2003 10:15 AM

Comments:

Soil sample results reported on a dry-weight basis.

William R. Rice
Laboratory Director

Alliance Analytical Laboratories LLC

Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, Soil
Date Received: 5/16/2003
Date Completed: 5/20/2003
Date Reported: 5/20/2003

Lab Sample ID: 103177-(01-06)

Sample Results

Lab Sample ID	Sample ID/Desc	Analyte	Method	% Moisture	Result	Dup Result	RPD	Units	MDL
Method Blank		Cadmium	EPA 200.7		ND			mg/L	0.006
		Lead	EPA 200.7		ND			mg/L	0.2
		Zinc	EPA 200.7		0.021			mg/L	0.007
103177-01	AOC 5-16 NE QD	Cadmium	EPA 200.7	15.6	ND			mg/Kg	0.006
		Lead	EPA 200.7	15.6	132			mg/Kg	0.2
		Zinc	EPA 200.7	15.6	1990			mg/Kg	0.007
103177-02	AOC 5-17 NE QD	Cadmium	EPA 200.7	15.3	ND			mg/Kg	0.006
		Lead	EPA 200.7	15.3	30.3			mg/Kg	0.2
		Zinc	EPA 200.7	15.3	303			mg/Kg	0.007
103177-03	AOC 5-15 NE QD	Cadmium	EPA 200.7	15.3	ND			mg/Kg	0.006
		Lead	EPA 200.7	15.3	ND			mg/Kg	0.2
		Zinc	EPA 200.7	15.3	94.3			mg/Kg	0.007
103177-04	AOC 5-23 NE QD	Cadmium	EPA 200.7	16.4	ND	ND	NA	mg/Kg	0.006
		Lead	EPA 200.7	16.4	386	364	5.8	mg/Kg	0.2
		Zinc	EPA 200.7	16.4	7400	6990	5.7	mg/Kg	0.007
103177-05	AOC 5-22 NE QD	Cadmium	EPA 200.7	17.4	10.7			mg/Kg	0.006
		Lead	EPA 200.7	17.4	1261			mg/Kg	0.2
		Zinc	EPA 200.7	17.4	19200			mg/Kg	0.007
103177-06	AOC 5-24 NE QD	Cadmium	EPA 200.7	15.8	ND			mg/Kg	0.006
		Lead	EPA 200.7	15.8	341			mg/Kg	0.2
		Zinc	EPA 200.7	15.8	4990			mg/Kg	0.007

Alliance Analytical Laboratories LLC

Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, Soil
Date Received: 5/16/2003
Date Completed: 5/20/2003
Date Reported: 5/20/2003

Lab Sample ID: 103177-(01-06)

Quality Control Summary

Lab Sample ID	Analyte	Method	Sample Result	True Value	Result	Spike Conc	% Rec	Units	MDL
103177-01 MS	Cadmium	EPA 200.7	ND		0.79	0.9	87.5	mg/L	0.006
	Lead	EPA 200.7	1.59		2.45	0.9	96.2	mg/L	0.2
	Zinc	EPA 200.7	23.9		24.7	0.9	89.9	mg/L	0.007
IPC Stnd	Cadmium	EPA 200.7		2.0	1.90		95.0	mg/L	0.006
B ID 051903-200.7	Lead	EPA 200.7		2.0	1.99		99.4	mg/L	0.2
	Zinc	EPA 200.7		2.0	1.95		97.7	mg/L	0.007
CCS Stnd	Cadmium	EPA 200.7		1.5	1.46		97.1	mg/L	0.006
1903-200.7	Lead	EPA 200.7		1.5	1.52		101	mg/L	0.2
	Zinc	EPA 200.7		1.5	1.49		99.1	mg/L	0.007

THIS INFORMAT[illegible] FOR REPORTING/BILLING" (SEE BELOW)

CHAIN OF CUSTODY [illegible]RD

0523

WORK ORDER ID # 103177 (01-06)

PAGE 1 OF 1

Alliance Analytical Labora[illegible]ies LLC
401 East S Street • Yakima, WA 98901
509-469-2400 • Fax 509-469-9476

CLIENT: Linebach + Funkhouser

ADDRESS:

ATTENTION: Roy Funkhouser

PROJECT NAME:

PROJECT CONTACT: Bay Zinc

TELEPHONE: 502-895-5009 FAX:

JOB/P.O. NO.:

TESTS TO PERFORM

LAB SA#	SAMPLE ID / LOCATION	DATE	TIME	MATRIX: WATER, SOIL OR SPECIFY	NO. OF CONTAINERS	Cadmium	Lead	Zinc	TOTALS	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
01	AOC-5-16-NE Quad.	5-16	8:50			✓	✓	✓	2	TOTALS ONLY
02	AOC-5-17-NE Quad.	5/6	8:45			✓	✓	✓		
03	AOC-5-[illegible]-NE Quad.	5/6	8:57			✓	✓	✓		
04	AOC-5-[illegible]-NE Quad.	5-16	8:54			✓	✓	✓		
05	AOC-5-22-NE Quad.	5-16	9:00			✓	✓	✓		
06	AOC-5-24-NE Quad.	5-16	8:50			✓	✓	✓		

Sample Number: 103177[illegible]01-06

Client: Linebach Funkhouser, Inc.

Client Sample ID: AOC-5-16-NE Quad

Description: Soils Analysis

Location: Bay Zinc

A. A standard turnaround time is assumed unless otherwise marked. B. The laboratory may not be responsible for missed holding time for samples received with less than 50% of the analytical hold time remaining. Please contact the laboratory for further information.

INSTRUCTIONS

1. USE ONE LINE PER SAMPLE.
2. BE SPECIFIC IN TEST REQUESTS.
3. CHECK OFF TESTS TO BE PERFORMED FOR EACH SAMPLE.

BILLING INFORMATION, IF DIFFERENT THAN ABOVE

NAME ADDRESS

ATTN: CITY,STATE,ZIP

* RUSH TURNAROUND IS SUBJECT TO PRIOR LABORATORY APPROVAL

TOTAL NO. OF CONTAINERS: 6

TURNAROUND REQUEST

- ☐ STD. 10-14 WORKING DAYS
- ☐ 24-48 HRS. (100% SUR/CHG)
- ☐ 72 HRS. (75% SUR/CHG)
- ☒ 3-5 DAYS (50% SUR/CHG)
- ☐ OTHER
- ☐ TEMP.

CUSTODY SEAL ☐ Y ☐ N ☒ NA

RELINQUISHED BY (SIGN AND PRINT)	DATE / TIME	RECEIVED BY (SIGN AND PRINT)	DATE / TIME
Phillip Ward / Phillip Ward	5-16- 10:15	William R Rice / William R Rice	5/16/03 10:15

[illegible]iance charges and/or collection fees may be applied to delinquent accounts.

WT Final Report Copy • Yellow File Copy • Pink Client Copy

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Certificate of Analysis

Client: Linebach Funkhouser, Inc.
4059 Shelbyville Road
Louisville, KY 40207

Attn: Roy Funkhouser

Date Received: 5/28/2003
Date of Report: 5/31/2003

Project: Bay Zinc

Sample Identification:

Lab ID	Sample Description	Date and Time Received
103299-(01-03)	Misc. Soils; Cd, Pb and Zn	5/28/2003 11:30 AM

Comments:

Soil sample results reported on a dry-weight basis.

William R. Rice
Laboratory Director

Alliance Analytical Laboratories LLC

Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, Soil
Date Received: 5/28/2003
Date Completed: 5/30/2003
Date Reported: 5/31/2003

Lab Sample ID: 103299-(01-03)

Sample Results

Lab Sample ID	Sample ID/Desc	Analyte	Method	% Moisture	Result	Dup Result	RPD	Units	MDL
Method Blank		Cadmium	EPA 200.7		ND			mg/L	0.006
		Lead	EPA 200.7		ND			mg/L	0.2
		Zinc	EPA 200.7		0.011			mg/L	0.007
103299-01	AOC 5-22	Cadmium	EPA 200.7	18.7	2.26			mg/Kg	0.006
		Lead	EPA 200.7	18.7	86.7			mg/Kg	0.2
		Zinc	EPA 200.7	18.7	9286			mg/Kg	0.007
103299-02	AOC 5-23	Cadmium	EPA 200.7	18.7	ND	ND	NA	mg/Kg	0.006
		Lead	EPA 200.7	18.7	44.6	35.2	23.6	mg/Kg	0.2
		Zinc	EPA 200.7	18.7	479	457	4.6	mg/Kg	0.007
103299-03	AOC 5-24	Cadmium	EPA 200.7	17.6	ND			mg/Kg	0.006
		Lead	EPA 200.7	17.6	65.2			mg/Kg	0.2
		Zinc	EPA 200.7	17.6	1240			mg/Kg	0.007

Alliance Analytical Laboratories LLC

Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, Soil
Date Received: 5/28/2003
Date Completed: 5/30/2003
Date Reported: 5/31/2003

Lab Sample ID: 103299-(01-03)

Quality Control Summary

Lab Sample ID	Analyte	Method	Sample Result	True Value	Result	Spike Conc	% Rec	Units	MDL
103299-01 MS	Cadmium	EPA 200.7	0.024		0.86	1.0	83.8	mg/L	0.006
	Lead	EPA 200.7	0.92		1.78	1.0	85.7	mg/L	0.2
	Zinc	EPA 200.7	NA		NA	NA	NA	mg/L	0.007
IPC Stnd	Cadmium	EPA 200.7		2.0	1.90		94.8	mg/L	0.006
B ID 053003-200.7	Lead	EPA 200.7		2.0	1.97		98.3	mg/L	0.2
	Zinc	EPA 200.7		2.0	1.92		95.8	mg/L	0.007
CCC Stnd	Cadmium	EPA 200.7		1.5	1.45		96.8	mg/L	0.006
003-200.7	Lead	EPA 200.7		1.5	1.49		99.5	mg/L	0.2
	Zinc	EPA 200.7		1.5	1.46		97.2	mg/L	0.007

THIS INFORMATION IS FOR REPORTING/BILLING* (SEE BELOW)

CHAIN OF CUSTODY RECORD

0583

Alliance Analytical Laboratories LLC
401 East S Street • Yakima, WA 98901
509-469-2400 • Fax 509-469-9476

CLIENT: Lineback Funkhouser

ADDRESS:

ATTENTION:

PROJECT NAME: Bay Zinc

PROJECT CONTACT:

TELEPHONE: FAX:

JOB/P.O. NO.:

WORK ORDER ID # 103299-(01-03)

PAGE 1 OF 1

TESTS TO PERFORM

LAB SAM#	SAMPLE ID / LOCATION	DATE	TIME	MATRIX: WATER, SOIL OR SPECIFY	NO. OF CONTAINERS	Cadmium	Zinc	Lead	Metals Digest	2	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
1	AOC 5-22	5/28/03	1055			X	X	X	X		
2	AOC 5-23	5/28/03	1045			X	X	X	X		
3	AOC 5-24	5/28/03	1030			X	X	X	X		

Rush

A standard turnaround time is assumed unless otherwise marked. B. The laboratory may not be responsible for missed holding time for samples received with less than 50% of the analytical hold time remaining. Please contact the laboratory for further information.

INSTRUCTIONS

1. USE ONE LINE PER SAMPLE
2. BE SPECIFIC IN TEST REQUESTS
3. CHECK OFF TESTS TO BE PERFORMED FOR EACH SAMPLE

BILLING INFORMATION, IF DIFFERENT THAN ABOVE

NAME ADDRESS

ATTN: CITY,STATE,ZIP

* RUSH TURNAROUND IS SUBJECT TO PRIOR LABORATORY APPROVAL

3 TOTAL NO. OF CONTAINERS

TURNAROUND REQUEST

- ☐ STD. 10-14 WORKING DAYS
- ☐ 24-48 HRS. (100% SUR CHG)
- ☐ 72 HRS. (75% SUR CHG)
- ☒ 5 DAYS (50% SUR CHG)
- ☐ OTHER
- ☐ TEMP°

CUSTODY SEAL ☐ Y ☐ N ☒ N/A

RELINQUISHED BY (SIGN AND PRINT)	DATE / TIME	RECEIVED BY (SIGN AND PRINT)	DATE / TIME
Mike Connor / MIKE CONNOR	5-28-03 11:30 a.m.	Marcia Chandler / Marcia E. Chandler	5/28/03 1130

ance charges and/or collection fees may be applied to delinquent accounts.

WT Final Report Copy • Yellow File Copy • Pink Client Copy

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Certificate of Analysis

Client: Linebach Funkhouser, Inc.
4059 Shelbyville Road
Louisville, KY 40207

Attn: Roy Funkhouser

Date Received: 4/29/2003
Date of Report: 5/1/2003

Project: Bay Zinc

Sample Identification:

Lab ID	Sample Description	Date and Time Received
102901-(01-10)	Misc. Soils; Cd, Pb and Zn	4/29/2003 8:05 AM

Comments:

Soil sample results reported on a dry-weight basis.

William R. Rice
Laboratory Director

Alliance Analytical Laboratories LLC

Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, Soil
Date Received: 4/29/2003
Date Completed: 4/30/2003
Date Reported: 5/1/2003

Lab Sample ID: 102901-(01-10)

Sample Results

Lab Sample ID	Sample ID/Desc	Analyte	Method	% Moisture	Result	Dup Result	RPD	Units	MDL
Method Blank		Cadmium	EPA 200.7		ND			mg/L	0.006
		Lead	EPA 200.7		ND			mg/L	0.2
		Zinc	EPA 200.7		0.11			mg/L	0.007
102901-01	AOC 5-9	Cadmium	EPA 200.7	17.6	ND			mg/Kg	0.006
		Lead	EPA 200.7	17.6	29.1			mg/Kg	0.2
		Zinc	EPA 200.7	17.6	219			mg/Kg	0.007
102901-02	AOC 5-10	Cadmium	EPA 200.7	17.5	81.8			mg/Kg	0.006
		Lead	EPA 200.7	17.5	1855			mg/Kg	0.2
		Zinc	EPA 200.7	17.5	16629			mg/Kg	0.007
102901-03	AOC 5-4	Cadmium	EPA 200.7	17.7	12.5			mg/Kg	0.006
		Lead	EPA 200.7	17.7	253			mg/Kg	0.2
		Zinc	EPA 200.7	17.7	5139			mg/Kg	0.007
102901-04	AOC 5-11	Cadmium	EPA 200.7	16.7	21.1			mg/Kg	0.006
		Lead	EPA 200.7	16.7	1759			mg/Kg	0.2
		Zinc	EPA 200.7	16.7	12027			mg/Kg	0.007
102901-05	AOC 5-1	Cadmium	EPA 200.7	17.7	0.59			mg/Kg	0.006
		Lead	EPA 200.7	17.7	87.7			mg/Kg	0.2
		Zinc	EPA 200.7	17.7	8697			mg/Kg	0.007
102901-06	AOC 5-7 6 inch	Cadmium	EPA 200.7	21.7	16.2			mg/Kg	0.006
		Lead	EPA 200.7	21.7	258			mg/Kg	0.2
		Zinc	EPA 200.7	21.7	25450			mg/Kg	0.007
102901-07	AOC 5-2	Cadmium	EPA 200.7	16.7	ND			mg/Kg	0.006
		Lead	EPA 200.7	16.7	69.1			mg/Kg	0.2
		Zinc	EPA 200.7	16.7	5624			mg/Kg	0.007
102901-08	AOC 5-5 6 inch	Cadmium	EPA 200.7	18.4	32.0	33.7	5.3	mg/Kg	0.006
		Lead	EPA 200.7	18.4	836	839	0.4	mg/Kg	0.2
		Zinc	EPA 200.7	18.4	17107	17398	1.7	mg/Kg	0.007
102901-09	AOC 5-3	Cadmium	EPA 200.7	18.9	ND			mg/Kg	0.006
		Lead	EPA 200.7	18.9	21.5			mg/Kg	0.2
		Zinc	EPA 200.7	18.9	265			mg/Kg	0.007

Alliance Analytical Laboratories LLC

Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, Soil
Date Received: 4/29/2003
Date Completed: 4/30/2003
Date Reported: 5/1/2003

Lab Sample ID: 102901-(01-10)

Sample Results

Lab Sample ID	Sample ID/Desc	Analyte	Method	% Moisture	Result	Dup Result	RPD	Units	MDL
102901-10	AOC 5-8 6 inch	Cadmium	EPA 200.7	20.8	ND			mg/Kg	0.006
		Lead	EPA 200.7	20.8	15.0			mg/Kg	0.2
		Zinc	EPA 200.7	20.8	6461			mg/Kg	0.007

Alliance Analytical Laboratories LLC

Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, Soil
Date Received: 4/29/2003
Date Completed: 4/30/2003
Date Reported: 5/1/2003

Lab Sample ID: 102901-(01-10)

Quality Control Summary

Lab Sample ID	Analyte	Method	Sample Result	True Value	Result	Spike Conc	% Rec	Units	MDL
102901 MS	Cadmium	EPA 200.7	ND		0.80	1.0	79.6	mg/L	0.006
	Lead	EPA 200.7	0.33		1.26	1.0	93.1	mg/L	0.2
	Zinc	EPA 200.7	2.50		3.47	1.0	96.7	mg/L	0.007
IPC Stnd	Cadmium	EPA 200.7		2.0	1.84		91.9	mg/L	0.006
B ID 043003-200.7	Lead	EPA 200.7		2.0	2.02		101	mg/L	0.2
	Zinc	EPA 200.7		2.0	1.92		96.0	mg/L	0.007
CCS Stnd	Cadmium	EPA 200.7		1.5	1.42		94.5	mg/L	0.006
3003-200.7	Lead	EPA 200.7		1.5	1.55		103	mg/L	0.2
	Zinc	EPA 200.7		1.5	1.49		99.1	mg/L	0.007

THIS INFORMATION FOR REPORTING/BILLING* (SEE BELOW)

CLIENT: LFI (Linebach Funkhouser)

ADDRESS: 4059 Shelbyville Rd
Louisville, Ky 40207

ATTENTION: Roy Funkhouser

PROJECT NAME: Bay Zinc

PROJECT CONTACT: Greg Mitch

TELEPHONE: 502-895-5009 FAX: 502-895-4005

JOB/P.O. NO.: 100-02 CELL 502-376 6463

CHAIN OF CUSTODY RECORD

0579

WORK ORDER ID # 102901-(01-10)

PAGE 1 OF 1

Alliance Analytical Laboratories LLC

401 East S Street • Yakima, WA 98901
509-469-2400 • Fax 509-469-9476

Sample Number: 102901-01/10
Client: Linebach Funkhouser, Inc.
Client Sample ID: ~~AOC 5-9~~ MISC
Description: Soil
Location: Bay Zinc

TESTS TO PERFORM

LAB SA#	SAMPLE ID / LOCATION	DATE	TIME	MATRIX: WATER, SOIL OR SPECIFY	NO. OF CONTAINERS	Total Pb	Total Zn	Total Cd	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
1	AOC 5-9	4-28	1515	Soil	1	X	X	X	CALL RESULTS
2	AOC 5-10	4-28	1600		1				TO BARRY
3	AOC 5-4	4-28	1615		1				& BAXTER
4	AOC 5-11	4-28	1655		1				
5	AOC 5-E	4-28	1700		1				→ HOLD
6	AOC 5-2 5-1	4-28	1715		1				
7	AOC 5-8 6in	4-28	1730		1				
8	AOC 5-3 5-2	4-28	1725		1				
9	AOC 5-7 6in	4-28	1735		1				→ X HOLD
10	AOC 5-5 6in	4-29	920		1				
11	AOC 5-3	4-29	16:00						
12	AOC 5-8 6in	4-29	1615						

A. A standard turnaround time is assumed unless otherwise marked. B. The laboratory may not be responsible for missed holding time for samples received with less than 50% of the analytical hold time remaining. Please contact the laboratory for further information.

INSTRUCTIONS
1) USE ONE LINE PER SAMPLE
2) BE SPECIFIC IN TEST REQUESTS
3) CHECK OFF TESTS TO BE PERFORMED FOR EACH SAMPLE

***BILLING INFORMATION, IF DIFFERENT THAN ABOVE**
NAME
ADDRESS
ATTN:
CITY,STATE,ZIP

*** RUSH TURNAROUND IS SUBJECT TO PRIOR LABORATORY APPROVAL**

TOTAL NO. OF CONTAINERS: 10

TURNAROUND REQUEST
- [ ] STD. 10-14 WORKING DAYS
- [x] 24-48 HRS. (100% SUR/CHG)
- [ ] 72 HRS. (75% SUR/CHG)
- [ ] 3-5 DAYS (50% SUR/CHG)
- [ ] OTHER
- [ ] TEMP

CUSTODY SEAL ☐ Y ☐ N

RELINQUISHED BY (SIGN AND PRINT)	DATE / TIME	RECEIVED BY (SIGN AND PRINT)	DATE / TIME
[signature] / Barry Poling	4-29 815	[signature] / William Rice	4-29-05 8:05

Finance charges and/or collection fees may be applied to delinquent accounts.

WT Final Report Copy • Yellow File Copy • Pink Client Copy

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Certificate of Analysis

Client: Linebach Funkhouser, Inc.
4059 Shelbyville Road
Louisville, KY 40207

Attn: Roy Funkhouser

Date Received: 5/1/2003
Date of Report: 5/8/2003

Project: Bay Zinc

Sample Identification:

Lab ID	Sample Description	Date and Time Received
102960-(01-11)	Misc. Soils; Cd, Pb and Zn	5/1/2003 4:10 PM
102960-12	Rinsate; Cd, Pb, and Zn	5/5/2003 4:10 PM

Comments:

Soil sample results reported on a dry-weight basis.

William R. Rice
Laboratory Director

Alliance Analytical Laboratories LLC

Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, Soil, Water
Date Received: 5/1/2003
Date Completed: 5/6/2003
Date Reported: 5/8/2003

Lab Sample ID: 102960-(01-12)

Sample Results

Lab Sample ID	Sample ID/Desc	Analyte	Method	% Moisture	Result	Dup Result	RPD	Units	MDL
Method Blank		Cadmium	EPA 200.7		ND			mg/L	0.006
		Lead	EPA 200.7		ND			mg/L	0.2
		Zinc	EPA 200.7		0.047			mg/L	0.007
102960-01	AOC 5-10 12"	Cadmium	EPA 200.7	13.6	ND			mg/Kg	0.006
		Lead	EPA 200.7	13.6	ND			mg/Kg	0.2
		Zinc	EPA 200.7	13.6	573			mg/Kg	0.007
102960-02	AOC 5-11 12"	Cadmium	EPA 200.7	12.0	ND			mg/Kg	0.006
		Lead	EPA 200.7	12.0	ND			mg/Kg	0.2
		Zinc	EPA 200.7	12.0	84.5			mg/Kg	0.007
102960-03	AOC 5-10 18"	Cadmium	EPA 200.7	16.0	ND			mg/Kg	0.006
		Lead	EPA 200.7	16.0	ND			mg/Kg	0.2
		Zinc	EPA 200.7	16.0	712			mg/Kg	0.007
102960-04	AOC 5-11 18"	Cadmium	EPA 200.7	16.4	ND	ND	NA	mg/Kg	0.006
		Lead	EPA 200.7	16.4	ND	ND	NA	mg/Kg	0.2
		Zinc	EPA 200.7	16.4	216	222	3.1	mg/Kg	0.007
102960-05	AOC 5-4 12"	Cadmium	EPA 200.7	14.7	ND			mg/Kg	0.006
		Lead	EPA 200.7	14.7	16.8			mg/Kg	0.2
		Zinc	EPA 200.7	14.7	777			mg/Kg	0.007
102960-06	AOC 5-4 18"	Cadmium	EPA 200.7	16.2	ND			mg/Kg	0.006
		Lead	EPA 200.7	16.2	ND			mg/Kg	0.2
		Zinc	EPA 200.7	16.2	1005			mg/Kg	0.007
102960-07	AOC 5-5 12"	Cadmium	EPA 200.7	12.0	ND			mg/Kg	0.006
		Lead	EPA 200.7	12.0	ND			mg/Kg	0.2
		Zinc	EPA 200.7	12.0	64.6			mg/Kg	0.007
102960-08	AOC 5-5 18"	Cadmium	EPA 200.7	16.3	ND			mg/Kg	0.006
		Lead	EPA 200.7	16.3	ND			mg/Kg	0.2
		Zinc	EPA 200.7	16.3	67.5			mg/Kg	0.007
102960-09	AOC 5-7 12"	Cadmium	EPA 200.7	14.2	ND	ND	NA	mg/Kg	0.006
		Lead	EPA 200.7	14.2	ND	ND	NA	mg/Kg	0.2
		Zinc	EPA 200.7	14.2	146	164	11.6	mg/Kg	0.007

Alliance Analytical Laboratories LLC

Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, Soil, Water
Date Received: 5/1/2003
Date Completed: 5/6/2003
Date Reported: 5/8/2003

Lab Sample ID: 102960-(01-12)

Sample Results

Lab Sample ID	Sample ID/Desc	Analyte	Method	% Moisture	Result	Dup Result	RPD	Units	MDL
102960-10	AOC 5-7 18"	Cadmium	EPA 200.7	16.8	ND			mg/Kg	0.006
		Lead	EPA 200.7	16.8	ND			mg/Kg	0.2
		Zinc	EPA 200.7	16.8	314			mg/Kg	0.007
102960-11	AOC 5-7-A	Cadmium	EPA 200.7	12.7	ND			mg/Kg	0.006
		Lead	EPA 200.7	12.7	ND			mg/Kg	0.2
		Zinc	EPA 200.7	12.7	69.0			mg/Kg	0.007
102960-12	Equip Rinsate	Cadmium	EPA 200.7		ND			mg/L	0.006
		Lead	EPA 200.7		ND			mg/L	0.2
		Zinc	EPA 200.7		ND			mg/L	0.007

Alliance Analytical Laboratories LLC

Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, Soil, Water
Date Received: 5/1/2003
Date Completed: 5/6/2003
Date Reported: 5/8/2003

Lab Sample ID: 102960-(01-12)

Quality Control Summary

Lab Sample ID	Analyte	Method	Sample Result	True Value	Result	Spike Conc	% Rec	Units	MDL
102960-03 MS	Cadmium	EPA 200.7	ND		0.93	1.0	92.9	mg/L	0.006
	Lead	EPA 200.7	ND		1.10	1.0	110.2	mg/L	0.2
	Zinc	EPA 200.7	8.54		9.52	1.0	97.9	mg/L	0.007
IPC Stnd	Cadmium	EPA 200.7		2.0	1.87		93.7	mg/L	0.006
B ID 050603-200.7	Lead	EPA 200.7		2.0	1.98		99.1	mg/L	0.2
	Zinc	EPA 200.7		2.0	1.90		95.2	mg/L	0.007
CCS Stnd	Cadmium	EPA 200.7		1.5	1.50		99.9	mg/L	0.006
603-200.7	Lead	EPA 200.7		1.5	1.50		100	mg/L	0.2
	Zinc	EPA 200.7		1.5	1.45		96.4	mg/L	0.007

THIS INFORMAT[illegible]E FOR REPORTING/BILLING* (SEE BELOW)

CHAIN OF CUSTODY [illegible]RD

0582

Alliance Analytical Labora[illegible]ies LLC
401 East S Street • Yakima, WA 98901
509-469-2400 • Fax 509-469-9476

CLIENT: LFI (Linebach Funkhouser)
ADDRESS: 4059 Shelbyville Rd
Louisville, Ky 40207
ATTENTION: Ray Funkhouser
PROJECT NAME: Bay Zinc
PROJECT CONTACT: Barry Poling
TELEPHONE: 502-895-5009 FAX: 502-895-4015
JOB/P.O. NO.: 100-02

WORK ORDER ID # 102960-01(12)

PAGE 1 OF 1

TESTS TO PERFORM

LAB SA#	SAMPLE ID / LOCATION	DATE	TIME	MATRIX: WATER, SOIL OR SPECIFY	NO. OF CONTAINERS	Total Pb	Total Cd	Total Zn	2	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
1	AOC 5-10-12in	5-1-03	1315	Soil	1	X	X	X		
2	AOC 5-11-12in		1326							
3	AOC 5-10-18in		1340							
4	AOC 5-11-18in		1350							
5	AOC 5-4-12in		1640							
6	AOC 5-4-18in		1645							
7	AOC 5-5-12in		1355							
8	AOC 5-5-18in		1410							
9	AOC 5-7-12in		1500							
10	AOC 5-7-18in		1510							
11	AOC 5-7-A		1510	X						
12	Equip Blank		1515	H2O	X					

Sample Number: 102960-01(12)
Client: Linebach Funkhouser, Inc.
Client Sample ID: AOC 5-10-12 in
Description: Soil
Location: Bay Zinc

A. A standard turnaround time is assumed unless otherwise marked. B. The laboratory may not be responsible for missed holding time for samples received with less than 50% of the analytical hold time remaining. Please contact the laboratory for further information.

INSTRUCTIONS
1. USE ONE LINE PER SAMPLE
2. BE SPECIFIC IN TEST REQUESTS
3. CHECK OFF TESTS TO BE PERFORMED FOR EACH SAMPLE

*** BILLING INFORMATION, IF DIFFERENT THAN ABOVE**
NAME ADDRESS
ATTN: CITY,STATE,ZIP

*** RUSH TURNAROUND IS SUBJECT TO PRIOR LABORATORY APPROVAL**

TOTAL NO. OF CONTAINERS

TURNAROUND REQUEST
- [X] STD. 10-14 WORKING DAYS
- [ ] * 24-48 HRS. (100% SUR/CHG)
- [ ] * 72 HRS. (75% SUR/CHG)
- [ ] * 5 DAYS (50% SUR/CHG)
- [ ] OTHER
- [ ] TEMP

*CUSTODY SEAL [ ] Y [ ] N [X] NA

RELINQUISHED BY (SIGN AND PRINT)	DATE / TIME	RECEIVED BY (SIGN AND PRINT)	DATE / TIME
Barry Poling	5-1-03 1607	Natalie Bennett	5/1/03 4:10 PM

*Finance charges and/or collection fees may be applied to delinquent accounts.

WT Final Report Copy • Yellow File Copy • Pink Client Copy

CERTIFICATE OF ANALYSIS

CLIENT: Linebach Funkhouser Inc.
4059 Shelbyville Rd.
Louisville KY, 40220
ATTN: Roy Funkhouser

PHONE: (502) 895-5009
FAX: (502) 895-4005

PROJECT NAME: Bay Zinc
PROJECT NUMBER: 100-02
SUBMITTED: 11/05/03 07:37

REPORT DATE: 11/21/03 10:58 REPORT NUMBER: 3110501

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX
3110501-01	AOC-5-7 Surface	11/04/2003	1153	Soil
3110501-02	AOC-5-7 1'	11/04/2003	1154	Soil
3110501-03	AOC-5-7 2'	11/04/2003	1155	Soil
3110501-04	AOC-5-8 Surface	11/04/2003	1150	Soil
3110501-05	AOC-5-8 1'	11/04/2003	1151	Soil
3110501-06	AOC-5-8 2'	11/04/2003	1152	Soil
3110501-07	AOC-5-11 Surface	11/04/2003	1110	Soil
3110501-08	AOC-5-11 1'	11/04/2003	1112	Soil
3110501-09	AOC-5-11 2'	11/04/2003	1115	Soil
3110501-10	AOC-5-12 Surface	11/04/2003	1123	Soil
3110501-11	AOC-5-12 1'	11/04/2003	1124	Soil
3110501-12	AOC-5-12 2'	11/04/2003	1125	Soil
3110501-13	AOC-5-13 Surface	11/04/2003	1208	Soil
3110501-14	AOC-5-13 1'	11/04/2003	1209	Soil
3110501-15	AOC-5-13 2'	11/04/2003	1210	Soil
3110501-16	AOC-5-14 Surface	11/04/2003	1119	Soil
3110501-17	AOC-5-14 1'	11/04/2003	1120	Soil
3110501-18	AOC-5-14 2'	11/04/2003	1121	Soil
3110501-19	AOC-5-15 Surface	11/04/2003	1100	Soil
3110501-20	AOC-5-15 1'	11/04/2003	1103	Soil
3110501-21	AOC-5-15 2'	11/04/2003	1102	Soil
3110501-22	AOC-5-19 Surface	11/04/2003	1130	Soil
3110501-23	AOC-5-19 1'	11/04/2003	1131	Soil
3110501-24	AOC-5-19 2'	11/04/2003	1132	Soil

ORIGINAL

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
3110501-01	**SAMPLE ID: AOC-5-7 Surface**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	5.01	mg/kg	0.108	BKB	11/21/2003 09:04
LEAD - ICP		LEAD	263	mg/kg	2.16	BKB	11/21/2003 09:04
ZINC - ICP		ZINC	6020	mg/kg	0.432	BKB	11/21/2003 09:04
3110501-02	**SAMPLE ID: AOC-5-7 1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	6.30	mg/kg	0.104	BKB	11/21/2003 09:04
LEAD - ICP		LEAD	481	mg/kg	2.08	BKB	11/21/2003 09:04
ZINC - ICP		ZINC	6020	mg/kg	0.416	BKB	11/21/2003 09:04
3110501-03	**SAMPLE ID: AOC-5-7 2'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	10.3	mg/kg	0.100	BKB	11/21/2003 09:04
LEAD - ICP		LEAD	812	mg/kg	1.99	BKB	11/21/2003 09:04
ZINC - ICP		ZINC	6640	mg/kg	0.399	BKB	11/21/2003 09:04
3110501-04	**SAMPLE ID: AOC-5-8 Surface**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	13.6	mg/kg	0.106	BKB	11/21/2003 09:04

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SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
3110501-04	**SAMPLE ID: AOC-5-8 Surface**						
Total Metals by Inductively Coupled Plasma							
LEAD - ICP	EPA 200.7/6010B	LEAD	1030	mg/kg	2.12	BKB	11/21/2003 09:04
ZINC - ICP		ZINC	10700	mg/kg	0.424	BKB	11/21/2003 09:04
3110501-05	**SAMPLE ID: AOC-5-8 1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	7.16	mg/kg	0.102	BKB	11/21/2003 09:04
LEAD - ICP		LEAD	590	mg/kg	2.04	BKB	11/21/2003 09:04
ZINC - ICP		ZINC	9150	mg/kg	0.408	BKB	11/21/2003 09:04
3110501-06	**SAMPLE ID: AOC-5-8 2'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	32.0	mg/kg	0.087	BKB	11/21/2003 09:04
LEAD - ICP		LEAD	5340	mg/kg	1.73	BKB	11/21/2003 09:04
ZINC - ICP		ZINC	14900	mg/kg	0.347	BKB	11/21/2003 09:04
3110501-07	**SAMPLE ID: AOC-5-11 Surface**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	7.52	mg/kg	0.106	BKB	11/21/2003 09:04
LEAD - ICP		LEAD	583	mg/kg	2.12	BKB	11/21/2003 09:04
ZINC - ICP		ZINC	4760	mg/kg	0.424	BKB	11/21/2003 09:04
3110501-08	**SAMPLE ID: AOC-5-11 1'**						
Total Metals by Inductively Coupled Plasma							
[illegible]UM - ICP	EPA 200.7/6010B	CADMIUM	16.8	mg/kg	0.093	BKB	11/21/2003 09:04
[illegible]AD - ICP		LEAD	861	mg/kg	1.87	BKB	11/21/2003 09:04
ZINC - ICP		ZINC	4800	mg/kg	0.373	BKB	11/21/2003 09:04
3110501-09	**SAMPLE ID: AOC-5-11 2'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	40.7	mg/kg	0.102	BKB	11/21/2003 09:04
LEAD - ICP		LEAD	2080	mg/kg	2.05	BKB	11/21/2003 09:04
ZINC - ICP		ZINC	10000	mg/kg	0.410	BKB	11/21/2003 09:04
3110501-10	**SAMPLE ID: AOC-5-12 Surface**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.673	mg/kg	0.104	BKB	11/21/2003 09:04
LEAD - ICP		LEAD	2310	mg/kg	2.07	BKB	11/21/2003 09:04
ZINC - ICP		ZINC	13600	mg/kg	0.414	BKB	11/21/2003 09:04
3110501-11	**SAMPLE ID: AOC-5-12 1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	43.3	mg/kg	0.098	BKB	11/21/2003 09:04
LEAD - ICP		LEAD	2580	mg/kg	1.96	BKB	11/21/2003 09:04
ZINC - ICP		ZINC	17300	mg/kg	0.392	BKB	11/21/2003 09:04
3110501-12	**SAMPLE ID: AOC-5-12 2'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	39.3	mg/kg	0.099	BKB	11/21/2003 09:04
LEAD - ICP		LEAD	1880	mg/kg	1.97	BKB	11/21/2003 09:04
ZINC - ICP		ZINC	17900	mg/kg	0.395	BKB	11/21/2003 09:04

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SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
3110501-13	**SAMPLE ID: AOC-5-13 Surface**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	8.75	mg/kg	0.100	BKB	11/21/2003 09:04
LEAD - ICP		LEAD	581	mg/kg	2.00	BKB	11/21/2003 09:04
ZINC - ICP		ZINC	10500	mg/kg	0.400	BKB	11/21/2003 09:04
3110501-14	**SAMPLE ID: AOC-5-13 1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	6.02	mg/kg	0.101	BKB	11/21/2003 09:04
LEAD - ICP		LEAD	563	mg/kg	2.02	BKB	11/21/2003 09:04
ZINC - ICP		ZINC	7580	mg/kg	0.403	BKB	11/21/2003 09:04
3110501-15	**SAMPLE ID: AOC-5-13 2'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	8.49	mg/kg	0.102	BKB	11/21/2003 09:04
LEAD - ICP		LEAD	949	mg/kg	2.04	BKB	11/21/2003 09:04
ZINC - ICP		ZINC	6500	mg/kg	0.408	BKB	11/21/2003 09:04
3110501-16	**SAMPLE ID: AOC-5-14 Surface**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	12.6	mg/kg	0.102	BKB	11/21/2003 09:04
LEAD - ICP		LEAD	1440	mg/kg	2.04	BKB	11/21/2003 09:04
ZINC - ICP		ZINC	13900	mg/kg	0.409	BKB	11/21/2003 09:04
3110501-17	**SAMPLE ID: AOC-5-14 1'**						
Metals by Inductively Coupled Plasma							
UM - ICP	EPA 200.7/6010B	CADMIUM	20.7	mg/kg	0.095	BKB	11/21/2003 09:04
LEAD - ICP		LEAD	2810	mg/kg	1.89	BKB	11/21/2003 09:04
ZINC - ICP		ZINC	11300	mg/kg	0.378	BKB	11/21/2003 09:04
3110501-18	**SAMPLE ID: AOC-5-14 2'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	17.9	mg/kg	0.094	BKB	11/21/2003 09:04
LEAD - ICP		LEAD	1710	mg/kg	1.88	BKB	11/21/2003 09:04
ZINC - ICP		ZINC	7890	mg/kg	0.376	BKB	11/21/2003 09:04
3110501-19	**SAMPLE ID: AOC-5-15 Surface**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	21.9	mg/kg	0.098	BKB	11/21/2003 09:04
LEAD - ICP		LEAD	2160	mg/kg	1.95	BKB	11/21/2003 09:04
ZINC - ICP		ZINC	15500	mg/kg	0.390	BKB	11/21/2003 09:04
3110501-20	**SAMPLE ID: AOC-5-15 1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	22.1	mg/kg	0.085	BKB	11/21/2003 09:04
LEAD - ICP		LEAD	3170	mg/kg	1.70	BKB	11/21/2003 09:04
ZINC - ICP		ZINC	19300	mg/kg	0.340	BKB	11/21/2003 09:04
3110501-21	**SAMPLE ID: AOC-5-15 2'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	18.6	mg/kg	0.106	BKB	11/21/2003 09:04
LEAD - ICP		LEAD	2920	mg/kg	2.12	BKB	11/21/2003 09:04
ZINC - ICP		ZINC	18100	mg/kg	0.425	BKB	11/21/2003 09:04

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SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
3110501-21	**SAMPLE ID: AOC-5-15 2'**						
Total Metals by Inductively Coupled Plasma							
3110501-22	**SAMPLE ID: AOC-5-19 Surface**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	36.7	mg/kg	0.087	BKB	11/21/2003 09:04
LEAD - ICP		LEAD	2270	mg/kg	1.75	BKB	11/21/2003 09:04
ZINC - ICP		ZINC	13800	mg/kg	0.350	BKB	11/21/2003 09:04
3110501-23	**SAMPLE ID: AOC-5-19 1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	27.1	mg/kg	0.103	BKB	11/21/2003 09:04
LEAD - ICP		LEAD	1830	mg/kg	2.07	BKB	11/21/2003 09:04
ZINC - ICP		ZINC	10100	mg/kg	0.413	BKB	11/21/2003 09:04
3110501-24	**SAMPLE ID: AOC-5-19 2'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	34.9	mg/kg	0.107	BKB	11/21/2003 09:04
LEAD - ICP		LEAD	1760	mg/kg	2.14	BKB	11/21/2003 09:04
ZINC - ICP		ZINC	9970	mg/kg	0.427	BKB	11/21/2003 09:04

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☐ 797 Channel Street, San Pedro, CA 90731 — Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name:	LINKBACH FUNKHOUSER
Attention:	BRADLEY COYLE
Address:	4059 Steilacoom Rd.
Phone:	502-895-5009
Fax:	502-895-4205
Sampler:	BRADLEY COYLE ☒ Submitted

Project Name:	BAY ZINC
Project Number:	100-02
P.O. Number:	100402
Testing Priority	Notification Method(s)
☒ Normal	☐ Telephone
☐ Rush	☐ Email
Due Date:	☒ Mail

Sample id#	Sample Description/UN Number		Sample Matrix	Sample Date	Sample Time	Analysis To Be Performed: Pb	Cd	Zn
	AOC-5-7	Surface	Soil	11/04	1153	X	X	X
	AOC-5-7	1'	Soil	11/04	1154			
	AOC-5-7	2'	Soil	11/04	1155			
	AOC-5-8	Surface	Soil	11/04	1150			
	AOC-5-8	1'	Soil	11/04	1151			
	AOC-5-8	2'	Soil	11/04	1152			
	AOC-5-11	Surface	Soil	11/04	1110			
	AOC-5-11	1'	Soil	11/04	1112			
	AOC-5-11	2'	Soil	11/04	1115			
	AOC-5-12	Surface	Soil	11/04	1123			
	AOC-5-12	1'	Soil	11/04	1124			
	AOC-5-12	2'	Soil	11/04	1125			
	AOC-5-13	Surface	Soil	11/04	1208			
	AOC-5-13	1'	Soil	11/04	1209			
	AOC-5-13	2'	Soil	11/04	1210			

Relinquished By:	Date/Time	Received By:	Date/Time
Bradley L. Coyle	11/04/03 1400		
Relinquished By:	Date/Time	Received By:	Date/Time
			11/5/03 0715

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Laboratory Project Number: 3110501 Cash/check # _____
Due Date: _____ Amount Paid: $ _____

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☐ 797 Channel Street, San Pedro, CA 90731 — Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name:	LANDBACH FURKHOUSER
Attention:	BRADLEY COYLE
Address:	4059 Shelbyville Rd.
Phone:	502-895-5000
Fax:	502-895-1005
Sampler:	BRAD COYLE ☒ Submitted

Project Name:	BAY 25 UC
Project Number:	100-02
P.O. Number:	100-02
Testing Priority	Notification Method(s)
☒ Normal	☐ Telephone
☐ Rush	☐ Email
Due Date:	☒ Mail

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analysis To Be Performed: PD	Cd	ZC
	ADC-5-14 Surface	Soil	11/04	1119	X	X	X
	ADC-5-14 1'	Soil	11/04	1120			
	ADC-5-14 2'	Soil	11/04	1121			
	ADC-5-15 Surface	Soil	11/04	1100			
	ADC-5-15 1'	Soil	11/04	1103			
	ADC-5-15 2'	Soil	11/04	1102			
	ADC-5-19 Surface	Soil	11/04	1130			
	ADC-5-19 1'	Soil	11/04	1131			
	ADC-5-19 2'	Soil	11/04	1132			

Relinquished By: Brad L. Coyle	Date/Time 11/04/03 1400	Received By:	Date/Time
Relinquished By:	Date/Time	Received By:	Date/Time 11/5 0715

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Inspection Job Number: _____ PO# _____
Laboratory Project Number: 3110501 Cash/check # _____
Due Date: _____ Amount Paid: $ _____

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REPORT DATE: 07/08/04 15:37 REPORT NUMBER: 4070205 PAGE: 2 OF 2

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
4070205-07	**SAMPLE ID: AOC 3-13 Depth 1 Foot**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	6.41	mg/kg	0.066	BKB	07/08/2004 08:38
LEAD - ICP		LEAD	197	mg/kg	0.0661	BKB	07/08/2004 08:38
ZINC - ICP		ZINC	5440	mg/kg	0.132	BKB	07/08/2004 08:38
4070205-08	**SAMPLE ID: AOC-5-18 Depth 2 Feet**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	232	mg/kg	0.100	BKB	07/08/2004 08:38
LEAD - ICP		LEAD	7190	mg/kg	9.99	BKB	07/08/2004 08:38
ZINC - ICP		ZINC	246000	mg/kg	4.00	BKB	07/08/2004 08:38
4070205-09	**SAMPLE ID: AOC-5-19 Depth 2 Feet**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	52.6	mg/kg	0.050	BKB	07/08/2004 08:38
LEAD - ICP		LEAD	3970	mg/kg	0.500	BKB	07/08/2004 08:38
ZINC - ICP		ZINC	29300	mg/kg	0.400	BKB	07/08/2004 08:38
4070205-10	**SAMPLE ID: AOC-5-20 Depth 2 Feet**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	57.1	mg/kg	0.098	BKB	07/08/2004 08:38
LEAD - ICP		LEAD	4990	mg/kg	0.977	BKB	07/08/2004 08:38
ZINC - ICP		ZINC	30000	mg/kg	0.391	BKB	07/08/2004 08:38
4070205-11	**SAMPLE ID: AOC-5-21 Depth 2 Feet**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	4.91	mg/kg	0.059	BKB	07/08/2004 08:38
LEAD - ICP		LEAD	224	mg/kg	0.0586	BKB	07/08/2004 08:38
ZINC - ICP		ZINC	1520	mg/kg	0.023	BKB	07/08/2004 08:38
4070205-12	**SAMPLE ID: MW-1 Wellpad South 15 Feet**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	5440	mg/kg	0.100	BKB	07/08/2004 08:38

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☐ 797 Channel Street, San Pedro, CA 90731 — Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name:	Lonbeach Funkhouser, Inc.
Attention:	Roy Funkhouser
Address:	9059 Shelbyville Road Louisville, KY 40207
Phone:	502-895-5009
Fax:	502-895-4005
Sampler:	Roy V. Funkhouser ☐ Submitted

Project Name:	Bay Zinc
Project Number:	100-02
P.O. Number:	
Turning Priority	Notification Method(s)
☒ Normal	☐ Telephone
☐ Rush	☒ Email or Fax
Due Date:	☒ Mail

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analysis To Be Performed: Cadmium	Lead	Zinc
MW-1A/1B	WELL PAD NORTH 8 FEET DEEP	Soil	6/29/04	1640			X
MW-1A/1B	WELL PAD WEST 8 FEET DEEP			1632			X
MW-1A/1B	WELL PAD SOUTH 8 FEET DEEP			1642			X
AOC-3-1	DEPTH 1 FOOT			~~1650~~ 1756	X	X	X
AOC-3-5	DEPTH 1 FOOT			~~1650~~ 1750	X	X	X
AOC-3-9	DEPTH 1 FOOT			1744	X	X	X
AOC-3-13	DEPTH 1 FOOT			1738	X	X	X
AOC-5-18	DEPTH 2 FEET			1825	X	X	X
AOC-5-19	DEPTH 2 FEET			1823	X	X	X
AOC-5-20	DEPTH 2 FEET			1820	X	X	X
AOC-5-21	DEPTH 2 FEET			1815	X	X	X
MW-1B WELL PAD	~~NE~~ SOUTH 15 FEET	Soil	6/30/04	0948			X

Relinquished By:	Date/Time	Received By:	Date/Time
Roy V. Funkhouser	6/30/04 1640		
Relinquished By:	Date/Time	Received By:	Date/Time
			7/2/04 1500

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Inspection Job Number: 4070205
Laboratory Project Number: ~~4070205~~
Due Date:

PO#
Cash/check #
Amount Paid: $

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CLIENT: Linebach Funkhouser Inc.
ATTN: Roy Funkhouser
4059 Shelbyville Rd.
Louisville KY, 40220

PHONE: (502) 895-5009
FAX: (502) 895-4005

PROJECT NAME: Bay Zinc
PROJECT NUMBER: 100-02
SUBMITTED: 08/27/04 09:13

REPORT DATE: 09/09/04 08:43 REPORT NUMBER: 4082707

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX
4082707-01	AOC 1-X	08/25/2004	2120	Soil
4082707-02	5-5 2'3"	08/25/2004	1835	Soil
4082707-03	5-6 2'3"	08/25/2004	1905	Soil
4082707-04	5-7 2'3"	08/25/2004	1930	Soil
4082707-05	5-8 2'3"	08/25/2004	2000	Soil
4082707-06	5-11 2'3"	08/25/2004	1715	Soil
4082707-07	5-12 2'3"	08/25/2004	1730	Soil
4082707-08	5-13 2'3"	08/25/2004	1750	Soil
4082707-09	5-14 2'3"	08/25/2004	1810	Soil
4082707-10	Dup-1/ Duplicate	08/25/2004	1111	Soil
4082707-11	Rinsate	08/25/2004	2100	Water

Note: 2' 3" = approximately 4 foot total excavation depth from original top surface of backfilled material

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
4082707-01	**SAMPLE ID: AOC 1-X**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.433	mg/kg	0.092	BKB	09/08/2004 14:09
LEAD - ICP		LEAD	15.0	mg/kg	0.0921	BKB	09/08/2004 14:09
ZINC - ICP		ZINC	71.1	mg/kg	0.018	BKB	09/08/2004 14:09
4082707-02	**SAMPLE ID: 5-5 2'3"**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.560	mg/kg	0.102	BKB	09/08/2004 14:09
LEAD - ICP		LEAD	0.529	mg/kg	0.102	BKB	09/08/2004 14:09
ZINC - ICP		ZINC	29.4	mg/kg	0.020	BKB	09/08/2004 14:09
4082707-03	**SAMPLE ID: 5-6 2'3"**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.635	mg/kg	0.135	BKB	09/08/2004 14:09
LEAD - ICP		LEAD	ND	mg/kg	0.135	BKB	09/08/2004 14:09
ZINC - ICP		ZINC	32.4	mg/kg	0.027	BKB	09/08/2004 14:09
4082707-04	**SAMPLE ID: 5-7 2'3"**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.515	mg/kg	0.080	BKB	09/08/2004 14:09
LEAD - ICP		LEAD	ND	mg/kg	0.0805	BKB	09/08/2004 14:09
ZINC - ICP		ZINC	30.1	mg/kg	0.016	BKB	09/08/2004 14:09
4082707-05	**SAMPLE ID: 5-8 2'3"**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.813	mg/kg	0.084	BKB	09/08/2004 14:09
LEAD - ICP		LEAD	0.553	mg/kg	0.0838	BKB	09/08/2004 14:09
ZINC - ICP		ZINC	174	mg/kg	0.017	BKB	09/08/2004 14:09
4082707-06	**SAMPLE ID: 5-11 2'3"**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	1.99	mg/kg	0.118	BKB	09/08/2004 14:09

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Richard D. Reid - Laboratory Director

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CERTIFICATE OF ANALYSIS

REPORT DATE: 09/09/04 08:43 REPORT NUMBER: 4082707

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
4082707-06	**SAMPLE ID: 5-11 2'3"**						
Total Metals by Inductively Coupled Plasma							
LEAD - ICP	EPA 200.7/6010B	LEAD	47.5	mg/kg	0.118	BKB	09/08/2004 14:09
ZINC - ICP		ZINC	936	mg/kg	0.024	BKB	09/08/2004 14:09
4082707-07	**SAMPLE ID: 5-12 2'3"**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.734	mg/kg	0.115	BKB	09/08/2004 14:09
LEAD - ICP		LEAD	0.861	mg/kg	0.115	BKB	09/08/2004 14:09
ZINC - ICP		ZINC	36.9	mg/kg	0.023	BKB	09/08/2004 14:09
4082707-08	**SAMPLE ID: 5-13 2'3"**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	2.19	mg/kg	0.106	BKB	09/08/2004 14:09
LEAD - ICP		LEAD	2.69	mg/kg	0.106	BKB	09/08/2004 14:09
ZINC - ICP		ZINC	56.8	mg/kg	0.021	BKB	09/08/2004 14:09
4082707-09	**SAMPLE ID: 5-14 2'3"**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	2.07	mg/kg	0.066	BKB	09/08/2004 14:09
LEAD - ICP		LEAD	5.43	mg/kg	0.0662	BKB	09/08/2004 14:09
ZINC - ICP		ZINC	63.6	mg/kg	0.013	BKB	09/08/2004 14:09
4082707-10	**SAMPLE ID: Dup-1/ Duplicate**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	2.22	mg/kg	0.123	BKB	09/08/2004 14:09
[illegible] - ICP		LEAD	1.97	mg/kg	0.123	BKB	09/08/2004 14:09
ZINC - ICP		ZINC	55.2	mg/kg	0.025	BKB	09/08/2004 14:09
4082707-11	**SAMPLE ID: Rinsate**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	ND	mg/kg	0.001	BKB	09/08/2004 14:09
LEAD - ICP		LEAD	0.00167	mg/kg	0.00111	BKB	09/08/2004 14:09
ZINC - ICP		ZINC	0.002	mg/kg	0.0002	BKB	09/08/2004 14:09

ORIGINAL

Authorized for Release By:Richard D. Reid - Laboratory Director

COLUMBIA INSPECTION, INC 7133 N. Lombard, Portland, OR 97203 Phone:(503) 286-9464 Fax:(503) 286-5355 E-mail:lab@ColumbiaInspection.com

CI CERTIFICATE OF ANALYSIS

REPORT DATE: 08/08/05 10:54 REPORT NUMBER: 4081303 PAGE: 2 OF 3

NOTE:

Samples

5-18-1'
5-19-1'
5-20-1'
5-21-1'

were collected at total excavation depth of 3 feet below grade (1 foot below initial soil removal depth of 2 feet)

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
4081303-26	**SAMPLE ID: AOC 5-18-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	1.62	mg/kg	0.116	BKB	08/17/2004 13:55
LEAD - ICP		LEAD	3.32	mg/kg	0.116	BKB	08/17/2004 13:55
ZINC - ICP		ZINC	142	mg/kg	0.023	BKB	08/17/2004 13:55
4081303-29	**SAMPLE ID: AOC 5-19-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.996	mg/kg	0.091	BKB	08/17/2004 13:55
LEAD - ICP		LEAD	3.85	mg/kg	0.0914	BKB	08/17/2004 13:55
ZINC - ICP		ZINC	30.4	mg/kg	0.018	BKB	08/17/2004 13:55
4081303-32	**SAMPLE ID: AOC 5-20-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	4.49	mg/kg	0.087	BKB	08/17/2004 13:55
LEAD - ICP		LEAD	15.0	mg/kg	0.0873	BKB	08/17/2004 13:55
ZINC - ICP		ZINC	563	mg/kg	0.017	BKB	08/17/2004 13:55
4081303-35	**SAMPLE ID: AOC 5-21-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	1.94	mg/kg	0.100	BKB	08/17/2004 13:55
LEAD - ICP		LEAD	4.16	mg/kg	0.100	BKB	08/17/2004 13:55
ZINC - ICP		ZINC	84.1	mg/kg	0.020	BKB	08/17/2004 13:55
4081303-38	**SAMPLE ID: AOC 5-8-2'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	1.12	mg/kg	0.068	BKB	08/17/2004 13:55

Authorized for Release By:Richard D. Reid - Laboratory Director

CI CERTIFICATE OF ANALYSIS

REPORT DATE: 08/08/05 10:54 **REPORT NUMBER: 4081303**

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
4081303-38	**SAMPLE ID: AOC 5-8-2'**						
Total Metals by Inductively Coupled Plasma							
LEAD - ICP	EPA 200.7/6010B	LEAD	2.86	mg/kg	0.0676	BKB	08/17/2004 13:55
ZINC - ICP		ZINC	278	mg/kg	0.014	BKB	08/17/2004 13:55
4081303-41	**SAMPLE ID: Dup 1**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	1.60	mg/kg	0.084	BKB	08/17/2004 13:55
LEAD - ICP		LEAD	18.4	mg/kg	0.0839	BKB	08/17/2004 13:55
ZINC - ICP		ZINC	488	mg/kg	0.017	BKB	08/17/2004 13:55
4081303-42	**SAMPLE ID: Dup 2**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	1.25	mg/kg	0.094	BKB	08/17/2004 13:55
LEAD - ICP		LEAD	3.82	mg/kg	0.0944	BKB	08/17/2004 13:55
ZINC - ICP		ZINC	275	mg/kg	0.019	BKB	08/17/2004 13:55

Authorized for Release By:Richard D. Reid - Laboratory Director

COLUMBIA INSPECTION, INC 7133 N. Lombard, Portland, OR 97203 Phone:(503) 286-9464 Fax:(503) 286-5355 E-mail:lab@ColumbiaInspection.com

Shipped Overnight

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD AND NON-COMMERCIAL BILL OF LADING

☐ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831
☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 4592 East 2nd Street, Suite A, Benicia, CA 94510 Ph: (707) 748-7587 Fax: (707) 748-7764
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Limbach Funkhouser
Attention: BRADLEY COYLE
Address: 4059 Shelbyville Rd.
Phone: (502) 895-5009
FAX: (502) 895-4805
Sampler: BRADLEY COYLE ☐ Submitted

Project Name: Bay Zinc
Project Number: 100-02
P.O. Number: 100-02

Testing Priority: ☑ Normal ☐ Rush
Notification Method(s): ☑ Telephone ☑ FAX ☐ Mail
Due Date: _____

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: Cd	Pb	Zn
	S-5 2'3"	Soil	8/25/04	1835	X	X	X
	S-6 2'3"			1965			
	S-7 2'3"			1930			
	S-8 2'3"			2000			
	S-11 2'3"			1715			
	S-12 2'3"			1730			
	S-13 2'3"			1750			
	S-14 2'3"			1810			
	DUPE 1			1111			
	RINSATE	WATER		2100			

Relinquished By:	Date/Time	Received By:	Date/Time
Bradley L. Coyle	8/25/04 2135		
Relinquished By:	Date/Time	Received By:	Date/Time
		[signature]	8/27/04 0830

FOR LABORATORY USE ONLY

Inspection Job Number: 213 PO # _____
Laboratory Project Number: _____ ☐ Cash/Check # _____
Due Date: _____ Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B7/7/99

27" From Original Top of Grade B1

Shipped Liquid Hauled

COLUMBIA INSPECTION, INC.

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☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 4592 East 2nd Street, Suite A, Benicia, CA 94510 Ph: (707) 748-7587 Fax: (707) 748-7764
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: LIEBACH FINKBEINER
Attention: BRADLEY COYLE
Address: 4059 Shelbyville Rd Louisville
Phone: (502) 895-5009
FAX: (502) 895-4005
Sampler: BRADLEY COYLE ☐ Submitted

Project Name: BAY ZINC
Project Number: 100-02
P.O. Number: 100-02

Testing Priority: ☑ Normal ☐ Rush
Notification Method(s): ☐ Telephone ☑ FAX ☑ Mail
Due Date: _____

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed
	5-5 3'	Soil	8/25/04	1840	X X X
	5-6 3'			1910	
	5-7 3'			1935	
	5-8 3'			2005	HOLD
	5-11 3'			1720	
	5-12 3'			1735	
	5-13 3'			1755	
	5-14 3'	↓	↓	1815	↓ ↓ ↓

Relinquished By:	Date/Time	Received By:	Date/Time
Bradley L. Coyle	8/25/04 2130		
Relinquished By:	Date/Time	Received By:	Date/Time
		Kirk Oberg	8/27/04 0830

FOR LABORATORY USE ONLY
Inspection Job Number: _____ 3/3 PO # _____
Laboratory Project Number: _____ ☐ Cash/Check # _____
Due Date: _____ Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B7/7/99

36" FROM ORIGINAL TOP OF GRADE

SWMU-6

CERTIFICATE OF ANALYSIS

4071903-09	**SAMPLE ID: SWMU 6-2(E) East Composite**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	1.3	mg/L	0.007	BKB	07/23/2004 13:28
LEAD - ICP		LEAD	25.0	mg/L	0.011	BKB	07/23/2004 13:28
ZINC - ICP		ZINC	450	mg/L	0.007	BKB	07/23/2004 13:28
4071903-10	**SAMPLE ID: SWMU 6-1(W) West Composite**						
Total Metals by Inductively Coupled Plasma							
[illegible]IUM - ICP	EPA 200.7/6010B	CADMIUM	4.1	mg/L	0.008	BKB	07/23/2004 13:28
[illegible] - ICP		LEAD	261	mg/L	0.013	BKB	07/23/2004 13:28
ZINC - ICP		ZINC	1900	mg/L	0.008	BKB	07/23/2004 13:28

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Authorized for Release By:Richard D. Reid - Laboratory Director

CERTIFICATE OF ANALYSIS

4081303-25 SAMPLE ID: SWMM-6-1-A (W)

Total Metals by Inductively Coupled Plasma

?MIUM - ICP	EPA 200.7/60108	CADMIUM	1.10	mg/kg	0.116	BKB	08/17/2004 13:55
D - ICP		LEAD	2.54	mg/kg	0.116	BKB	08/17/2004 13:55
ZINC - ICP		ZINC	36.2	mg/kg	0.023	BKB	08/17/2004 13:55

Authorized for Release By:Richard D. Reid - Laboratory Director

West Warehouse

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Certificate of Analysis

Client: Linebach Funkhouser, Inc.
4059 Shelbyville Road
Louisville, KY 40207

Attn: Roy Funkhouser

Date Received: 12/5/02
Date of Report: 12/6/02

Sample Identification:

Lab ID	Sample Description	Date and Time Received
101074-(001-010)	Misc. Soils; Cd, Pb, and Zn	12/5/2002 2:25 PM
101074-011	Equip Blank; Cd, Pb, and Zn	12/5/2002 2:25 PM

Comments:

Soil sample results reported on a dry-weight basis.

William Rice

William R. Rice
Laboratory Director

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, S/W
Date Received: 12/5/2002
Date Completed: 12/6/2002
Date Reported: 12/6/2002

Lab Sample ID: 101074-(001-011)

Lab Sample ID	Sample ID/Desc	Analyte	Method	% Moisture	Result	Dup Result	RPD	Units	MDL
Method Blank		Cadmium	EPA 200.7		ND			mg/L	0.006
		Lead	EPA 200.7		ND			mg/L	0.2
		Zinc	EPA 200.7		0.037			mg/L	0.007
101074-001	WH1-1	Cadmium	EPA 200.7	8.0	3.14			mg/Kg	0.006
		Lead	EPA 200.7	8.0	845			mg/Kg	0.2
		Zinc	EPA 200.7	8.0	4854			mg/Kg	0.007
101074-002	WH1-2	Cadmium	EPA 200.7	7.8	17.7			mg/Kg	0.006
		Lead	EPA 200.7	7.8	1590			mg/Kg	0.2
		Zinc	EPA 200.7	7.8	8640			mg/Kg	0.007
101074-003	WH1-3	Cadmium	EPA 200.7	7.3	3.87			mg/Kg	0.006
		Lead	EPA 200.7	7.3	557			mg/Kg	0.2
		Zinc	EPA 200.7	7.3	3578			mg/Kg	0.007
101074-004	WH1-4	Cadmium	EPA 200.7	5.9	ND			mg/Kg	0.006
		Lead	EPA 200.7	5.9	289			mg/Kg	0.2
		Zinc	EPA 200.7	5.9	2340			mg/Kg	0.007
101074-005	WH1-5	Cadmium	EPA 200.7	9.0	1.23			mg/Kg	0.006
		Lead	EPA 200.7	9.0	545			mg/Kg	0.2
		Zinc	EPA 200.7	9.0	3804			mg/Kg	0.007
101074-006	WH1-6	Cadmium	EPA 200.7	8.2	ND	ND	NA	mg/Kg	0.006
		Lead	EPA 200.7	8.2	399	456	13.5	mg/Kg	0.2
		Zinc	EPA 200.7	8.2	2480	2963	17.7	mg/Kg	0.007
101074-007	WH1-7	Cadmium	EPA 200.7	7.6	1.15			mg/Kg	0.006
		Lead	EPA 200.7	7.6	634			mg/Kg	0.2
		Zinc	EPA 200.7	7.6	3290			mg/Kg	0.007
101074-008	WH1-8	Cadmium	EPA 200.7	8.7	3.30			mg/Kg	0.006
		Lead	EPA 200.7	8.7	789			mg/Kg	0.2
		Zinc	EPA 200.7	8.7	5223			mg/Kg	0.007
101074-009	WH1-9	Cadmium	EPA 200.7	8.4	53.1			mg/Kg	0.006
		Lead	EPA 200.7	8.4	589			mg/Kg	0.2
		Zinc	EPA 200.7	8.4	6800			mg/Kg	0.007

Alliance Analytical Laboratories LLC

Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, S/W
Date Received: 12/5/2002
Date Completed: 12/6/2002
Date Reported: 12/6/2002

Lab Sample ID: 101074-(001-011)

Lab Sample ID	Sample ID/Desc	Analyte	Method	% Moisture	Result	Dup Result	RPD	Units	MDL
101074-010	WH1-2B	Cadmium	EPA 200.7	7.8	ND			mg/Kg	0.006
		Lead	EPA 200.7	7.8	336			mg/Kg	0.2
		Zinc	EPA 200.7	7.8	2245			mg/Kg	0.007
101074-011	Equip Rinsate	Cadmium	EPA 200.7		ND			mg/L	0.006
		Lead	EPA 200.7		ND			mg/L	0.2
		Zinc	EPA 200.7		ND			mg/L	0.007

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, S/W
Date Received: 12/5/2002
Date Completed: 12/6/2002
Date Reported: 12/6/2002

Quality Control Summary

Lab Sample ID	Analyte	Method	True Value	Result	% Rec	Units	MDL
101074-010 MS	Cadmium	EPA 200.7	1.0	0.900	89.8	mg/L	0.006
	Lead	EPA 200.7	5.0	10.5	116.4	mg/L	0.2
	Zinc	EPA 200.7	25.0	59.7	114.2	mg/L	0.007
IPC Stnd	Cadmium	EPA 200.7	2.0	1.91	95.6	mg/L	0.006
	Lead	EPA 200.7	2.0	1.99	99.5	mg/L	0.2
	Zinc	EPA 200.7	2.0	1.99	99.3	mg/L	0.007
QCS Stnd	Cadmium	EPA 200.7	2.0	1.83	91.7	mg/L	0.006
	Lead	EPA 200.7	2.0	1.97	98.3	mg/L	0.2
	Zinc	EPA 200.7	2.0	1.87	93.7	mg/L	0.007

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Certificate of Analysis

Client: Linebach Funkhouser, Inc.
4059 Shelbyville Road
Louisville, KY 40207

Attn: Roy Funkhouser

Date Received: 12/7/02
Date of Report: 12/11/02

Sample Identification:

Lab ID	Sample Description	Date and Time Received
101081-(001-010)	Misc. Soils; Cd, Pb, and Zn	12/7/2002 12:30 PM
101081-011	Equip Blank; Cd, Pb, and Zn	12/7/2002 12:30 PM

Comments:

Soil sample results reported on a dry-weight basis.

William R. Rice
Laboratory Director

Alliance Analytical Laboratories LLC

Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, S/W
Date Received: 12/7/2002
Date Completed: 12/10/2002
Date Reported: 12/11/2002

Lab Sample ID: 101081-(001-011)

Lab Sample ID	Sample ID/Desc	Analyte	Method	% Moisture	Result	Dup Result	RPD	Units	MDL
Method Blank		Cadmium	EPA 200.7		ND			mg/L	0.006
		Lead	EPA 200.7		ND			mg/L	0.2
		Zinc	EPA 200.7		0.016			mg/L	0.007
101081-001	WH2-1	Cadmium	EPA 200.7	12.7	0.81			mg/Kg	0.006
		Lead	EPA 200.7	12.7	520			mg/Kg	0.2
		Zinc	EPA 200.7	12.7	2913			mg/Kg	0.007
101081-002	WH2-2	Cadmium	EPA 200.7	12.8	5.07			mg/Kg	0.006
		Lead	EPA 200.7	12.8	783			mg/Kg	0.2
		Zinc	EPA 200.7	12.8	5548			mg/Kg	0.007
101081-003	WH2-3	Cadmium	EPA 200.7	12.3	14.1			mg/Kg	0.006
		Lead	EPA 200.7	12.3	1414			mg/Kg	0.2
		Zinc	EPA 200.7	12.3	6639			mg/Kg	0.007
101081-004	WH2-4	Cadmium	EPA 200.7	10.8	1.52			mg/Kg	0.006
		Lead	EPA 200.7	10.8	534			mg/Kg	0.2
		Zinc	EPA 200.7	10.8	3230			mg/Kg	0.007
101081-005	WH2-5	Cadmium	EPA 200.7	11.0	0.26			mg/Kg	0.006
		Lead	EPA 200.7	11.0	479			mg/Kg	0.2
		Zinc	EPA 200.7	11.0	2893			mg/Kg	0.007
101081-006	WH2-6	Cadmium	EPA 200.7	12.3	7.96	10.1	23.8	mg/Kg	0.006
		Lead	EPA 200.7	12.3	3082	3058	0.8	mg/Kg	0.2
		Zinc	EPA 200.7	12.3	12366	12089	2.3	mg/Kg	0.007
101081-007	WH2-7	Cadmium	EPA 200.7	13.8	23.5			mg/Kg	0.006
		Lead	EPA 200.7	13.8	6138			mg/Kg	0.2
		Zinc	EPA 200.7	13.8	27072			mg/Kg	0.007
101081-008	WH2-8	Cadmium	EPA 200.7	19.3	26.8			mg/Kg	0.006
		Lead	EPA 200.7	19.3	4215			mg/Kg	0.2
		Zinc	EPA 200.7	19.3	28056			mg/Kg	0.007
101081-009	WH2-9	Cadmium	EPA 200.7	13.3	26.9			mg/Kg	0.006
		Lead	EPA 200.7	13.3	3026			mg/Kg	0.2
		Zinc	EPA 200.7	13.3	15456			mg/Kg	0.007

Alliance Analytical Laboratories LLC

Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, S/W
Date Received: 12/7/2002
Date Completed: 12/10/2002
Date Reported: 12/11/2002

Lab Sample ID: 101081-(001-011)

Lab Sample ID	Sample ID/Desc	Analyte	Method	% Moisture	Result	Dup Result	RPD	Units	MDL
101081-010	WH-2A	Cadmium	EPA 200.7	16.7	29.8			mg/Kg	0.006
		Lead	EPA 200.7	16.7	5550			mg/Kg	0.2
		Zinc	EPA 200.7	16.7	31646			mg/Kg	0.007
101081-011	Equip Blank	Cadmium	EPA 200.7		ND			mg/L	0.006
		Lead	EPA 200.7		ND			mg/L	0.2
		Zinc	EPA 200.7		ND			mg/L	0.007

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, S/W
Date Received: 12/7/2002
Date Completed: 12/10/2002
Date Reported: 12/11/2002

Quality Control Summary

Lab Sample ID	Analyte	Method	True Value	Result	% Rec	Units	MDL
101081-004 MS	Cadmium	EPA 200.7	1.0	0.923	90.0	mg/L	0.006
	Lead	EPA 200.7	5.0	12.6	93.3	mg/L	0.2
	Zinc	EPA 200.7	20.0	68.9	104.0	mg/L	0.007
IPC Stnd	Cadmium	EPA 200.7	2.0	1.91	95.4	mg/L	0.006
	Lead	EPA 200.7	2.0	1.94	97.0	mg/L	0.2
	Zinc	EPA 200.7	2.0	1.96	98.1	mg/L	0.007
QCS Stnd	Cadmium	EPA 200.7	2.0	1.92	96.2	mg/L	0.006
	Lead	EPA 200.7	2.0	1.95	97.6	mg/L	0.2
	Zinc	EPA 200.7	2.0	1.95	97.5	mg/L	0.007

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Certificate of Analysis

Client: Linebach Funkhouser, Inc.
4059 Shelbyville Road
Louisville, KY 40207

Attn: Roy Funkhouser

Date Received: 12/12/02
Date of Report: 12/13/02

Sample Identification:

Lab ID	Sample Description	Date and Time Received
101099-(001-019)	Misc. Soils; Cd, Pb, and Zn	12/12/2002 1:15 PM

Comments:

Soil sample results reported on a dry-weight basis.

William R. Rice
Laboratory Director

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, Soil
Date Received: 12/12/2002
Date Completed: 12/13/2002
Date Reported: 12/13/2002

Lab Sample ID: 101099-(001-019)

Lab Sample ID	Sample ID/Desc	Analyte	Method	% Moisture	Result	Dup Result	RPD	Units	MDL
Method Blank 1		Cadmium	EPA 200.7		ND			mg/L	0.006
		Lead	EPA 200.7		ND			mg/L	0.2
		Zinc	EPA 200.7		0.038			mg/L	0.007
Method Blank 2		Cadmium	EPA 200.7		ND			mg/L	0.006
		Lead	EPA 200.7		ND			mg/L	0.2
		Zinc	EPA 200.7		0.066			mg/L	0.007
101099-001	WH-1 (1-1.5)	Cadmium	EPA 200.7	6.2	ND			mg/Kg	0.006
		Lead	EPA 200.7	6.2	57.5			mg/Kg	0.2
		Zinc	EPA 200.7	6.2	408			mg/Kg	0.007
101099-002	WH-1 (1.5-2)	Cadmium	EPA 200.7	20.2	82.7			mg/Kg	0.006
		Lead	EPA 200.7	20.2	9885			mg/Kg	0.2
		Zinc	EPA 200.7	20.2	50843			mg/Kg	0.007
101099-003	WH-2 (1-1.5)	Cadmium	EPA 200.7	8.7	6.10			mg/Kg	0.006
		Lead	EPA 200.7	8.7	1184			mg/Kg	0.2
		Zinc	EPA 200.7	8.7	6044			mg/Kg	0.007
101099-004	WH-2 (1.5-2)	Cadmium	EPA 200.7	11.9	52.8			mg/Kg	0.006
		Lead	EPA 200.7	11.9	5065			mg/Kg	0.2
		Zinc	EPA 200.7	11.9	27440			mg/Kg	0.007
101099-005	WH-3 (1-1.5)	Cadmium	EPA 200.7	10.0	ND			mg/Kg	0.006
		Lead	EPA 200.7	10.0	348			mg/Kg	0.2
		Zinc	EPA 200.7	10.0	1003			mg/Kg	0.007
101099-006	WH-3 (1.5-2)	Cadmium	EPA 200.7	15.6	48.7			mg/Kg	0.006
		Lead	EPA 200.7	15.6	4303			mg/Kg	0.2
		Zinc	EPA 200.7	15.6	24180			mg/Kg	0.007
101099-007	WH-4 (1-1.5)	Cadmium	EPA 200.7	8.0	ND			mg/Kg	0.006
		Lead	EPA 200.7	8.0	39.1			mg/Kg	0.2
		Zinc	EPA 200.7	8.0	1034			mg/Kg	0.007
101099-008	WH-4 (1.5-2)	Cadmium	EPA 200.7	11.5	28.2	28.8	2.2	mg/Kg	0.006
		Lead	EPA 200.7	11.5	5575	6383	13.5	mg/Kg	0.2
		Zinc	EPA 200.7	11.5	22059	21861	0.9	mg/Kg	0.007

Alliance Analytical Laboratories LLC
Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, Soil
Date Received: 12/12/2002
Date Completed: 12/13/2002
Date Reported: 12/13/2002

Lab Sample ID: 101099-(001-019)

Lab Sample ID	Sample ID/Desc	Analyte	Method	% Moisture	Result	Dup Result	RPD	Units	MDL
101099-009	WH-5 (1-1.5)	Cadmium	EPA 200.7	8.8	25.1			mg/Kg	0.006
		Lead	EPA 200.7	8.8	2368			mg/Kg	0.2
		Zinc	EPA 200.7	8.8	12970			mg/Kg	0.007
101099-010	WH-5 (1.5-2)	Cadmium	EPA 200.7	15.2	118			mg/Kg	0.006
		Lead	EPA 200.7	15.2	5816			mg/Kg	0.2
		Zinc	EPA 200.7	15.2	32575			mg/Kg	0.007
101099-011	WH-6 (1-1.5)	Cadmium	EPA 200.7	8.9	34.2			mg/Kg	0.006
		Lead	EPA 200.7	8.9	5082			mg/Kg	0.2
		Zinc	EPA 200.7	8.9	22718			mg/Kg	0.007
01099-012	WH-6 (1.5-2)	Cadmium	EPA 200.7	14.1	88.0	79.8	9.7	mg/Kg	0.006
		Lead	EPA 200.7	14.1	834	821	1.7	mg/Kg	0.2
		Zinc	EPA 200.7	14.1	16734	15309	8.9	mg/Kg	0.007
101099-013	WH-7 (1-1.5)	Cadmium	EPA 200.7	12.0	30.7			mg/Kg	0.006
		Lead	EPA 200.7	12.0	8603			mg/Kg	0.2
		Zinc	EPA 200.7	12.0	34203			mg/Kg	0.007
101099-014	WH-7 (1.5-2)	Cadmium	EPA 200.7	17.9	177.6			mg/Kg	0.006
		Lead	EPA 200.7	17.9	39.7			mg/Kg	0.2
		Zinc	EPA 200.7	17.9	17136			mg/Kg	0.007
101099-015	WH-8 (1-1.5)	Cadmium	EPA 200.7	9.2	12.2			mg/Kg	0.006
		Lead	EPA 200.7	9.2	755			mg/Kg	0.2
		Zinc	EPA 200.7	9.2	4968			mg/Kg	0.007
101099-016	WH-8 (1.5-2)	Cadmium	EPA 200.7	16.9	27.8			mg/Kg	0.006
		Lead	EPA 200.7	16.9	30.3			mg/Kg	0.2
		Zinc	EPA 200.7	16.9	3766			mg/Kg	0.007
101099-017	WH-9 (1-1.5)	Cadmium	EPA 200.7	11.5	26.5			mg/Kg	0.006
		Lead	EPA 200.7	11.5	430			mg/Kg	0.2
		Zinc	EPA 200.7	11.5	5182			mg/Kg	0.007
01099-018	WH-9 (1.5-2)	Cadmium	EPA 200.7	18.0	64.1			mg/Kg	0.006
		Lead	EPA 200.7	18.0	78.4			mg/Kg	0.2
		Zinc	EPA 200.7	18.0	9067			mg/Kg	0.007

Alliance Analytical Laboratories LLC

Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, Soil
Date Received: 12/12/2002
Date Completed: 12/13/2002
Date Reported: 12/13/2002

Lab Sample ID: 101099-(001-019)

Lab Sample ID	Sample ID/Desc	Analyte	Method	% Moisture	Result	Dup Result	RPD	Units	MDL
101099-019	WH-8A (1-1.5)	Cadmium	EPA 200.7	11.2	13.9			mg/Kg	0.006
		Lead	EPA 200.7	11.2	16.1			mg/Kg	0.2
		Zinc	EPA 200.7	11.2	1923			mg/Kg	0.007

Alliance Analytical Laboratories LLC

Analytical and Consulting Services

Linebach Funkhouser
4059 Shelbyville Road
Louisville, KY 40207

Project: Metals, Soil
Date Received: 12/12/2002
Date Completed: 12/13/2002
Date Reported: 12/13/2002

Quality Control Summary

Lab Sample ID	Analyte	Method	True Value	Result	% Rec	Units	MDL
101099-016 MS	Cadmium	EPA 200.7	2.0	2.08	84.6	mg/L	0.006
	Lead	EPA 200.7	2.0	2.15	86.2	mg/L	0.2
	Zinc	EPA 200.7	18.0	66.0	72.8	mg/L	0.007
101099-019 MS	Cadmium	EPA 200.7	2.0	1.85	83.4	mg/L	0.006
	Lead	EPA 200.7	2.0	1.93	86.1	mg/L	0.2
	Zinc	EPA 200.7	20.0	41.9	82.5	mg/L	0.007
IPC Stnd	Cadmium	EPA 200.7	2.0	1.93	96.3	mg/L	0.006
	Lead	EPA 200.7	2.0	1.98	99.0	mg/L	0.2
	Zinc	EPA 200.7	2.0	2.01	100.6	mg/L	0.007
QCS Stnd	Cadmium	EPA 200.7	1.5	1.42	94.7	mg/L	0.006
	Lead	EPA 200.7	1.5	1.46	97.6	mg/L	0.2
	Zinc	EPA 200.7	1.5	1.48	98.7	mg/L	0.007

Alliance Analytical Laboratories LLC

Chain of Custody

Client name: LINEBACH FUNKHOUSER, INC. Client phone: 502-895-5004

Client address: 4059 SHELBYVILLE ROAD, LOUISVILLE KY 40207

Billing name: SAME AS ABOVE Billing phone:

Billing address:

P.O. #:

Mail, Call, (Fax) results to: Roy Funkhouser 502-895-8005

Project Manager: Roy Funkhouser

Sampler Signature: Roy Funkhouser

Project Name/#: Bay Zinc 100-02

Preservative used

Turn Around Time

- [X] *Rush (1-2 Days)
- [ ] *Priority (3-5 Days)
- [ ] Normal (7-10 Days)

Results needed by: 12/16/02 AM

* Please call to verify rush charges before submitting samples

Analysis required: Cd, Pb, Zinc (TCLP)

Sample identification	Date	Time	Matrix/type	# containers	Remarks
WH-1 1-1.5	12/12/02	1205	SOIL	1	
WH-1 1.5-2		1210	SOIL	1	
WH-2 1-1.5		1155	SOIL	1	
WH-2 1.5-2		1200	SOIL	1	
WH-3 1-1.5		1145	SOIL	1	
WH-3 1.5-2		1150	SOIL	1	
WH-4 1-1.5		1135	SOIL	1	
WH-4 1.5-2		1140	SOIL	1	
WH-5 1-1.5		1125	SOIL	1	
WH-5 1.5-2		1130	SOIL	1	

Sampled Date: 12/12/02 Time: Sampled by: Roy Funkhouser

Received Date: 12/12/02 Time: 13:15 Received by: WRAZE

Relinquished by: RR Date: 12/12/02 Time: 13:15 Received by:

Relinquished by: Date: Time Received by:

Sample condition upon receipt:

Carrier & shipping #:

Chain of custody seal for: Container: Cooler:

Signature by the client/client agent assumes responsibility for payment for indicated tests according to the latest price list/quote.

Alliance Analytical Laboratories LLC

Chain of Custody

Client name: | Client phone:

Client address:

Billing name: | Billing phone:

Billing address:

P.O. #:

Mail, Call, Fax results to:

Project Manager:

Sampler Signature:

Project Name & #:

Preservative used

Turn Around Time

- ☐ *Rush (1-2 Days)
- ☐ *Priority (3-5 Days)
- ☐ Normal (7-10 Days)

Results needed by:

* Please call to verify rush charges before submitting samples

Analysis required

Sample identification	Date	Time	Matrix/type	# containers	Cd, Pb, Zn (Total)	Remarks
WH-6 1-1.5	12/12/02	1115	SOIL	1	X	
WH-6 1.5-2		1120	SOIL	1	X	
WH-7 1-1.5		1105	SOIL	1	X	
WH-7 1.5-2		1110	SOIL	1	X	
WH-8 1-1.5		1055	SOIL	1	X	
WH-8 1.5-2		1100	SOIL	1	X	
WH-9 1-1.5		1045	SOIL	1	X	
WH-9 1.5-2		1050	SOIL	1	X	
WH-8A 1.5-2		1102	SOIL	1	X	

Sampled Date :	Time:	Sampled by:	Sample condition upon receipt:
Received Date:	Time:	Received by:	Carrier & shipping #:
Relinquished by: Date:	Time:	Received by:	Chain of custody seal for: Container: Cooler:
Relinquished by: Date:	Time	Received by:	

Signature by the client/client agent assumes responsibility for payment for indicated tests according to the latest price list/quote.

401 East S Street Yakima, WA 98901 509-469-2400 Toll free 866-469-2400 Fax 509-469-9476

CERTIFICATE OF ANALYSIS

CLIENT: Linebach Funkhouser Inc.
4059 Shelbyville Rd.
Louisville KY, 40220
ATTN: Roy Funkhouser

PHONE: (502) 895-5009
FAX: (502) 895-4005

PROJECT NAME: Bay Zinc

PROJECT NUMBER: 100-02

SUBMITTED: 07/23/03 10:05

REPORT DATE: 07/24/03 12:06 REPORT NUMBER: 3072301

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX
3072301-01	AOC5-SP/ Main Stockpile	07/22/2003	0925	Soil
3072301-02	WWH-SP/ West Warehouse Stockpile	07/22/2003	0950	Soil
3072301-03	WH-SP/ Warehouse Trench Stockpile	07/22/2003	0950	Soil
3072301-04	Dup-1/ Duplicate	07/22/2003	1100	Soil
3072301-05	WH-1/ West Warehouse 1	07/22/2003	1215	Soil
3072301-06	WH-2/ West Warehouse 2	07/22/2003	1235	Soil
3072301-07	WH-3/ West Warehouse 3	07/22/2003	1250	Soil
3072301-08	WH-4/ West Warehouse 4	07/22/2003	1300	Soil
3072301-09	WH-5/ West Warehouse 5	07/22/2003	1330	Soil
3072301-10	WH-6/ West Warehouse 6	07/22/2003	1340	Soil
3072301-11	WH-7/ West Warehouse 7	07/22/2003	1350	Soil
3072301-12	WH-8/ West Warehouse 8	07/22/2003	1355	Soil
3072301-13	WH-9/ West Warehouse 9	07/22/2003	1400	Soil
3072301-14	Equipment Rinsate 1	07/22/2003	1415	Water

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME	NOTES
3072301-01	SAMPLE ID: AOC5-SP/ Main Stockpile							
Toxicity Characteristics Leachate Procedure (TCLP) Metals								
CADMIUM, TCLP - ICP	EPA 200.7/6010B	CADMIUM	0.056	mg/L	0.020	GW	07/24/2003 10:27	
LEAD, TCLP - ICP		LEAD	0.090	mg/L	0.040	GW	07/24/2003 10:27	
3072301-02	SAMPLE ID: WWH-SP/ West Warehouse Stockpile							
Toxicity Characteristics Leachate Procedure (TCLP) Metals								
CADMIUM, TCLP - ICP	EPA 200.7/6010B	CADMIUM	1.9	mg/L	0.020	GW	07/24/2003 10:27	
LEAD, TCLP - ICP		LEAD	34	mg/L	0.40	GW	07/24/2003 10:27	
3072301-03	SAMPLE ID: WH-SP/ Warehouse Trench Stockpile							
Toxicity Characteristics Leachate Procedure (TCLP) Metals								
CADMIUM, TCLP - ICP	EPA 200.7/6010B	CADMIUM	0.73	mg/L	0.020	GW	07/24/2003 10:27	
LEAD, TCLP - ICP		LEAD	15	mg/L	0.40	GW	07/24/2003 10:27	
3072301-04	SAMPLE ID: Dup-1/ Duplicate							
Toxicity Characteristics Leachate Procedure (TCLP) Metals								
CADMIUM, TCLP - ICP	EPA 200.7/6010B	CADMIUM	1.1	mg/L	0.020	GW	07/24/2003 10:27	
LEAD, TCLP - ICP		LEAD	26	mg/L	0.40	GW	07/24/2003 10:27	
3072301-05	SAMPLE ID: WH-1/ West Warehouse 1							
Total Metals by Inductively Coupled Plasma								
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	117	mg/kg	0.120	GW	07/24/2003 07:42	
LEAD - ICP		LEAD	12900	mg/kg	12.0	GW	07/24/2003 07:42	
ZINC - ICP		ZINC	47200	mg/kg	2.40	GW	07/24/2003 07:42	

Authorized for Release By:

Richard D. Reid - Laboratory Director

CERTIFICATE OF ANALYSIS

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME	NOTES
3072301-06	**SAMPLE ID: WH-2/ West Warehouse 2**							
Total Metals by Inductively Coupled Plasma								
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	41.2	mg/kg	0.107	GW	07/24/2003 07:42	
LEAD - ICP		LEAD	51.0	mg/kg	0.107	GW	07/24/2003 07:42	
ZINC - ICP		ZINC	3660	mg/kg	0.213	GW	07/24/2003 07:42	
3072301-07	**SAMPLE ID: WH-3/ West Warehouse 3**							
Total Metals by Inductively Coupled Plasma								
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	73.7	mg/kg	0.108	GW	07/24/2003 07:42	
LEAD - ICP		LEAD	1070	mg/kg	0.108	GW	07/24/2003 07:42	
ZINC - ICP		ZINC	10600	mg/kg	0.215	GW	07/24/2003 07:42	
3072301-08	**SAMPLE ID: WH-4/ West Warehouse 4**							
Total Metals by Inductively Coupled Plasma								
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	85.3	mg/kg	0.115	GW	07/24/2003 07:42	
LEAD - ICP		LEAD	1990	mg/kg	1.15	GW	07/24/2003 07:42	
ZINC - ICP		ZINC	11600	mg/kg	0.230	GW	07/24/2003 07:42	
3072301-09	**SAMPLE ID: WH-5/ West Warehouse 5**							
Total Metals by Inductively Coupled Plasma								
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	73.9	mg/kg	0.111	GW	07/24/2003 07:42	
- ICP		LEAD	301	mg/kg	0.111	GW	07/24/2003 07:42	
- ICP		ZINC	6270	mg/kg	0.223	GW	07/24/2003 07:42	
3072301-10	**SAMPLE ID: WH-6/ West Warehouse 6**							
Total Metals by Inductively Coupled Plasma								
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	37.2	mg/kg	0.114	GW	07/24/2003 07:42	
LEAD - ICP		LEAD	109	mg/kg	0.114	GW	07/24/2003 07:42	
ZINC - ICP		ZINC	3880	mg/kg	0.227	GW	07/24/2003 07:42	
3072301-11	**SAMPLE ID: WH-7/ West Warehouse 7**							
Total Metals by Inductively Coupled Plasma								
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	34.5	mg/kg	0.103	GW	07/24/2003 07:42	
LEAD - ICP		LEAD	659	mg/kg	0.103	GW	07/24/2003 07:42	
ZINC - ICP		ZINC	4760	mg/kg	0.207	GW	07/24/2003 07:42	
3072301-12	**SAMPLE ID: WH-8/ West Warehouse 8**							
Total Metals by Inductively Coupled Plasma								
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	19.2	mg/kg	0.103	GW	07/24/2003 07:42	
LEAD - ICP		LEAD	19.2	mg/kg	0.103	GW	07/24/2003 07:42	
ZINC - ICP		ZINC	2090	mg/kg	0.206	GW	07/24/2003 07:42	
3072301-13	**SAMPLE ID: WH-9/ West Warehouse 9**							
Total Metals by Inductively Coupled Plasma								
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	9.55	mg/kg	0.109	GW	07/24/2003 07:42	
LEAD - ICP		LEAD	43.7	mg/kg	0.109	GW	07/24/2003 07:42	
- ICP		ZINC	1170	mg/kg	0.022	GW	07/24/2003 07:42	
301-14	SAMPLE ID: Equipment Rinsate 1							

Authorized for Release By:Richard D. Reid - Laboratory Director

CERTIFICATE OF ANALYSIS

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME	NOTES
3072301-14	**SAMPLE ID: Equipment Rinsate 1**							
Total Metals by Inductively Coupled Plasma								
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	ND	mg/L	0.001	GW	07/24/2003 10:54	
LEAD - ICP		LEAD	0.013	mg/L	0.001	GW	07/24/2003 10:54	
ZINC - ICP		ZINC	0.013	mg/L	0.001	GW	07/24/2003 10:54	

Authorized for Release By:Richard D. Reid - Laboratory Director

CERTIFICATE OF ANALYSIS

Total Metals by Inductively Coupled Plasma - Quality Control

Batch/Sample/Analyte	Result	Detection Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
BATCH: Batch 3G23005 - EPA 3051										
QC SAMPLE: Blank (3G23005-BLK1)					Prepared: 07/23/03 Analyzed: 07/24/03					
CADMIUM	ND	0.100	mg/kg							
LEAD	ND	0.100	"							
ZINC	0.200	0.020	"							QB-01
QC SAMPLE: Calibration Blank (3G23005-CCB1)					Prepared: 07/23/03 Analyzed: 07/24/03					
CADMIUM	0.0011	0.001	mg/kg							
LEAD	ND	0.00100	"							
ZINC	0.0038	0.0002	"							
QC SAMPLE: Calibration Blank (3G23005-CCB2)					Prepared: 07/23/03 Analyzed: 07/24/03					
CADMIUM	ND	0.001	mg/kg							
LEAD	0.0034	0.00100	"							
ZINC	0.0305	0.0002	"							
QC SAMPLE: Calibration Blank (3G23005-CCB3)					Prepared: 07/23/03 Analyzed: 07/24/03					
CADMIUM	ND	0.001	mg/kg							
LEAD	0.0203	0.00100	"							
ZINC	0.0197	0.0002	"							
AMPLE: Duplicate (3G23005-DUP1)					Source: 3072301-13 Prepared: 07/23/03 Analyzed: 07/24/03					
UM	23.8	0.105	mg/kg		9.55			85.5	15	A-01
LI	16.9	0.105	"		43.7			88.4	15	A-01
ZINC	1600	0.210	"		1170			31.0	15	A-01
QC SAMPLE: Reference (3G23005-SRM1)					Prepared: 07/23/03 Analyzed: 07/24/03					
CADMIUM	1.03	0.001	mg/kg	1.00		103	85-115			
LEAD	1.01	0.00100	"	1.00		101	85-115			
ZINC	0.998	0.0002	"	1.00		99.8	85-115			

Authorized for Release By: Richard D. Reid - Laboratory Director

Total Metals by Inductively Coupled Plasma - Quality Control

Batch/Sample/Analyte	Result	Detection Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
BATCH: Batch 3G23005 - EPA 3051										
QC SAMPLE: Reference (3G23005-SRM2)					Prepared: 07/23/03 Analyzed: 07/24/03					
CADMIUM	0.997	0.001	mg/kg	1.00		99.7	85-115			
LEAD	1.02	0.00100	"	1.00		102	85-115			
ZINC	0.996	0.0002	"	1.00		99.6	85-115			
QC SAMPLE: Reference (3G23005-SRM3)					Prepared: 07/23/03 Analyzed: 07/24/03					
CADMIUM	0.994	0.001	mg/kg	1.00		99.4	85-115			
LEAD	1.04	0.00100	"	1.00		104	85-115			
ZINC	0.979	0.0002	"	1.00		97.9	85-115			
QC SAMPLE: Reference (3G23005-SRM4)					Prepared: 07/23/03 Analyzed: 07/24/03					
CADMIUM	0.0256	0.001	mg/kg	0.0243		105	80-120			
LEAD	0.0603	0.00100	"	0.0585		103	85-115			
ZINC	1.12	0.0002	"	1.09		103	92-107			
BATCH: Batch 3G23011 - EPA 3015										
QC SAMPLE: Blank (3G23011-BLK1)					Prepared: 07/23/03 Analyzed: 07/24/03					
CADMIUM	ND	0.001	mg/L							
LEAD	0.011	0.001	"							
	0.017	0.001	"							
QC SAMPLE: Calibration Blank (3G23011-CCB1)					Prepared: 07/23/03 Analyzed: 07/24/03					
CADMIUM	ND	0.0009	mg/L							
LEAD	0.014	0.0009	"							
ZINC	0.002	0.0009	"							
QC SAMPLE: Calibration Blank (3G23011-CCB2)					Prepared: 07/23/03 Analyzed: 07/24/03					
CADMIUM	ND	0.0009	mg/L							
LEAD	ND	0.0009	"							
ZINC	0.014	0.0009	"							

Authorized for Release By: Richard D. Reid - Laboratory Director

Total Metals by Inductively Coupled Plasma - Quality Control

Batch/Sample/Analyte	Result	Detection Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
BATCH: Batch 3G23011 - EPA 3015										
QC SAMPLE: Matrix Spike (3G23011-MS1)				Source: 3072301-14		Prepared: 07/23/03 Analyzed: 07/24/03				
CADMIUM	0.871	0.001	mg/L	1.11	ND	78.5	80-120			
LEAD	1.01	0.001	"	1.11	0.013	89.8	80-120			
ZINC	0.986	0.001	"	1.11	0.013	87.7	80-120			
QC SAMPLE: Reference (3G23011-SRM1)						Prepared: 07/23/03 Analyzed: 07/24/03				
CADMIUM	1.00	0.0009	mg/L	1.00		100	85-115			
LEAD	1.06	0.0009	"	1.00		106	85-115			
ZINC	0.998	0.0009	"	1.00		99.8	85-115			
QC SAMPLE: Reference (3G23011-SRM2)						Prepared: 07/23/03 Analyzed: 07/24/03				
CADMIUM	1.03	0.0009	mg/L	1.00		103	85-115			
LEAD	1.09	0.0009	"	1.00		109	85-115			
ZINC	1.02	0.0009	"	1.00		102	85-115			
QC SAMPLE: Reference (3G23011-SRM3)						Prepared: 07/23/03 Analyzed: 07/24/03				
CADMIUM	0.024	0.0009	mg/L	0.0243		98.8	80-120			
LEAD	0.066	0.0009	"	0.0585		113	85-115			
ZINC	1.13	0.0009	"	1.09		104	92-107			

Authorized for Release By:Richard D. Reid - Laboratory Director

CERTIFICATE OF ANALYSIS

Toxicity Characteristics Leachate Procedure (TCLP) Metals - Quality Control

Batch/Sample/Analyte	Result	Detection Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
BATCH: Batch 3G23012 - EPA 3015										
QC SAMPLE: Blank (3G23012-BLK1)					Prepared: 07/23/03 Analyzed: 07/24/03					
CADMIUM	ND	0.020	mg/L							
LEAD	ND	0.040	"							
QC SAMPLE: Calibration Blank (3G23012-CCB1)					Prepared: 07/23/03 Analyzed: 07/24/03					
CADMIUM	ND	0.018	mg/L							
LEAD	ND	0.036	"							
QC SAMPLE: Calibration Blank (3G23012-CCB2)					Prepared: 07/23/03 Analyzed: 07/24/03					
CADMIUM	ND	0.018	mg/L							
LEAD	ND	0.036	"							
QC SAMPLE: Duplicate (3G23012-DUP1)			Source: 3072301-04		Prepared: 07/23/03 Analyzed: 07/24/03					
CADMIUM	1.13	0.020	mg/L		1.1			2.69	15	
LEAD	25.6	0.40	"		26			1.55	15	
QC SAMPLE: Matrix Spike (3G23012-MS1)			Source: 3072301-01		Prepared: 07/23/03 Analyzed: 07/24/03					
CADMIUM	1.11	0.020	mg/L	1.11	0.056	95.0	80-120			
LEAD	1.15	0.040	"	1.11	0.090	95.5	80-120			
QC SAMPLE: Reference (3G23012-SRM1)					Prepared: 07/23/03 Analyzed: 07/24/03					
[illegible]UM	1.01	0.018	mg/L	1.00		101	85-115			
[illegible]	1.06	0.036	"	1.00		106	85-115			
QC SAMPLE: Reference (3G23012-SRM2)					Prepared: 07/23/03 Analyzed: 07/24/03					
CADMIUM	1.02	0.018	mg/L	1.00		102	85-115			
LEAD	1.04	0.036	"	1.00		104	85-115			
QC SAMPLE: Reference (3G23012-SRM3)					Prepared: 07/23/03 Analyzed: 07/24/03					
CADMIUM	0.0248	0.018	mg/L	0.0243		102	80-120			
LEAD	0.0607	0.036	"	0.0585		104	85-115			

Data Qualifiers:

Qualifier	Notes
A-01	The RPDs for duplicate data were high due to the fact that they were trace levels and the sample is non-homogeneous.
QB-01	The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.

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CHAIN OF CUSTODY RECORD 0857

Alliance Analytical Laboratories LLC
401 East S Street - Yakima, WA 98901
509-469-2400 • Fax 509-469-9476

THIS INFORMATION [illegible] FOR REPORTING/BILLING* (SEE BELOW)

CLIENT: [illegible]
ADDRESS: 059 [illegible]
Louisville, Ky 40257
ATTENTION: Roy Funkhouser
PROJECT NAME: Bay Zinc
PROJECT CONTACT: Barry Poling
TELEPHONE: 502-845-5009 FAX: 502-895-4005
JOB/P.O. NO.: 100-02 Cell 502-376-4463

WORK ORDER ID # 1

PAGE 1 OF 1

TESTS TO PERFORM

LAB SA#	SAMPLE ID / LOCATION	DATE	TIME	MATRIX: WATER, SOIL OR SPECIFY	NO. OF CONTAINERS	TCLP Pb	TCLP Cd	Total Pb 6010	Total Cd 6010	Total Zn 6010	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
1	AOC5-SP / [illegible], Stockpile	7-22	9:25	Soil	1	X	X				Call Results
2	WH1-SP / [illegible]	[illegible]	[illegible]	Soil		X	X				[illegible]
3	WH Trench-SP / Workforce Transfer	7-22	9:50	Soil		X	X				+ Fax to
4	[illegible]	7-22	11:00	Soil		X	X				[illegible]
5	WH-1	7-22	1215					X	T	Y	
6	WH-2	7-22	1235					X	X	X	
7	WH 3	7-22	1250					X	X	X	RUSH
8	WH-4	7-22	1300					X	X	X	
9	WH 5	7-22	1330					X	X	Y	
10	WH-6	7-22	1340					X	X	X	
11	[illegible]	7-22	1350					X	X	V	3072301
12	WH-8	7-22	[illegible]					X	X	X	
13	WH-9	7-22	1400					X	X	X	
14	[illegible]	7-22	1415					X	X	X	

A. A standard turnaround time is assumed unless otherwise marked. B. The laboratory may not be responsible for missed holding time for samples received with less than 50% of the analytical hold time remaining. Please contact the laboratory for further information.

INSTRUCTIONS
1. USE ONE LINE PER SAMPLE
2. BE SPECIFIC IN TEST REQUESTS
3. CHECK OFF TESTS TO BE PERFORMED FOR EACH SAMPLE

* BILLING INFORMATION, IF DIFFERENT THAN ABOVE
NAME ADDRESS
ATTN: CITY,STATE,ZIP

* RUSH TURNAROUND IS SUBJECT TO PRIOR LABORATORY APPROVAL

TOTAL NO. OF CONTAINERS

TURNAROUND REQUEST
- ☐ STD. 10-14 WORKING DAYS
- ☒ 24-48 HRS. (100% SUR/CHG)
- ☐ 72 HRS. (75% SUR/CHG)
- ☐ 3-5 DAYS (50% SUR/CHG)
- ☐ OTHER
- ☐ TEMP
CUSTODY [illegible] ☐ Y ☒ N ☐ N/A

RELINQUISHED BY (SIGN AND PRINT)	DATE / TIME	RECEIVED BY (SIGN AND PRINT)	DATE / TIME
[signature] [illegible] Poling	7-22 / 11:00	[signature] Richard Reid	7/23/03 / 0950

[illegible]nance charges . [illegible]or collection fees may be applied to delinquent accounts.

WT Final Report Copy • Yellow File Copy • Pink Client Copy

CERTIFICATE OF ANALYSIS

CLIENT: Linebach Funkhouser Inc.
4059 Shelbyville Rd.
Louisville KY, 40220
ATTN: Roy Funkhouser

PHONE: (502) 895-5009
FAX: (502) 895-4005

PROJECT NAME: Bay Zinc

PROJECT NUMBER: 100-02

SUBMITTED: 07/28/03 10:55

REPORT DATE: 07/31/03 09:48 REPORT NUMBER: 3072803

ORIGINAL

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX
3072803-01	WH-1A	07/24/2003	1500	Soil
3072803-02	WH-2A	07/24/2003	1455	Soil
3072803-03	WH-3A	07/24/2003	1445	Soil
3072803-04	WH-4A	07/24/2003	1440	Soil
3072803-05	WH-5A	07/24/2003	1430	Soil
3072803-06	WH-6A	07/24/2003	1425	Soil
3072803-07	WH-7A	07/24/2003	1420	Soil
3072803-08	Duplicate	07/24/2003	1200	Soil
3072803-09	Equipment Rinsate	07/24/2003	1520	Water

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
3072803-01	**SAMPLE ID: WH-1A**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	1.57	mg/kg	0.102	GW	07/29/2003 08:39
LEAD - ICP		LEAD	35.5	mg/kg	0.102	GW	07/29/2003 08:39
ZINC - ICP		ZINC	263	mg/kg	0.020	GW	07/29/2003 08:39
3072803-02	**SAMPLE ID: WH-2A**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	4.94	mg/kg	0.107	GW	07/29/2003 08:39
LEAD - ICP		LEAD	38.7	mg/kg	0.107	GW	07/29/2003 08:39
ZINC - ICP		ZINC	487	mg/kg	0.021	GW	07/29/2003 08:39
3072803-03	**SAMPLE ID: WH-3A**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	1.23	mg/kg	0.118	GW	07/29/2003 08:39
LEAD - ICP		LEAD	13.0	mg/kg	0.118	GW	07/29/2003 08:39
ZINC - ICP		ZINC	94.0	mg/kg	0.024	GW	07/29/2003 08:39
3072803-04	**SAMPLE ID: WH-4A**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	4.67	mg/kg	0.103	GW	07/29/2003 08:39
LEAD - ICP		LEAD	26.1	mg/kg	0.103	GW	07/29/2003 08:39
ZINC - ICP		ZINC	453	mg/kg	0.021	GW	07/29/2003 08:39
3072803-05	**SAMPLE ID: WH-5A**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	5.45	mg/kg	0.108	GW	07/29/2003 08:39
LEAD - ICP		LEAD	175	mg/kg	0.108	GW	07/29/2003 08:39
ZINC - ICP		ZINC	1080	mg/kg	0.022	GW	07/29/2003 08:39
3072803-06	**SAMPLE ID: WH-6A**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	13.1	mg/kg	0.114	GW	07/29/2003 08:39
LEAD - ICP		LEAD	107	mg/kg	0.114	GW	07/29/2003 08:39

Authorized for Release By:

Richard D. Reid - Laboratory Director

CERTIFICATE OF ANALYSIS

REPORT DATE: 07/31/03 09:48 REPORT NUMBER: 3072803

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
3072803-06	**SAMPLE ID: WH-6A**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	2010	mg/kg	0.046	GW	07/29/2003 08:39
3072803-07	**SAMPLE ID: WH-7A**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	22.0	mg/kg	0.120	GW	07/29/2003 08:39
LEAD - ICP		LEAD	18.6	mg/kg	0.120	GW	07/29/2003 08:39
ZINC - ICP		ZINC	2140	mg/kg	0.048	GW	07/29/2003 08:39
3072803-08	**SAMPLE ID: Duplicate**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	17.2	mg/kg	0.100	GW	07/29/2003 08:39
LEAD - ICP		LEAD	15.7	mg/kg	0.100	GW	07/29/2003 08:39
ZINC - ICP		ZINC	1800	mg/kg	0.040	GW	07/29/2003 08:39
3072803-09	**SAMPLE ID: Equipment Rinsate**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	ND	mg/L	0.001	GW	07/29/2003 09:43
LEAD - ICP		LEAD	ND	mg/L	0.001	GW	07/29/2003 09:43
ZINC - ICP		ZINC	ND	mg/L	0.001	GW	07/29/2003 09:43

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COLUMBIA INSPECTION, INC.

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AND
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☐ 4592 E 2nd Street, Ste 'A', Benicia, CA 94510 — Ph: (707) 748-7587 Fax: (707) 748-7764
☐ 797 Channel Street, San Pedro, CA 90731 — Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name:	Lindbach Funkhouser
Attention:	Roy Funkhouser
Address:	4059 Shelbyville Rd
Phone:	502-895-5009
Fax:	502-895-4005
Sampler:	Barry Poling ☒ Submitted

Project Name:	Bay Zinc
Project Number:	100-02
P.O. Number:	
Testing Priority:	Notification Method(s):
☒ Normal	☐ Telephone
☐ Rush	☐ Email
Due Date:	☐ Mail

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analysis To Be Performed: Total Pb	Total Cd	Total Zn
	WH-1A	Soil	7-24	1500	X	X	X
	WH-2A	Soil	7-24	1455	X	X	X
	WH-3A	Soil	7-24	1445	X	X	X
	WH-4A	Soil	7-24	1440	X	X	X
	WH-5A	Soil	7-24	1430	X	X	X
	WH-6A	Soil	7-24	1425	X	X	X
	WH-7A	Soil	7-24	1420	X	X	X
	WH Dup 1	Soil	7-24	1200	X	X	X
	Equip Rinsate	H2O	7-24	1530	X	X	X

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	1630/7-24-03		
Relinquished By:	Date/Time	Received By: [signature]	Date/Time 7/28/03 0945

FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO# _____
Laboratory Project Number: 3072803 Cash/check # _____
Due Date: _____ Amount Paid: $ _____

Areas East (NB-1) and South (AOC-10)
of the New Building

CERTIFICATE OF ANALYSIS

CLIENT: Linebach Funkhouser Inc.
ATTN: Roy Funkhouser
4059 Shelbyville Rd.
Louisville KY, 40220

PHONE: (502) 895-5009
FAX: (502) 895-4005

PROJECT NAME: Bay Zinc
PROJECT NUMBER: 100-02
SUBMITTED: 07/19/04 15:30

REPORT DATE: 07/29/04 08:21 REPORT NUMBER: 4071903

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX
4071903-01	NB1-1(W)Wall New Building West Walls	07/17/2004	1215	Soil
4071903-02	NB1-1(W) Floor New Building West Floor	07/17/2004	1210	Soil
4071903-03	NB1-2(E)Wall New Building East Wall	07/17/2004	1200	Soil
4071903-04	NB1-2(E)Floor New Building East Floor	07/17/2004	1215	Soil
4071903-05	AOC-10-1(W) Wall West Wall	07/17/2004	1315	Soil
4071903-06	AOC-10-1(W) Floor West Floor	07/17/2004	1300	Soil
4071903-07	AOC-10-2(E) Wall East Wall	07/17/2004	1305	Soil
4071903-08	AOC-10-2(E) Wall East Floor	07/17/2004	1310	Soil
4071903-09	SWMU 6-2(E) East Composite	07/17/2004	1635	Soil
4071903-10	SWMU 6-1(W) West Composite	07/17/2004	1630	Soil
4071903-11	WH-2-1 (W) West Composite	07/17/2004	1135	Soil
4071903-12	WH-2-2(E) East Composite	07/17/2004	1130	Soil
4071903-13	Dup 1	07/17/2004	1700	Soil

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
4071903-01	**SAMPLE ID: NB1-1(W)Wall New Building West Walls**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	4.4	mg/L	0.009	BKB	07/23/2004 13:28
LEAD - ICP		LEAD	5.04	mg/L	0.015	BKB	07/23/2004 13:28
ZINC - ICP		ZINC	2700	mg/L	0.088	BKB	07/23/2004 13:28
4071903-02	**SAMPLE ID: NB1-1(W) Floor New Building West Floor**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	7.4	mg/L	0.007	BKB	07/23/2004 13:28
LEAD - ICP		LEAD	3.42	mg/L	0.011	BKB	07/23/2004 13:28
ZINC - ICP		ZINC	4400	mg/L	0.067	BKB	07/23/2004 13:28
4071903-03	**SAMPLE ID: NB1-2(E)Wall New Building East Wall**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	9.5	mg/L	0.010	BKB	07/23/2004 13:28
LEAD - ICP		LEAD	4.85	mg/L	0.017	BKB	07/23/2004 13:28
ZINC - ICP		ZINC	5000	mg/L	0.10	BKB	07/23/2004 13:28
4071903-04	**SAMPLE ID: NB1-2(E)Floor New Building East Floor**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	17	mg/L	0.007	BKB	07/23/2004 13:28
LEAD - ICP		LEAD	4.90	mg/L	0.011	BKB	07/23/2004 13:28
ZINC - ICP		ZINC	5600	mg/L	0.067	BKB	07/23/2004 13:28
4071903-05	**SAMPLE ID: AOC-10-1(W) Wall West Wall**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.57	mg/L	0.005	BKB	07/23/2004 13:28
LEAD - ICP		LEAD	3.74	mg/L	0.008	BKB	07/23/2004 13:28
ZINC - ICP		ZINC	29	mg/L	0.005	BKB	07/23/2004 13:28
4071903-06	**SAMPLE ID: AOC-10-1(W) Floor West Floor**						

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Richard D. Reid - Laboratory Director

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SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
4071903-06	**SAMPLE ID: AOC-10-1(W) Floor West Floor**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	1.1	mg/L	0.014	BKB	07/23/2004 13:28
LEAD - ICP		LEAD	5.42	mg/L	0.023	BKB	07/23/2004 13:28
ZINC - ICP		ZINC	32	mg/L	0.014	BKB	07/23/2004 13:28
4071903-07	**SAMPLE ID: AOC-10-2(E) Wall East Wall**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.87	mg/L	0.004	BKB	07/23/2004 13:28
LEAD - ICP		LEAD	4.45	mg/L	0.006	BKB	07/23/2004 13:28
ZINC - ICP		ZINC	27	mg/L	0.004	BKB	07/23/2004 13:28
4071903-08	**SAMPLE ID: AOC-10-2(E) Wall East Floor**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.96	mg/L	0.006	BKB	07/23/2004 13:28
LEAD - ICP		LEAD	5.23	mg/L	0.010	BKB	07/23/2004 13:28
ZINC - ICP		ZINC	31	mg/L	0.006	BKB	07/23/2004 13:28
4071903-09	**SAMPLE ID: SWMU 6-2(E) East Composite**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	1.3	mg/L	0.007	BKB	07/23/2004 13:28
LEAD - ICP		LEAD	25.0	mg/L	0.011	BKB	07/23/2004 13:28
ZINC - ICP		ZINC	450	mg/L	0.007	BKB	07/23/2004 13:28
4071903-10	**SAMPLE ID: SWMU 6-1(W) West Composite**						
Total Metals by Inductively Coupled Plasma							
MIUM - ICP	EPA 200.7/6010B	CADMIUM	4.1	mg/L	0.008	BKB	07/23/2004 13:28
D - ICP		LEAD	261	mg/L	0.013	BKB	07/23/2004 13:28
ZINC - ICP		ZINC	1900	mg/L	0.008	BKB	07/23/2004 13:28

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Authorized for Release By:Richard D. Reid - Laboratory Director

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☐ 4592 E 2nd Street, Ste 'A', Benicia, CA 94510 — Ph: (707) 748-7587 Fax: (707) 748-7764
☐ 797 Channel Street, San Pedro, CA 90731 — Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name:	
Attention:	
Address:	
Phone:	
Fax:	
Sampler:	☐ Submitted

Project Name:	
Project Number:	
P.O. Number:	
Testing Priority	Notification Method(s)
☒ Normal	☐ Telephone
☐ Rush	☑ Email
Due Date:	☐ Mail

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analysis To Be Performed: Total Pb	Total Cd	Total Zn
			7-17	1215	X	X	X
			7-17	1210	X	X	X
			7-17	1200	X	X	X
			7-17	1205	X	X	X
			7-17	1315	X	X	X
			7-17	1300	X	X	X
			7-17	1305	X	X	X
			7-17	1210	X	X	X
			7-17	1635	X	X	X
			7-17	1630	X	X	X
			7-17	1135	X	X	X
		X	7-17	1130	X	X	X
		X	7-17	1700	+	+	+

Relinquished By:	Date/Time	Received By:	Date/Time
	7-17-07 1730		
Relinquished By:	Date/Time	Received By:	Date/Time

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Laboratory Project Number: _____ Cash/check # _____

Due Date: _____ Amount Paid: $ _____

Warehouse Entryway AOC

CERTIFICATE OF ANALYSIS

CLIENT: Linebach Funkhouser Inc.
ATTN: Roy Funkhouser
4059 Shelbyville Rd.
Louisville KY, 40220

PHONE: (502) 895-5009
FAX: (502) 895-4005

PROJECT NAME: Bay Zinc

PROJECT NUMBER: 100-02

SUBMITTED: 08/13/04 11:00

REPORT DATE: 08/25/04 09:23 REPORT NUMBER: 4081304

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX
4081304-01	WH2-N-1 0-1'	08/12/2004	0915	Soil
4081304-04	WH2-N-2 0-1'	08/12/2004	0900	Soil
4081304-06	WH2-N-2 2-3'	08/12/2004	0910	Soil
4081304-07	WH2-E-1 0-1'	08/12/2004	0933	Soil
4081304-10	WH2-E-2 0-1'	08/12/2004	0945	Soil
4081304-12	WH2-E-2 2-3'	08/12/2004	0955	Soil
4081304-13	WH2-S-1 0-1'	08/12/2004	0820	Soil
4081304-16	WH2-W-1 0-1'	08/12/2004	0800	Soil
4081304-18	WH2-W-1 2-3'	08/12/2004	0810	Soil
4081304-19	WH2-S-2 0-1'	08/12/2004	0845	Soil
4081304-21	WH2-S-2 2-3'	08/12/2004	0855	Soil

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
4081304-01	**SAMPLE ID: WH2-N-1 0-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	460	mg/kg	0.078	BKB	08/17/2004 13:55
[illegible]D - ICP		LEAD	34000	mg/kg	7.80	BKB	08/17/2004 13:55
[illegible]C - ICP		ZINC	145000	mg/kg	1.56	BKB	08/17/2004 13:55
4081304-04	**SAMPLE ID: WH2-N-2 0-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	53.1	mg/kg	0.104	BKB	08/17/2004 13:55
LEAD - ICP		LEAD	6970	mg/kg	10.4	BKB	08/17/2004 13:55
ZINC - ICP		ZINC	24200	mg/kg	2.08	BKB	08/17/2004 13:55
4081304-06	**SAMPLE ID: WH2-N-2 2-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	8.08	mg/kg	0.125	BKB	08/24/2004 15:08
LEAD - ICP		LEAD	325	mg/kg	0.125	BKB	08/24/2004 15:08
ZINC - ICP		ZINC	2000	mg/kg	0.042	BKB	08/24/2004 15:08
4081304-07	**SAMPLE ID: WH2-E-1 0-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	123	mg/kg	0.104	BKB	08/17/2004 13:55
LEAD - ICP		LEAD	13400	mg/kg	10.4	BKB	08/17/2004 13:55
ZINC - ICP		ZINC	96800	mg/kg	2.08	BKB	08/17/2004 13:55
4081304-10	**SAMPLE ID: WH2-E-2 0-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	95.3	mg/kg	0.062	BKB	08/17/2004 13:55
LEAD - ICP		LEAD	16000	mg/kg	6.22	BKB	08/17/2004 13:55
ZINC - ICP		ZINC	81300	mg/kg	1.24	BKB	08/17/2004 13:55
4081304-12	**SAMPLE ID: WH2-E-2 2-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	30.8	mg/kg	0.110	BKB	08/24/2004 15:08

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SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
4081304-12	**SAMPLE ID: WH2-E-2 2-3'**						
Total Metals by Inductively Coupled Plasma							
LEAD - ICP	EPA 200.7/6010B	LEAD	1870	mg/kg	0.110	BKB	08/24/2004 15:08
ZINC - ICP		ZINC	9350	mg/kg	0.366	BKB	08/24/2004 15:08
4081304-13	**SAMPLE ID: WH2-S-1 0-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	40.4	mg/kg	0.102	BKB	08/17/2004 13:55
LEAD - ICP		LEAD	11000	mg/kg	10.2	BKB	08/17/2004 13:55
ZINC - ICP		ZINC	49500	mg/kg	2.04	BKB	08/17/2004 13:55
4081304-16	**SAMPLE ID: WH2-W-1 0-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	126	mg/kg	0.077	BKB	08/17/2004 13:55
LEAD - ICP		LEAD	11800	mg/kg	7.73	BKB	08/17/2004 13:55
ZINC - ICP		ZINC	81300	mg/kg	1.55	BKB	08/17/2004 13:55
4081304-18	**SAMPLE ID: WH2-W-1 2-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	13.8	mg/kg	0.087	BKB	08/24/2004 15:08
LEAD - ICP		LEAD	510	mg/kg	0.0868	BKB	08/24/2004 15:08
ZINC - ICP		ZINC	3690	mg/kg	0.289	BKB	08/24/2004 15:08
4081304-19	**SAMPLE ID: WH2-S-2 0-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	53.4	mg/kg	0.110	BKB	08/17/2004 13:55
D - ICP		LEAD	8020	mg/kg	11.0	BKB	08/17/2004 13:55
C - ICP		ZINC	48300	mg/kg	2.21	BKB	08/17/2004 13:55
4081304-21	**SAMPLE ID: WH2-S-2 2-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.733	mg/kg	0.102	BKB	08/24/2004 15:08
LEAD - ICP		LEAD	5.65	mg/kg	0.102	BKB	08/24/2004 15:08
ZINC - ICP		ZINC	44.2	mg/kg	0.034	BKB	08/24/2004 15:08

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AND
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- [x] 7133 N. Lombard, Portland, OR 97203 — Ph: (503) 286-9464 Fax: (503) 285-7831
- [ ] 4901 E. 20th Street, Fife, WA 98424 — Ph: (253) 922-8781 Fax: (253) 922-8957
- [ ] 4592 E 2nd Street, Ste 'A', Benicia, CA 94510 — Ph: (707) 748-7587 Fax: (707) 748-7764
- [ ] 797 Channel Street, San Pedro, CA 90731 — Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Lindow Funkhouser
Attention: Roy Funkhouser
Address: 4257 Shelbyville Rd
Phone: 502 895-2001
Fax: 502-895-4005
Sampler: Barry Fehey [x] Submitted

Project Name: Bay Inc
Project Number: 100-07
P.O. Number:

Testing Priority: [x] Normal [ ] Rush
Due Date:

Notification Method(s): [ ] Telephone [x] Email [x] Mail

Analysis To Be Performed: Pb, Cd, Zn
Note: Run (0-1) samples First. Hold (1-2) + (2-3) for Analysis.

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Pb	Cd	Zn
	WH2-N-1 0-1	Soil	8-12-04	915	X	X	X
	WH2-N-1 1-2			920			
	WH2-N-1 2-3			925			
	WH2-N-2 0-1			900			
	WH2-N-2 1-2			905			
	WH2-N-2 2-3			910			
	WH2-E-1 0-1			930			
	WH2-E-1 1-2			935			
	WH2-E-1 2-3			940			
	WH2-E-2 0-1			945			
	WH2-E-2 1-2			950			
	WH2-E-2 2-3			955			
	WH2-S-1 0-1			820			
	WH2-S-1 1-2			830			
	WH2-S-1 2-3			835	X	X	X

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8-12-04 1400		
[signature]	[illegible]		

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Laboratory Project Number: ______ Cash/check # ______
Due Date: ______ Amount Paid: $ ______

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CLIENT: Linebach Funkhouser Inc.
ATTN: Bradley Coyle
114 Fairfax Avenue
Louisville KY, 40207

PHONE: (502) 895-5009
FAX: (502) 895-4005

PROJECT NAME: Bay Zinc Soils tests
PROJECT NUMBER: 100-02
SUBMITTED: 01/19/05 11:15

REPORT DATE: 04/15/05 07:30 REPORT NUMBER: 5011905

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX
5011905-01	WH2-W-5 1'-2'	01/18/2005	1100	Soil
5011905-02	WH2-W-5 2'-3'	01/18/2005	1105	Soil
5011905-03	WH2-W-5 3'-4'	01/18/2005	1110	Soil
5011905-04	WH2-W-4 1'-2'	01/18/2005	1115	Soil
5011905-05	WH2-W-4 2'-3'	01/18/2005	1120	Soil
5011905-06	WH2-W-4 3'-4'	01/18/2005	1125	Soil
5011905-07	WH2-W-3 1'-2'	01/18/2005	1130	Soil
5011905-08	WH2-W-3 2'-3'	01/18/2005	1135	Soil
5011905-09	WH2-W-3 3'-4"	01/18/2005	1140	Soil
5011905-11	WH2-W-3 5'-6'	01/18/2005	1150	Soil
6011905-12	WH2-E-4 1'-2'	01/18/2005	1155	Soil
5011905-13	WH2-E-4 2'-3'	01/18/2005	1200	Soil
5011905-14	WH2-E-4 3'-4'	01/18/2005	1205	Soil
5011905-15	WH2-E-3 1'-2'	01/18/2005	1210	Soil
5011905-16	WH2-E-3 2'-3'	01/18/2005	1215	Soil
5011905-18	WH2-S-6 1'-2'	01/18/2005	1235	Soil
5011905-19	WH2-S-6 2'-3'	01/18/2005	1240	Soil
5011905-21	WH2-S-5 1'-2'	01/18/2005	1250	Soil
5011905-24	WH2-S-4 1'-2'	01/18/2005	1305	Soil
6011905-25	WH2-S-4 2'-3'	01/18/2005	1310	Soil
5011905-27	WH2-S-3 1'-2'	01/18/2005	1320	Soil
5011905-28	WH2-S-3 2'-3'	01/18/2005	1325	Soil
5011905-32	WH-E-3 5'-6'	01/18/2005	1230	Soil
5011905-33	WH-S-3 5'-6'	01/18/2005	1340	Soil
5011905-34	WH-N-3 1'-2'	01/18/2005	1345	Soil
5011905-35	WH-N-3 2'-3'	01/18/2005	1350	Soil
5011905-36	WH-N-3 3'-4'	01/18/2005	1355	Soil
5011905-38	WH-N-4 2'-3'	01/18/2005	1405	Soil
5011905-39	WH-N-4 3'-4'	01/18/2005	1400	Soil

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
5011905-01	**SAMPLE ID: WH2-W-5 1'-2'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	57.2	mg/kg	0.218	BKB	02/07/2005 09:07
LEAD - ICP		LEAD	6510	mg/kg	2.18	BKB	01/31/2005 14:21
ZINC - ICP		ZINC	48900	mg/kg	4.36	BKB	02/07/2005 09:07
5011905-02	**SAMPLE ID: WH2-W-5 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	37.9	mg/kg	0.155	BKB	02/07/2005 09:07
LEAD - ICP		LEAD	54.0	mg/kg	1.55	BKB	02/07/2005 09:07

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SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
5011905-02	**SAMPLE ID: WH2-W-5 2'-3'**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	22500	mg/kg	0.309	BKB	02/07/2005 09:07
5011905-03	**SAMPLE ID: WH2-W-5 3'-4'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	1.93	mg/kg	0.292	BKB	02/15/2005 15:39
ZINC - ICP		ZINC	875	mg/kg	0.058	BKB	02/15/2005 15:39
5011905-04	**SAMPLE ID: WH2-W-4 1'-2'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	15.2	mg/kg	0.242	BKB	02/16/2005 09:28
LEAD - ICP		LEAD	671	mg/kg	0.242	BKB	02/16/2005 09:28
5011905-05	**SAMPLE ID: WH2-W-4 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	112	mg/kg	0.175	BKB	02/07/2005 09:07
LEAD - ICP		LEAD	8160	mg/L	7.89	BKB	01/27/2005 14:50
ZINC - ICP		ZINC	74600	mg/kg	3.50	BKB	02/07/2005 09:07
5011905-06	**SAMPLE ID: WH2-W-4 3'-4'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.633	mg/kg	0.226	BKB	02/07/2005 09:07
LEAD - ICP		LEAD	7.30	mg/kg	0.226	BKB	01/31/2005 14:21
ZINC - ICP		ZINC	57.0	mg/kg	0.045	BKB	02/07/2005 09:07
5011905-07	**SAMPLE ID: WH2-W-3 1'-2'**						
Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	47.5	mg/kg	0.050	BKB	02/07/2005 09:07
LEAD - ICP		LEAD	6430	mg/kg	5.00	BKB	01/20/2005 11:02
ZINC - ICP		ZINC	53200	mg/kg	1.00	BKB	02/07/2005 09:07
5011905-08	**SAMPLE ID: WH2-W-3 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	153	mg/kg	0.108	BKB	02/07/2005 09:07
LEAD - ICP		LEAD	17000	mg/kg	10.8	BKB	01/31/2005 14:21
ZINC - ICP		ZINC	165000	mg/kg	2.17	BKB	02/07/2005 09:07
5011905-09	**SAMPLE ID: WH2-W-3 3'-4"**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	3.04	mg/kg	0.200	BKB	02/07/2005 09:07
LEAD - ICP		LEAD	8.63	mg/kg	0.200	BKB	02/07/2005 09:07
ZINC - ICP		ZINC	111	mg/kg	0.040	BKB	02/07/2005 09:07
5011905-11	**SAMPLE ID: WH2-W-3 5'-6'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.539	mg/kg	0.146	BKB	02/07/2005 09:07
LEAD - ICP		LEAD	3.51	mg/L	0.656	BKB	01/27/2005 14:50
ZINC - ICP		ZINC	32.5	mg/kg	0.029	BKB	02/07/2005 09:07
5011905-12	**SAMPLE ID: WH2-E-4 1'-2'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	212	mg/kg	0.130	BKB	02/07/2005 09:07
LEAD - ICP		LEAD	13800	mg/kg	13.0	BKB	01/31/2005 14:21
ZINC - ICP		ZINC	124000	mg/kg	2.60	BKB	02/07/2005 09:07

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SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
5011905-13	**SAMPLE ID: WH2-E-4 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	51.0	mg/kg	0.244	BKB	02/07/2005 09:07
LEAD - ICP		LEAD	23.7	mg/L	1.10	BKB	01/27/2005 14:50
ZINC - ICP		ZINC	3410	mg/kg	0.049	BKB	02/07/2005 09:07
5011905-14	**SAMPLE ID: WH2-E-4 3'-4'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	9.41	mg/kg	0.167	BKB	02/15/2005 15:39
ZINC - ICP		ZINC	1140	mg/kg	0.033	BKB	02/15/2005 15:39
5011905-15	**SAMPLE ID: WH2-E-3 1'-2'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	186	mg/kg	0.112	BKB	02/07/2005 09:07
LEAD - ICP		LEAD	22600	mg/kg	5.61	BKB	01/20/2005 11:02
ZINC - ICP		ZINC 25% zinc!	250000	mg/kg	2.24	BKB	02/07/2005 09:07
5011905-16	**SAMPLE ID: WH2-E-3 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	1.82	mg/kg	0.250	BKB	02/15/2005 15:39
LEAD - ICP		LEAD	37.5	mg/kg	0.189	BKB	01/31/2005 14:21
ZINC - ICP		ZINC	237	mg/kg	0.050	BKB	02/15/2005 15:39
5011905-18	**SAMPLE ID: WH2-S-6 1'-2'**						
Total Metals by Inductively Coupled Plasma							
LEAD - ICP	EPA 200.7/6010B	LEAD	9.67	mg/kg	0.269	BKB	04/08/2005 13:35
5011905-19	**SAMPLE ID: WH2-S-6 2'-3'**						
Total Metals by Inductively Coupled Plasma							
LEAD - ICP	EPA 200.7/6010B	LEAD	3.45	mg/kg	0.134	BKB	04/08/2005 13:35
5011905-21	**SAMPLE ID: WH2-S-5 1'-2'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	26.0	mg/kg	0.186	BKB	02/15/2005 15:39
LEAD - ICP		LEAD	1730	mg/kg	0.186	BKB	02/15/2005 15:39
ZINC - ICP		ZINC	19100	mg/kg	3.71	BKB	02/15/2005 15:39
5011905-24	**SAMPLE ID: WH2-S-4 1'-2'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	53.8	mg/kg	0.209	BKB	02/07/2005 09:07
LEAD - ICP		LEAD	458	mg/kg	0.209	BKB	01/31/2005 14:21
ZINC - ICP		ZINC	24100	mg/kg	0.417	BKB	02/07/2005 09:07
5011905-25	**SAMPLE ID: WH2-S-4 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.923	mg/kg	0.237	BKB	02/07/2005 09:07
LEAD - ICP		LEAD	7.36	mg/L	1.06	BKB	01/27/2005 14:50
ZINC - ICP		ZINC	77.6	mg/kg	0.047	BKB	02/07/2005 09:07
5011905-27	**SAMPLE ID: WH2-S-3 1'-2'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	150	mg/kg	0.118	BKB	02/07/2005 09:07
LEAD - ICP		LEAD	1570	mg/kg	0.592	BKB	01/20/2005 11:02
ZINC - ICP		ZINC	27700	mg/kg	0.237	BKB	02/07/2005 09:07
5011905-28	**SAMPLE ID: WH2-S-3 2'-3'**						

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SAMPLE/ ANALYSIS	METHOD	PARAMETER		RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
5011905-28	**SAMPLE ID: WH2-S-3 2'-3'**							
Total Metals by Inductively Coupled Plasma								
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM		0.931	mg/kg	0.239	BKB	02/07/2005 09:07
LEAD - ICP		LEAD		5.88	mg/kg	0.239	BKB	02/07/2005 09:07
ZINC - ICP		ZINC		87.7	mg/kg	0.048	BKB	02/07/2005 09:07
5011905-32	**SAMPLE ID: WH-E-3 5'-6'**							
Total Metals by Inductively Coupled Plasma								
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM		0.901	mg/kg	0.188	BKB	02/07/2005 09:07
LEAD - ICP		LEAD		6.23	mg/L	0.845	BKB	01/27/2005 14:50
ZINC - ICP		ZINC		49.0	mg/kg	0.038	BKB	02/07/2005 09:07
5011905-33	**SAMPLE ID: WH-S-3 5'-6'**							
Total Metals by Inductively Coupled Plasma								
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM		1.03	mg/kg	0.138	BKB	02/07/2005 09:07
LEAD - ICP		LEAD		5.05	mg/L	0.619	BKB	01/27/2005 14:50
ZINC - ICP		ZINC		46.2	mg/kg	0.028	BKB	02/07/2005 09:07
5011905-34	**SAMPLE ID: WH-N-3 1'-2'**							
Total Metals by Inductively Coupled Plasma								
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM		828	mg/kg	0.108	BKB	02/07/2005 09:07
LEAD - ICP		LEAD		35500	mg/kg	5.00	BKB	01/20/2005 11:02
ZINC - ICP		ZINC	22% Zn	224000	mg/kg	2.15	BKB	02/07/2005 09:07
5011905-35	**SAMPLE ID: WH-N-3 2'-3'**							
Total Metals by Inductively Coupled Plasma								
[illegible]IUM - ICP	EPA 200.7/6010B	CADMIUM		20.0	mg/kg	0.199	BKB	02/07/2005 09:07
[illegible] - ICP		LEAD		37.1	mg/kg	1.99	BKB	02/07/2005 09:07
ZINC - ICP		ZINC		10500	mg/kg	0.397	BKB	02/07/2005 09:07
5011905-36	**SAMPLE ID: WH-N-3 3'-4'**							
Total Metals by Inductively Coupled Plasma								
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM		0.589	mg/kg	0.218	BKB	02/07/2005 09:07
LEAD - ICP		LEAD		2.40	mg/L	0.981	BKB	01/27/2005 14:50
ZINC - ICP		ZINC		891	mg/kg	0.044	BKB	02/07/2005 09:07
5011905-38	**SAMPLE ID: WH-N-4 2'-3'**							
Total Metals by Inductively Coupled Plasma								
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM		229	mg/kg	0.239	BKB	02/07/2005 09:07
LEAD - ICP		LEAD		25400	mg/L	11.3	BKB	01/27/2005 14:50
ZINC - ICP		ZINC	24% Zn	241000	mg/kg	4.78	BKB	02/07/2005 09:07
5011905-39	**SAMPLE ID: WH-N-4 3'-4'**							
Total Metals by Inductively Coupled Plasma								
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM		0.772	mg/kg	0.151	BKB	02/07/2005 09:07
ZINC - ICP		ZINC		97.5	mg/kg	0.030	BKB	02/07/2005 09:07

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CLIENT: Linebach Funkhouser Inc.
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PROJECT NAME: Bay Zinc Soils tests

PROJECT NUMBER: 100-02

SUBMITTED: 04/21/05 13:52

REPORT DATE: 04/29/05 14:18 REPORT NUMBER: 5042105

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX
5042105-01	E-5 0'-1'	04/20/2005	0815	Soil
5042105-02	E-5 2'-3'	04/20/2005	0815	Soil
5042105-04	E-6 0'-1'	04/20/2005	0830	Soil
5042105-05	E-6 2'-3'	04/20/2005	0830	Soil
5042105-07	E-7 0'-1'	04/20/2005	0845	Soil
5042105-08	E-7 2'-3'	04/20/2005	0845	Soil
5042105-10	E-8 0'-1'	04/20/2005	0900	Soil
5042105-11	E-8 2'-3'	04/20/2005	0900	Soil
5042105-13	E-9 0'-1'	04/20/2005	0915	Soil
5042105-14	E-9 2'-3'	04/20/2005	0915	Soil
5042105-16	E-10 0'-1'	04/20/2005	0930	Soil
5042105-17	E-10 2'-3'	04/20/2005	0930	Soil
5042105-19	E-11 0'-1'	04/20/2005	0945	Soil
5042105-20	E-11 2'-3'	04/20/2005	0945	Soil
5042105-22	E-12 0'-1'	04/20/2005	1000	Soil
5042105-23	E-12 2'-3'	04/20/2005	1000	Soil
5042105-31	E-15 0'-1'	04/20/2005	1045	Soil
5042105-32	E-15 2'-3'	04/20/2005	1045	Soil
5042105-34	E-16 0'-1'	04/20/2005	1130	Soil
5042105-35	E-16 2'-3'	04/20/2005	1130	Soil
5042105-37	E-17 0'-1'	04/20/2005	1100	Soil
5042105-38	E-17 2'-3'	04/20/2005	1100	Soil

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SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
5042105-01	**SAMPLE ID: E-5 0'-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	42.9	mg/kg	0.195	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	6440	mg/kg	19.5	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	58100	mg/kg	3.90	BKB	04/27/2005 09:05
5042105-02	**SAMPLE ID: E-5 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	45.0	mg/kg	0.378	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	60.2	mg/kg	0.378	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	36400	mg/kg	7.55	BKB	04/27/2005 09:05
5042105-04	**SAMPLE ID: E-6 0'-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	4.54	mg/kg	0.238	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	333	mg/kg	0.238	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	2760	mg/kg	0.048	BKB	04/27/2005 09:05
5042105-05	**SAMPLE ID: E-6 2'-3'**						
Total Metals by Inductively Coupled Plasma							

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SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
5042105-05	**SAMPLE ID: E-6 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	4.86	mg/kg	0.183	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	395	mg/kg	0.183	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	11900	mg/kg	3.67	BKB	04/27/2005 09:05
5042105-07	**SAMPLE ID: E-7 0'-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	24.9	mg/kg	0.187	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	3920	mg/kg	18.7	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	36200	mg/kg	3.73	BKB	04/27/2005 09:05
5042105-08	**SAMPLE ID: E-7 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.523	mg/kg	0.194	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	14.9	mg/kg	0.194	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	273	mg/kg	0.039	BKB	04/27/2005 09:05
5042105-10	**SAMPLE ID: E-8 0'-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	7.15	mg/kg	0.149	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	535	mg/kg	0.149	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	9110	mg/kg	2.99	BKB	04/27/2005 09:05
5042105-11	**SAMPLE ID: E-8 2'-3'**						
Total Metals by Inductively Coupled Plasma							
IUM - ICP	EPA 200.7/6010B	CADMIUM	1.17	mg/kg	0.433	BKB	04/27/2005 09:05
- ICP		LEAD	21.1	mg/kg	0.433	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	2250	mg/kg	0.087	BKB	04/27/2005 09:05
5042105-13	**SAMPLE ID: E-9 0'-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	4.02	mg/kg	0.218	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	158	mg/kg	0.218	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	4320	mg/kg	0.044	BKB	04/27/2005 09:05
5042105-14	**SAMPLE ID: E-9 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	35.3	mg/kg	0.214	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	5.62	mg/kg	0.214	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	20000	mg/kg	4.28	BKB	04/27/2005 09:05
5042105-16	**SAMPLE ID: E-10 0'-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	12.2	mg/kg	0.189	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	1450	mg/kg	0.189	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	15700	mg/kg	3.78	BKB	04/27/2005 09:05
5042105-17	**SAMPLE ID: E-10 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.469	mg/kg	0.223	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	7.19	mg/kg	0.223	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	63.6	mg/kg	0.045	BKB	04/27/2005 09:05
5042105-19	**SAMPLE ID: E-11 0'-1'**						

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SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
5042105-19	**SAMPLE ID: E-11 0'-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	7.60	mg/kg	0.143	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	7.19	mg/kg	0.143	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	2170	mg/kg	0.029	BKB	04/27/2005 09:05
5042105-20	**SAMPLE ID: E-11 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	41.6	mg/kg	0.214	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	6.16	mg/kg	0.214	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	22200	mg/kg	4.28	BKB	04/27/2005 09:05
5042105-22	**SAMPLE ID: E-12 0'-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.773	mg/kg	0.234	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	15.7	mg/kg	0.234	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	308	mg/kg	0.047	BKB	04/27/2005 09:05
5042105-23	**SAMPLE ID: E-12 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	4.31	mg/kg	0.269	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	106	mg/kg	0.269	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	1570	mg/kg	0.054	BKB	04/27/2005 09:05
5042105-31	**SAMPLE ID: E-15 0'-1'**						
Total Metals by Inductively Coupled Plasma							
[illegible]IUM - ICP	EPA 200.7/6010B	CADMIUM	18.9	mg/kg	0.228	BKB	04/27/2005 09:05
[illegible] - ICP		LEAD	2560	mg/kg	0.228	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	23000	mg/kg	4.56	BKB	04/27/2005 09:05
5042105-32	**SAMPLE ID: E-15 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.745	mg/kg	0.138	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	6.76	mg/kg	0.138	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	52.1	mg/kg	0.028	BKB	04/27/2005 09:05
5042105-34	**SAMPLE ID: E-16 0'-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	5.34	mg/kg	0.164	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	310	mg/kg	0.164	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	1920	mg/kg	0.033	BKB	04/27/2005 09:05
5042105-35	**SAMPLE ID: E-16 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	4.72	mg/kg	0.144	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	424	mg/kg	0.144	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	1710	mg/kg	0.029	BKB	04/27/2005 09:05
5042105-37	**SAMPLE ID: E-17 0'-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	11.3	mg/kg	0.163	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	1040	mg/kg	0.163	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	10800	mg/kg	3.26	BKB	04/27/2005 09:05
5042105-38	**SAMPLE ID: E-17 2'-3'**						

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REPORT DATE: 04/29/05 14:18 REPORT NUMBER: 5042105

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
5042105-38	**SAMPLE ID: E-17 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	231	mg/kg	0.238	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	29500	mg/kg	23.8	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	105000	mg/kg	4.75	BKB	04/27/2005 09:05

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CI CERTIFICATE OF ANALYSIS

CLIENT: Linebach Funkhouser Inc.
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PROJECT NAME: Bay Zinc Soils tests

PROJECT NUMBER: 100-02

SUBMITTED: 04/21/05 13:52

REPORT DATE: 05/18/05 14:04 REPORT NUMBER: 5042105

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX
5042105-01	E-5 0'-1'	04/20/2005	0815	Soil
5042105-02	E-5 2'-3'	04/20/2005	0815	Soil
5042105-03	E-5 3'-4'	04/20/2005	0815	Soil
5042105-04	E-6 0'-1'	04/20/2005	0830	Soil
5042105-05	E-6 2'-3'	04/20/2005	0830	Soil
5042105-06	E-6 3'-4'	04/20/2005	0830	Soil
5042105-07	E-7 0'-1'	04/20/2005	0845	Soil
5042105-08	E-7 2'-3'	04/20/2005	0845	Soil
5042105-10	E-8 0'-1'	04/20/2005	0900	Soil
5042105-11	E-8 2'-3'	04/20/2005	0900	Soil
5042105-13	E-9 0'-1'	04/20/2005	0915	Soil
5042105-14	E-9 2'-3'	04/20/2005	0915	Soil
5042105-16	E-10 0'-1'	04/20/2005	0930	Soil
5042105-17	E-10 2'-3'	04/20/2005	0930	Soil
5042105-19	E-11 0'-1'	04/20/2005	0945	Soil
5042105-20	E-11 2'-3'	04/20/2005	0945	Soil
5042105-21	E-11 3'-4'	04/20/2005	0945	Soil
5042105-22	E-12 0'-1'	04/20/2005	1000	Soil
5042105-23	E-12 2'-3'	04/20/2005	1000	Soil
5042105-25	E-13 0'-1'	04/20/2005	1015	Soil
5042105-26	E-13 2'-3'	04/20/2005	1015	Soil
5042105-28	E-14 0'-1'	04/20/2005	1030	Soil
5042105-29	E-14 2'-3'	04/20/2005	1030	Soil
5042105-31	E-15 0'-1'	04/20/2005	1045	Soil
5042105-32	E-15 2'-3'	04/20/2005	1045	Soil
5042105-34	E-16 0'-1'	04/20/2005	1130	Soil
5042105-35	E-16 2'-3'	04/20/2005	1130	Soil
5042105-37	E-17 0'-1'	04/20/2005	1100	Soil
5042105-38	E-17 2'-3'	04/20/2005	1100	Soil
5042105-39	E-17 3'-4'	04/20/2005	1100	Soil
5042105-41	E-18 2'-3'	04/20/2005	1115	Soil
5042105-42	E-18 3'-4'	04/20/2005	1115	Soil

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
5042105-01	**SAMPLE ID: E-5 0'-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	42.9	mg/kg	0.195	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	6440	mg/kg	19.5	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	58100	mg/kg	3.90	BKB	04/27/2005 09:05
5042105-02	**SAMPLE ID: E-5 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	45.0	mg/kg	0.378	BKB	04/27/2005 09:05

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REPORT DATE: 05/18/05 14:04 REPORT NUMBER: 5042105 PAGE: 2 OF 5

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
5042105-02	**SAMPLE ID: E-5 2'-3'**						
Total Metals by Inductively Coupled Plasma							
LEAD - ICP	EPA 200.7/6010B	LEAD	60.2	mg/kg	0.378	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	36400	mg/kg	7.55	BKB	04/27/2005 09:05
5042105-03	**SAMPLE ID: E-5 3'-4'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.456	mg/kg	0.120	BKB	05/18/2005 10:22
5042105-04	**SAMPLE ID: E-6 0'-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	4.54	mg/kg	0.238	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	333	mg/kg	0.238	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	2760	mg/kg	0.048	BKB	04/27/2005 09:05
5042105-05	**SAMPLE ID: E-6 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	4.86	mg/kg	0.183	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	395	mg/kg	0.183	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	11900	mg/kg	3.67	BKB	04/27/2005 09:05
5042105-06	**SAMPLE ID: E-6 3'-4'**						
Total Metals by Inductively Coupled Plasma							
LEAD - ICP	EPA 200.7/6010B	LEAD	7.93	mg/kg	0.227	BKB	05/18/2005 10:22
5042105-07	**SAMPLE ID: E-7 0'-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	24.9	mg/kg	0.187	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	3920	mg/kg	18.7	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	36200	mg/kg	3.73	BKB	04/27/2005 09:05
5042105-08	**SAMPLE ID: E-7 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.523	mg/kg	0.194	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	14.9	mg/kg	0.194	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	273	mg/kg	0.039	BKB	04/27/2005 09:05
5042105-10	**SAMPLE ID: E-8 0'-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	7.15	mg/kg	0.149	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	535	mg/kg	0.149	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	9110	mg/kg	2.99	BKB	04/27/2005 09:05
5042105-11	**SAMPLE ID: E-8 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	1.17	mg/kg	0.433	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	21.1	mg/kg	0.433	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	2250	mg/kg	0.087	BKB	04/27/2005 09:05
5042105-13	**SAMPLE ID: E-9 0'-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	4.02	mg/kg	0.218	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	158	mg/kg	0.218	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	4320	mg/kg	0.044	BKB	04/27/2005 09:05
5042105-14	**SAMPLE ID: E-9 2'-3'**						

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REPORT DATE: 05/18/05 14:04 REPORT NUMBER: 5042105 PAGE: 3 OF 5

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
5042105-14	**SAMPLE ID: E-9 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	35.3	mg/kg	0.214	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	5.62	mg/kg	0.214	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	20000	mg/kg	4.28	BKB	04/27/2005 09:05
5042105-16	**SAMPLE ID: E-10 0'-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	12.2	mg/kg	0.189	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	1450	mg/kg	0.189	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	15700	mg/kg	3.78	BKB	04/27/2005 09:05
5042105-17	**SAMPLE ID: E-10 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.469	mg/kg	0.223	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	7.19	mg/kg	0.223	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	63.6	mg/kg	0.045	BKB	04/27/2005 09:05
5042105-19	**SAMPLE ID: E-11 0'-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	7.60	mg/kg	0.143	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	7.19	mg/kg	0.143	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	2170	mg/kg	0.029	BKB	04/27/2005 09:05
5042105-20	**SAMPLE ID: E-11 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	41.6	mg/kg	0.214	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	6.16	mg/kg	0.214	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	22200	mg/kg	4.28	BKB	04/27/2005 09:05
5042105-21	**SAMPLE ID: E-11 3'-4'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	1.48	mg/kg	0.182	BKB	05/18/2005 10:22
5042105-22	**SAMPLE ID: E-12 0'-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.773	mg/kg	0.234	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	15.7	mg/kg	0.234	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	308	mg/kg	0.047	BKB	04/27/2005 09:05
5042105-23	**SAMPLE ID: E-12 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	4.31	mg/kg	0.269	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	106	mg/kg	0.269	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	1570	mg/kg	0.054	BKB	04/27/2005 09:05
5042105-25	**SAMPLE ID: E-13 0'-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	2.23	mg/kg	0.072	BKB	05/18/2005 10:22
LEAD - ICP		LEAD	8.89	mg/kg	0.0723	BKB	05/18/2005 10:22
ZINC - ICP		ZINC	649	mg/kg	0.014	BKB	05/18/2005 10:22
5042105-26	**SAMPLE ID: E-13 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.669	mg/kg	0.257	BKB	05/18/2005 10:22
LEAD - ICP		LEAD	14.1	mg/kg	0.257	BKB	05/18/2005 10:22

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CI CERTIFICATE OF ANALYSIS

REPORT DATE: 05/18/05 14:04 REPORT NUMBER: 5042105

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
5042105-26	**SAMPLE ID: E-13 2'-3'**						
Total Metals by Inductively Coupled Plasma							
ZINC - ICP	EPA 200.7/6010B	ZINC	71.6	mg/kg	0.051	BKB	05/18/2005 10:22
5042105-28	**SAMPLE ID: E-14 0'-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	23.4	mg/kg	0.119	BKB	05/18/2005 10:22
LEAD - ICP		LEAD	2780	mg/kg	11.9	BKB	05/18/2005 10:22
ZINC - ICP		ZINC	18600	mg/kg	2.38	BKB	05/18/2005 10:22
5042105-29	**SAMPLE ID: E-14 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.572	mg/kg	0.147	BKB	05/18/2005 10:22
LEAD - ICP		LEAD	6.62	mg/kg	0.147	BKB	05/18/2005 10:22
ZINC - ICP		ZINC	51.0	mg/kg	0.029	BKB	05/18/2005 10:22
5042105-31	**SAMPLE ID: E-15 0'-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	18.9	mg/kg	0.228	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	2560	mg/kg	0.228	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	23000	mg/kg	4.56	BKB	04/27/2005 09:05
5042105-32	**SAMPLE ID: E-15 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.745	mg/kg	0.138	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	6.76	mg/kg	0.138	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	52.1	mg/kg	0.028	BKB	04/27/2005 09:05
5042105-34	**SAMPLE ID: E-16 0'-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	5.34	mg/kg	0.164	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	310	mg/kg	0.164	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	1920	mg/kg	0.033	BKB	04/27/2005 09:05
5042105-35	**SAMPLE ID: E-16 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	4.72	mg/kg	0.144	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	424	mg/kg	0.144	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	1710	mg/kg	0.029	BKB	04/27/2005 09:05
5042105-37	**SAMPLE ID: E-17 0'-1'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	11.3	mg/kg	0.163	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	1040	mg/kg	0.163	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	10800	mg/kg	3.26	BKB	04/27/2005 09:05
5042105-38	**SAMPLE ID: E-17 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	231	mg/kg	0.238	BKB	04/27/2005 09:05
LEAD - ICP		LEAD	29500	mg/kg	23.8	BKB	04/27/2005 09:05
ZINC - ICP		ZINC	105000	mg/kg	4.75	BKB	04/27/2005 09:05
5042105-39	**SAMPLE ID: E-17 3'-4'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	0.419	mg/kg	0.168	BKB	05/18/2005 10:22

Authorized for Release By:Richard D. Reid - Laboratory Director

CI CERTIFICATE OF ANALYSIS

REPORT DATE: 05/18/05 14:04 **REPORT NUMBER: 5042105**

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
5042105-39	**SAMPLE ID: E-17 3'-4'**						
Total Metals by Inductively Coupled Plasma							
LEAD - ICP	EPA 200.7/6010B	LEAD	8.50	mg/kg	0.168	BKB	05/18/2005 10:22
ZINC - ICP		ZINC	42.7	mg/kg	0.034	BKB	05/18/2005 10:22
5042105-41	**SAMPLE ID: E-18 2'-3'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	20.7	mg/kg	0.132	BKB	05/18/2005 10:22
LEAD - ICP		LEAD	3600	mg/kg	13.2	BKB	05/18/2005 10:22
ZINC - ICP		ZINC	20700	mg/kg	2.64	BKB	05/18/2005 10:22
5042105-42	**SAMPLE ID: E-18 3'-4'**						
Total Metals by Inductively Coupled Plasma							
CADMIUM - ICP	EPA 200.7/6010B	CADMIUM	3.56	mg/kg	0.125	BKB	05/18/2005 10:22
LEAD - ICP		LEAD	3.96	mg/kg	0.125	BKB	05/18/2005 10:22
ZINC - ICP		ZINC	346	mg/kg	0.025	BKB	05/18/2005 10:22

Authorized for Release By:Richard D. Reid - Laboratory Director

COLUMBIA INSPECTION, INC 7133 N. Lombard, Portland, OR 97203 Phone:(503) 286-9464 Fax:(503) 286-5355 E-mail:lab@Columbiainspection.com

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD
AND
NON-COMMERCIAL BILL OF LADING

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831
☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 4592 E 2nd Street, Ste 'A', Benicia, CA 94510 Ph: (707) 748-7587 Fax: (707) 748-7764
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name:	LINEBAUGH FOUNTAIN Inc.
Attention:	BARDLEY COLE
Address:	114 FAIRWAY AVE. LEX KY 40767
Phone:	502-475-5004
Fax:	502-875-4805
Sampler:	BARDLEY COLE ☐ Submitted

Project Name:	BAY ZERO
Project Number:	100-02
P.O. Number:	100-02
Testing Priority	Notification Method(s)
☑ Normal	☐ Telephone
☐ Rush	☐ Email
Due Date:	☐ Mail

	Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analysis To Be Performed: LEAD
16		WH2-E-3 2'-3'	Soil	1-18-05	1215	X
		WH2-E-3 3'-4'			1220	X
18		WH2-S-6 1'-2'			~~1225~~ 1235	X
		WH2-S-6 2'-3'			~~1230~~ 1240	X
20		WH2-S-6 3'-4'			1245	X
		WH2-S-6 1'-2'			1250	X
22		WH2-S-5 2'-3'			1255	X
		WH2-S-5 3'-4'			1300	X
24		WH2-S-4 1'-2'			1305	X
		WH2-S-4 2'-3'			1310	X
26		WH2-S-4 3'-4'			1315	X
	—	WH2-S-3 1'-2'			1320	X
28		WH2-S-3 2'-3'			1325	X
		WH2-S-3 3'-4'			1330	X
30		WH2-S-3 4'-5'	↓	↓	1335	X

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	1-18-05 1445		
Relinquished By:	Date/Time	Received By:	Date/Time
		[signature]	1/19 1115

FOR LABORATORY USE ONLY

2/4

Inspection Job Number: _____ PO# _____

Laboratory Project Number: 501905 Cash/check # _____

Due Date: _____ Amount Paid: $ _____

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☐ 4592 E 2nd Street, Ste 'A', Benicia, CA 94510 — Ph: (707) 748-7587 Fax: (707) 748-7764
☐ 797 Channel Street, San Pedro, CA 90731 — Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name:	LINEBACH NIKHOUSER
Attention:	Brad Coyle
Address:	114 FAIRWAY Lex, KY
Phone:	502-272-5000
Fax:	4005
Sampler:	Brad Coyle ☐ Submitted

Project Name:	Kay Zinc
Project Number:	100-02
P.O. Number:	100-02
Testing Priority	Notification Method(s)
☑ Normal	☐ Telephone
☐ Rush	☐ Email
Due Date:	☑ Mail

	Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	LEAD												
31		WH-E-3 4'-5'	Soil	1-18-05	1225	X												
32		WH-E-3 5'-6'			1230	X												
		WH-S-3 5'-6'			1340	X												
34		WH-N-3 1'-2'			1345	X												
		WH-N-3 2'-3'			1350	X												
36		WH-N-3 3'-4'			1355	X										X	TCLP	
		WH N-4 1'-2'			1400	X											Archive	
38		WH-N-4 2'-3'			1405	X											N-3	
		WH-N-4 3'-4'	↓	↓	1410	X										X	3 of 4	

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	1-18-05 1445		
Relinquished By:	Date/Time	Received By: [signature]	Date/Time 1/19/05 1115

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Inspection Job Number: 3/4 PO# _____

Laboratory Project Number: 5041985 Cash/check # _____

Due Date: _____ Amount Paid: $ _____

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AND
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☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 4592 E 2nd Street, Ste 'A', Benicia, CA 94510 Ph: (707) 748-7587 Fax: (707) 748-7764
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name:	LOUISVILLE FUNKHOUSER INC.
Attention:	BRADLEY COLE
Address:	14 Fairfax Ave Lou, KY 40207
Phone:	502-895-5201
Fax:	502-895-4405
Sampler:	BRADLEY COLE ☐ Submitted

Project Name:	BAY ZINC
Project Number:	100-02
P.O. Number:	100-02

Testing Priority: ☑ Normal ☐ Rush
Due Date: _____
Notification Method(s): ☐ Telephone ☐ Email ☑ Mail

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analysis To Be Performed: LEAD	
	VH2-W-5 1'-2'	Soil	1/18/05	1100	X	
	VH2-W-5 2'-3'			1105	X	
	VH2-W-5 3'-4'			1110	X	
	VH2-W-4 1'-2'			1115	X	
	VH2-W-4 2'-3'			1120	X	
	VH2-W-4 3'-4'			1125	X	
—	VH2-W-3 1'-2'			1130	X	TP
	VH2-W-3 2'-3'			1135	X	
	VH2-W-3 3'-4'			1140	X	
	VH2-W-3 4'-5'			1145	X	
	VH2-W-3 5'-6'			1150	X	
	VH2-E-4 1'-2'			1155	X	
	VH2-E-4 2'-3'			1200	X	
	VH2-E-4 3'-4'			1205	X	
—	VH2-E-3 1'-2'	↓	↓	1210	X	TP

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	1-18-05 1445	[signature]	1/19 1115
Relinquished By:	Date/Time	Received By:	Date/Time

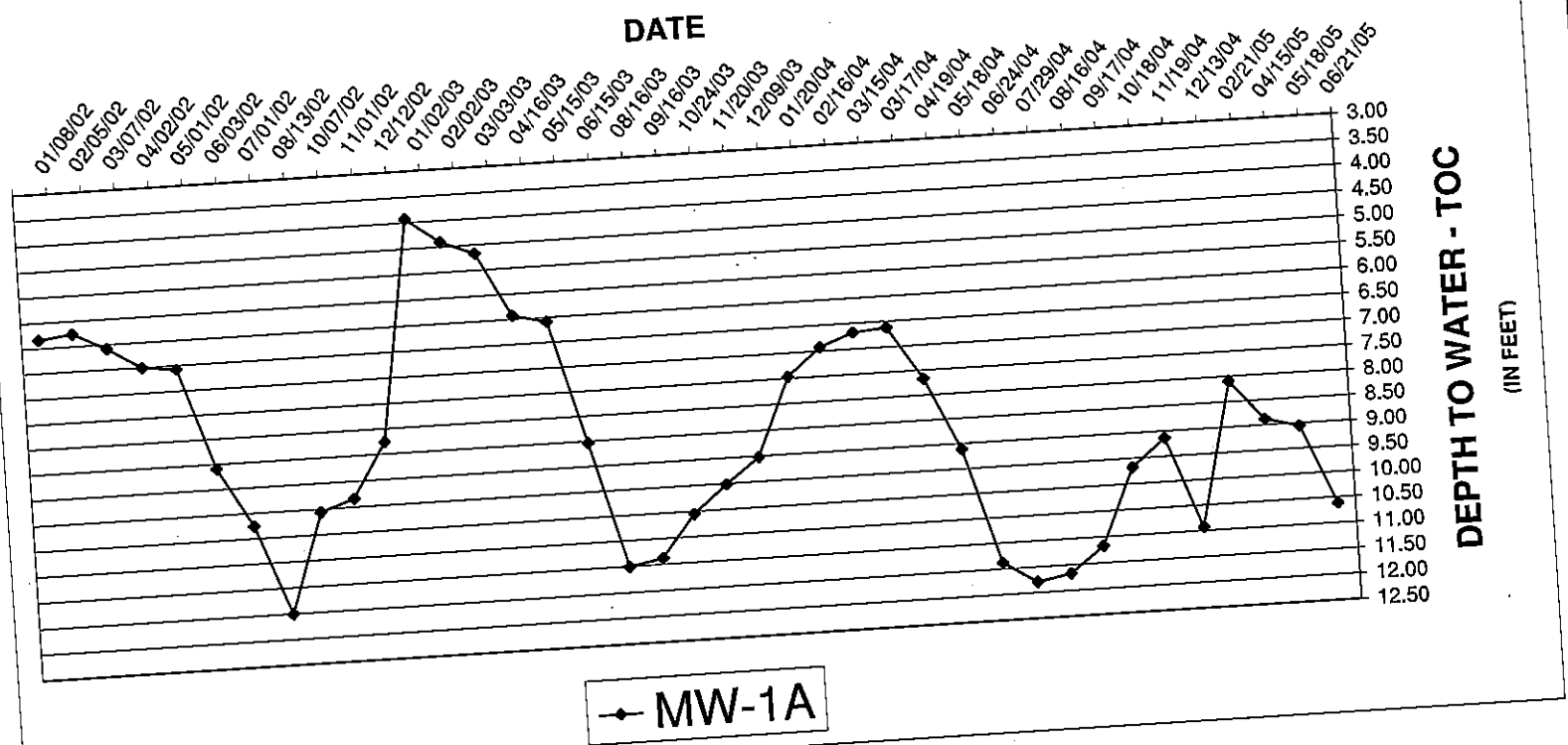
FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO# _____
Laboratory Project Number: 501725 Cash/check # _____
Due Date: _____ Amount Paid: $ _____

Appendix C

Time-Trend Plots of Groundwater Levels in Monitoring Wells

DEPTH TO GROUNDWATER - MW-1A



THE BAY ZINC COMPANY, INC.
MOXEE, WASHINGTON

PROJECT NUMBER 100-02

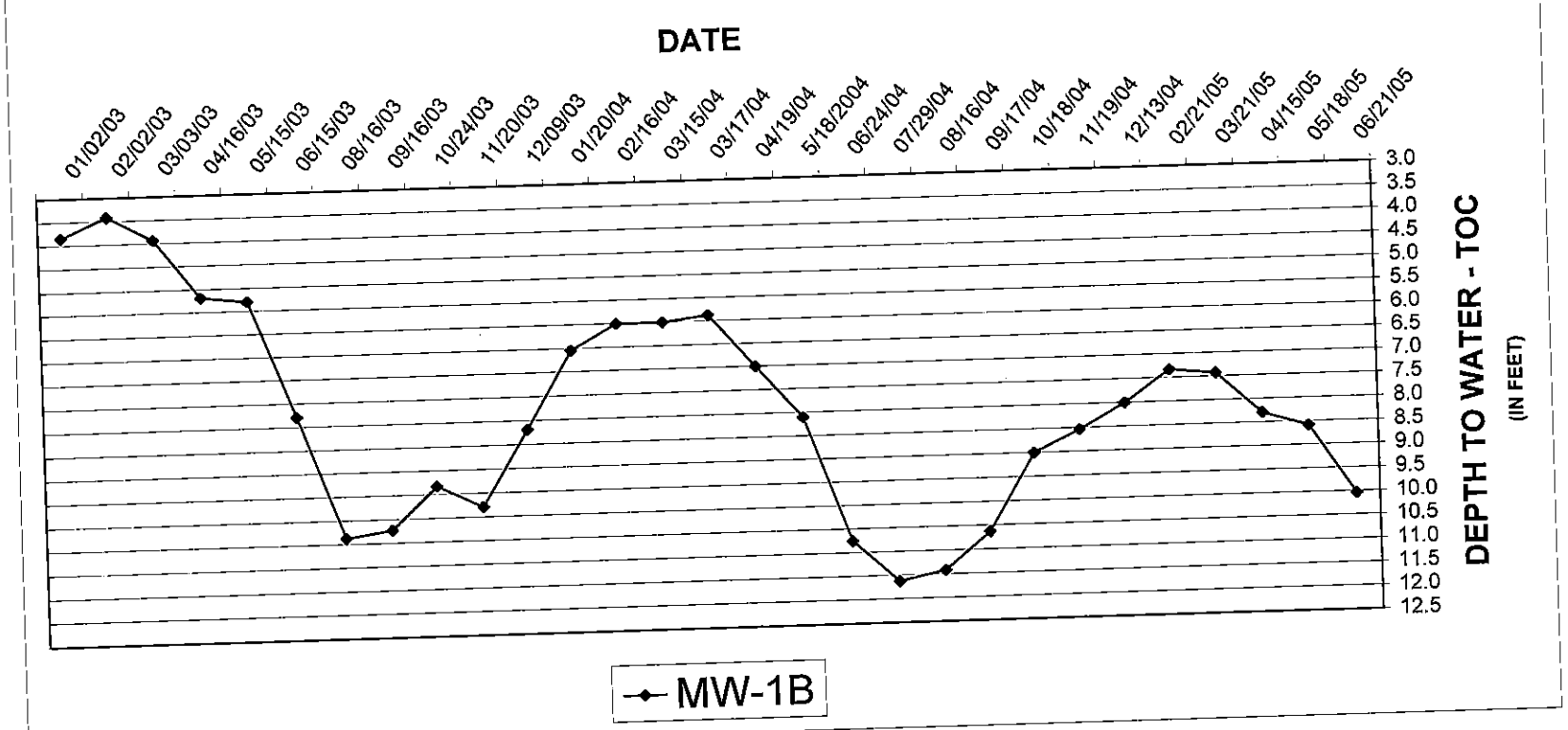
Linebach • Funkhouser, Inc.
environmental compliance & consulting

MW-1A

CUMULATIVE TIME TREND PLOT
DEPTH TO GROUNDWATER

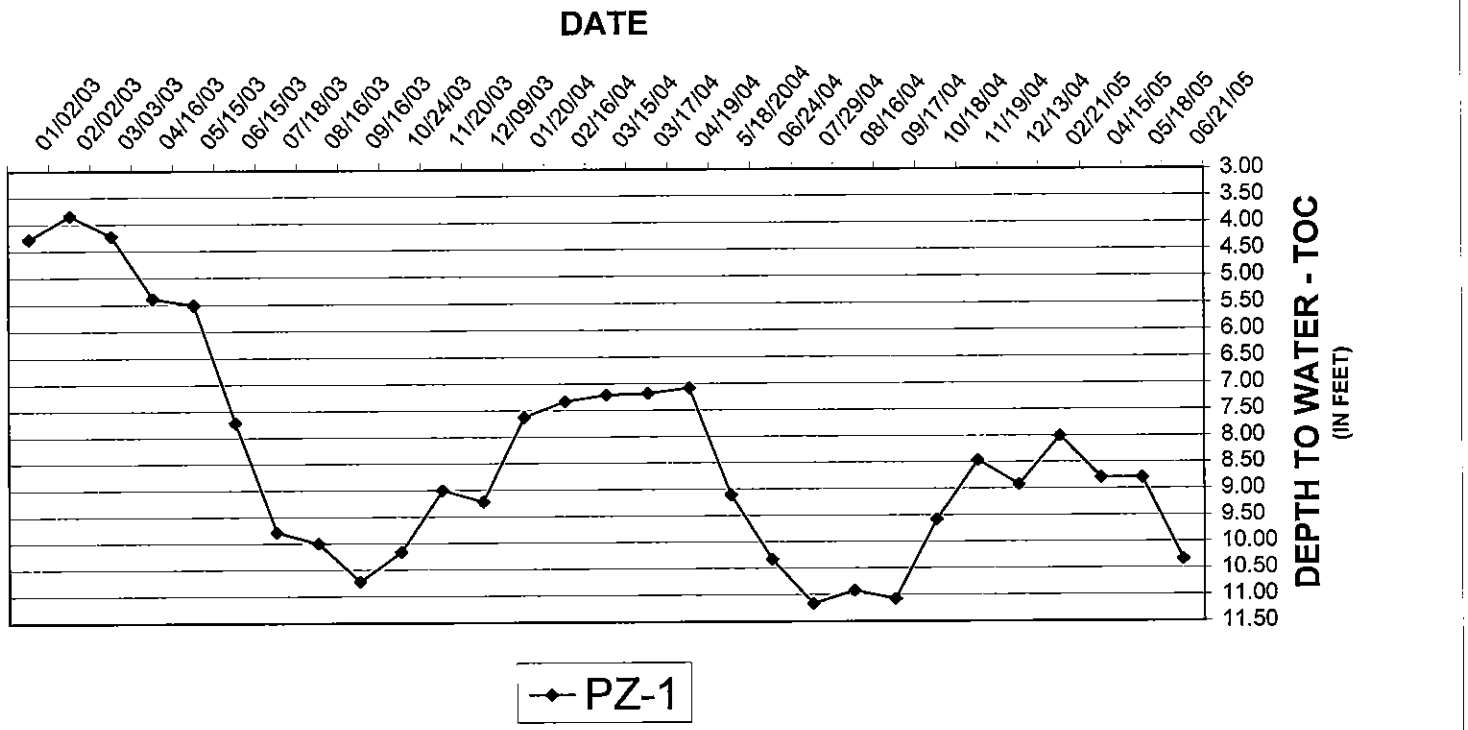
JANUARY 2003 - JUNE 2005

DEPTH TO GROUNDWATER - MW-1B



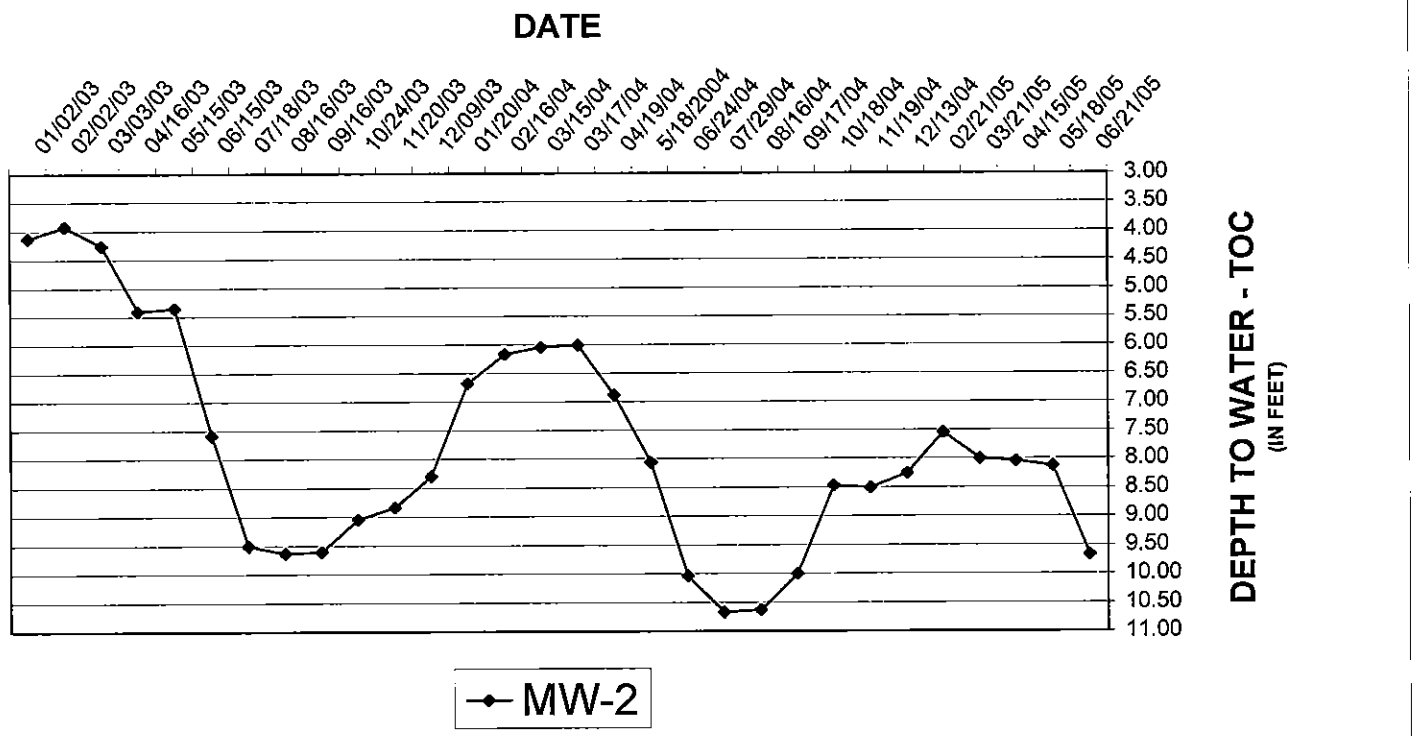
THE BAY ZINC COMPANY, INC. MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	MW-1B CUMULATIVE TIME TREND PLOT DEPTH TO GROUNDWATER JANUARY 2003 - JUNE 2005

DEPTH TO GROUNDWATER - PZ-1



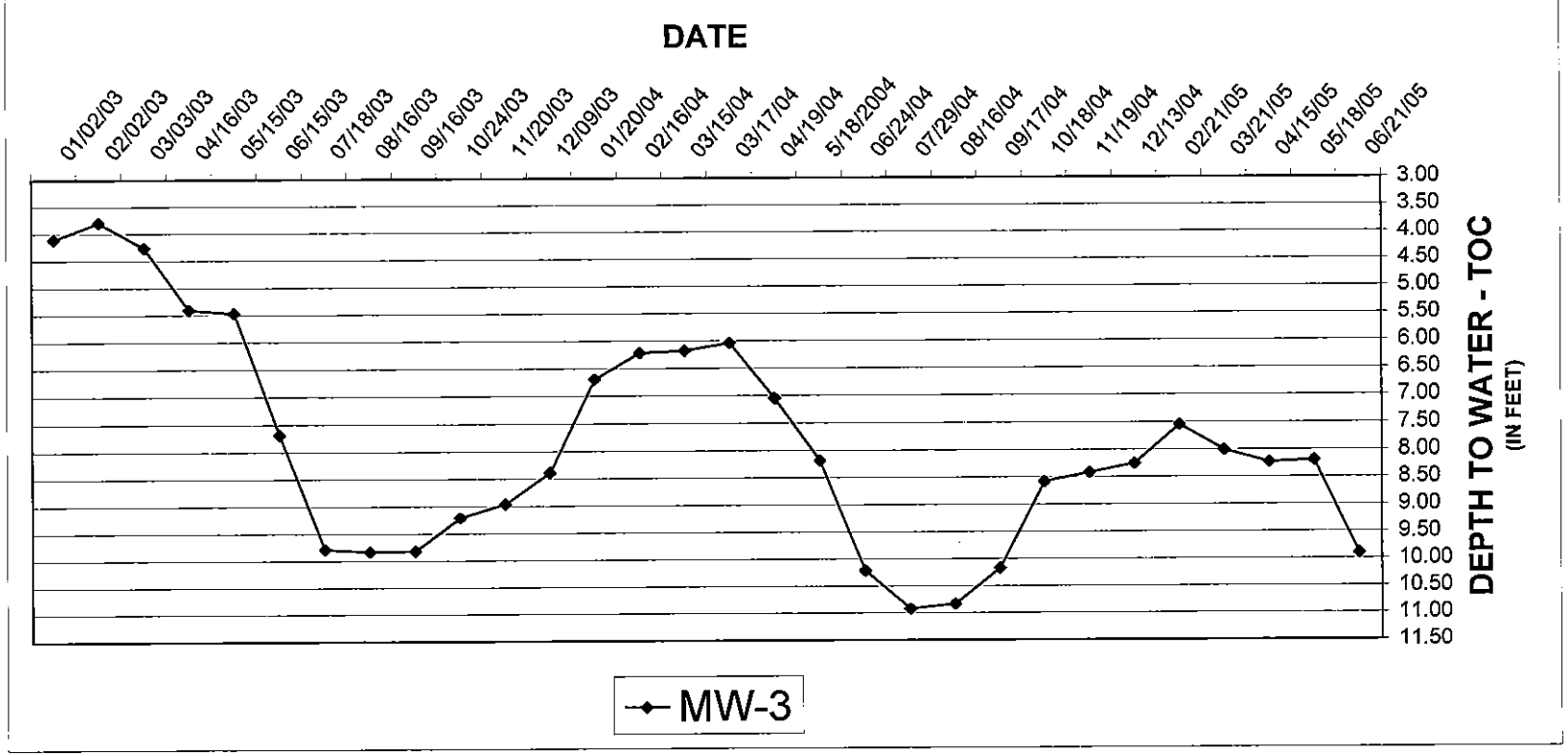
THE BAY ZINC COMPANY, INC. MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	PZ-1 CUMULATIVE TIME TREND PLOT DEPTH TO GROUNDWATER JANUARY 2003 - JUNE 2005

DEPTH TO GROUNDWATER - MW-2



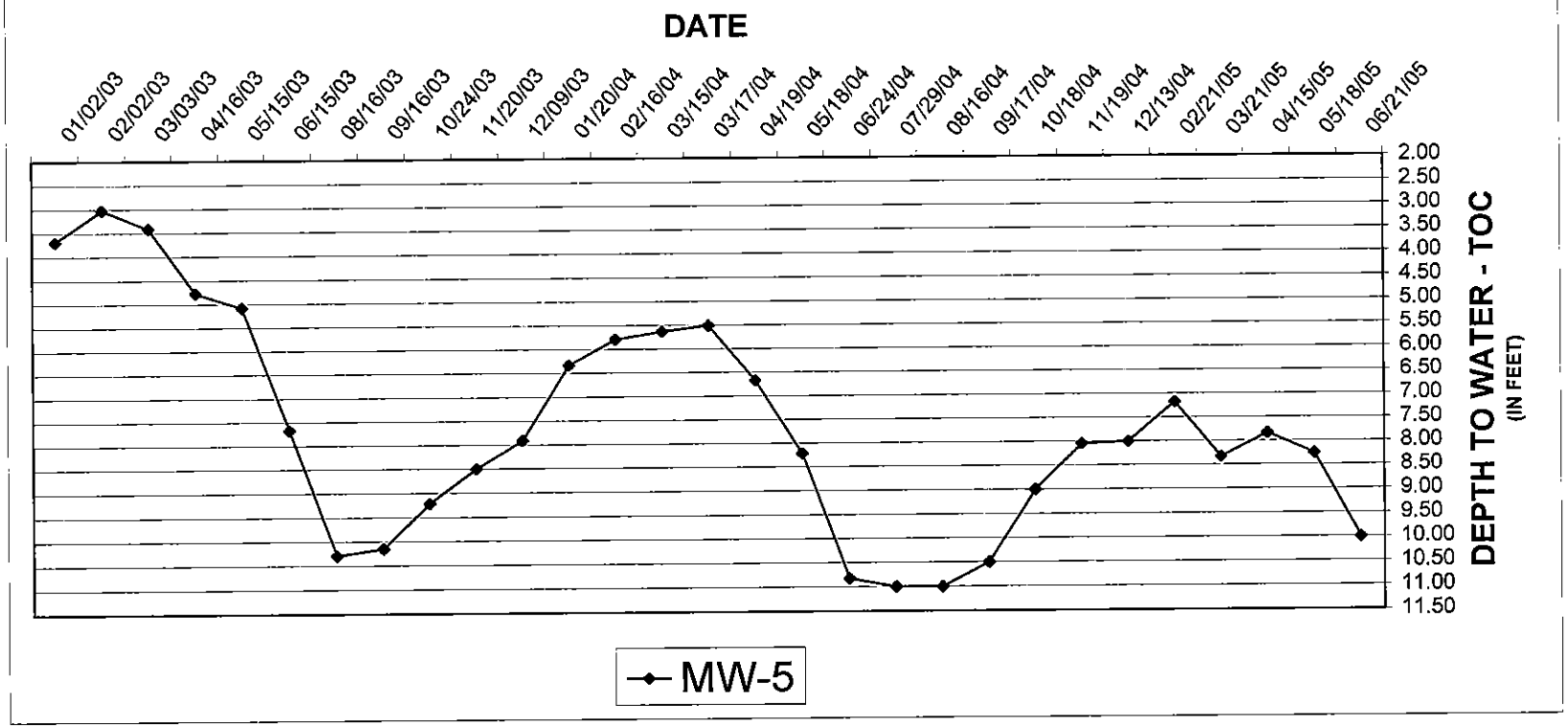
THE BAY ZINC COMPANY, INC. MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	MW-2 CUMULATIVE TIME TREND PLOT DEPTH TO GROUNDWATER JANUARY 2003 - JUNE 2005

DEPTH TO GROUNDWATER - MW-3



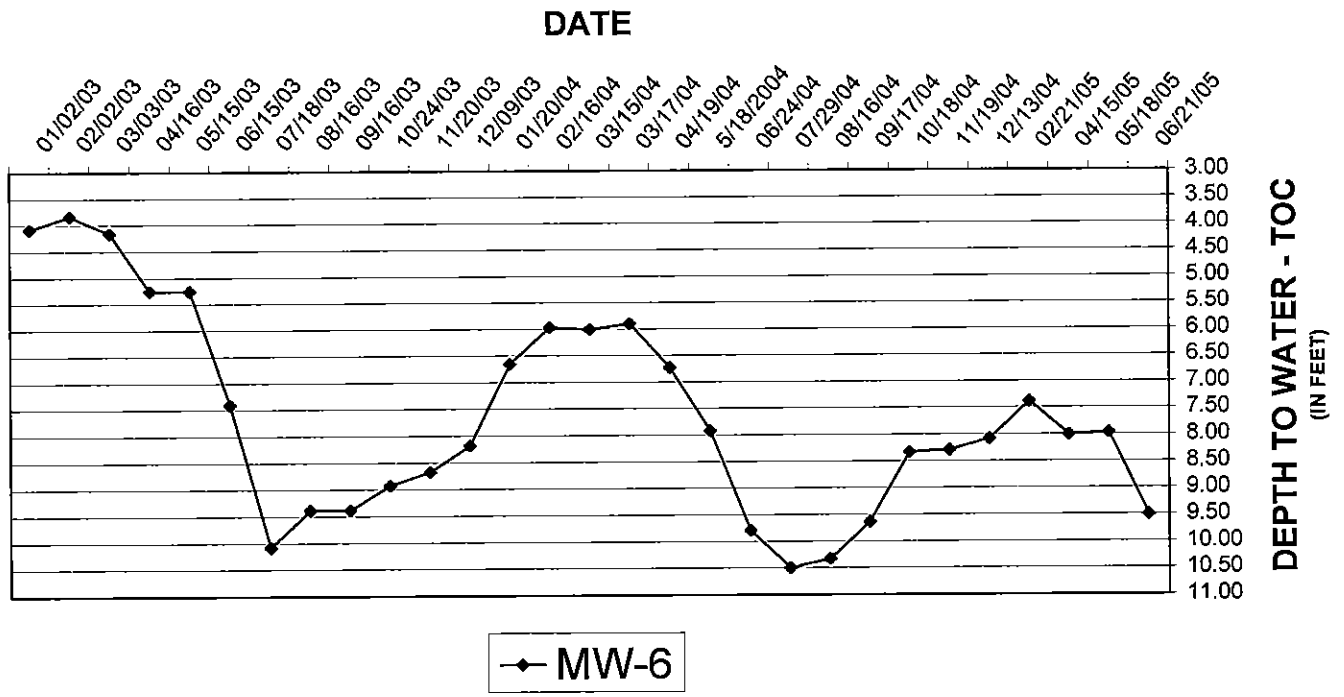
THE BAY ZINC COMPANY, INC. MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach • Funkhouser, Inc. *environmental compliance & consulting*	MW-3 CUMULATIVE TIME TREND PLOT DEPTH TO GROUNDWATER JANUARY 2003 - JUNE 2005

DEPTH TO GROUNDWATER - MW-5



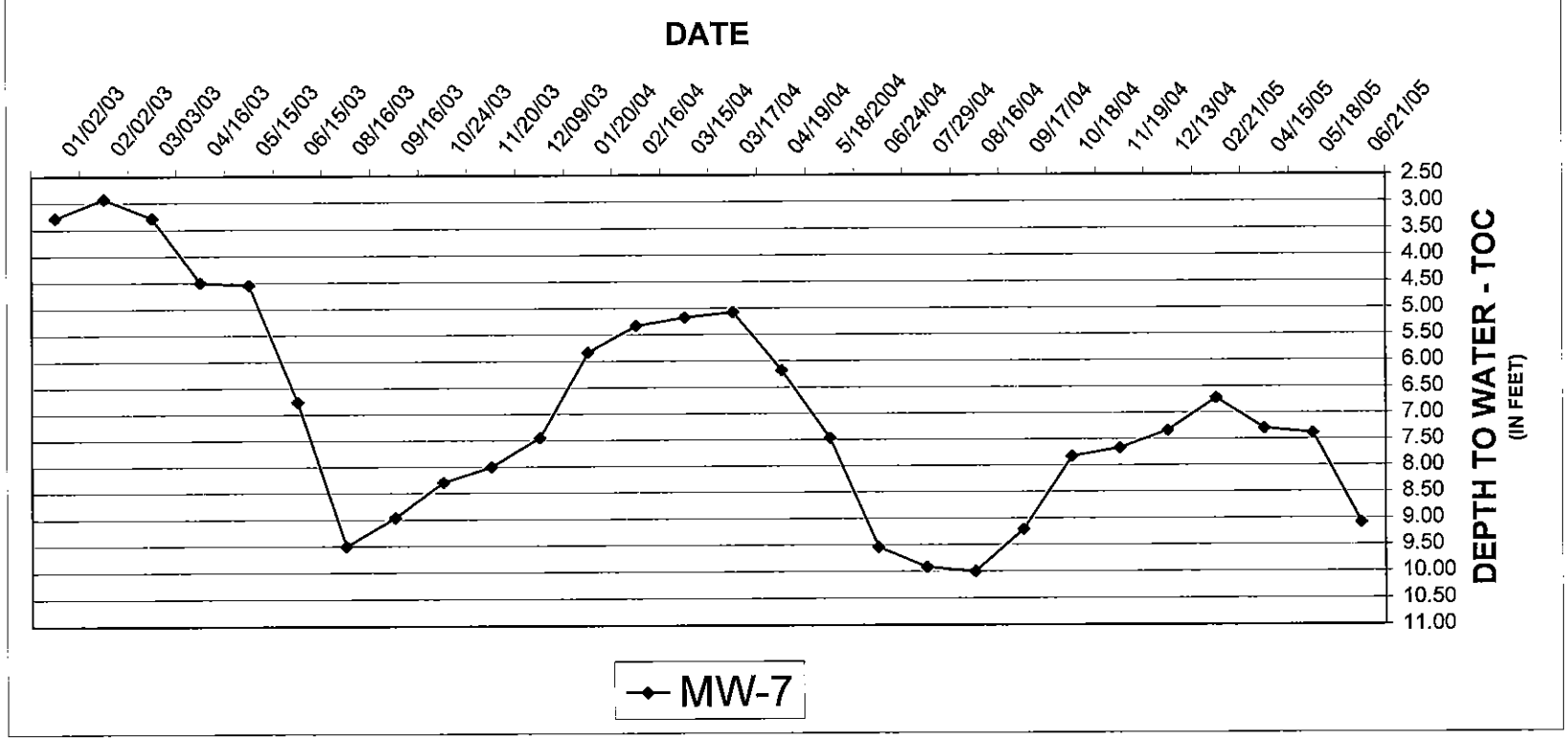
THE BAY ZINC COMPANY, INC. MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	MW-5 CUMULATIVE TIME TREND PLOT DEPTH TO GROUNDWATER JANUARY 2003 - JUNE 2005

DEPTH TO GROUNDWATER - MW-6



THE BAY ZINC COMPANY, INC. MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	MW-6 CUMULATIVE TIME TREND PLOT DEPTH TO GROUNDWATER JANUARY 2003 - JUNE 2005

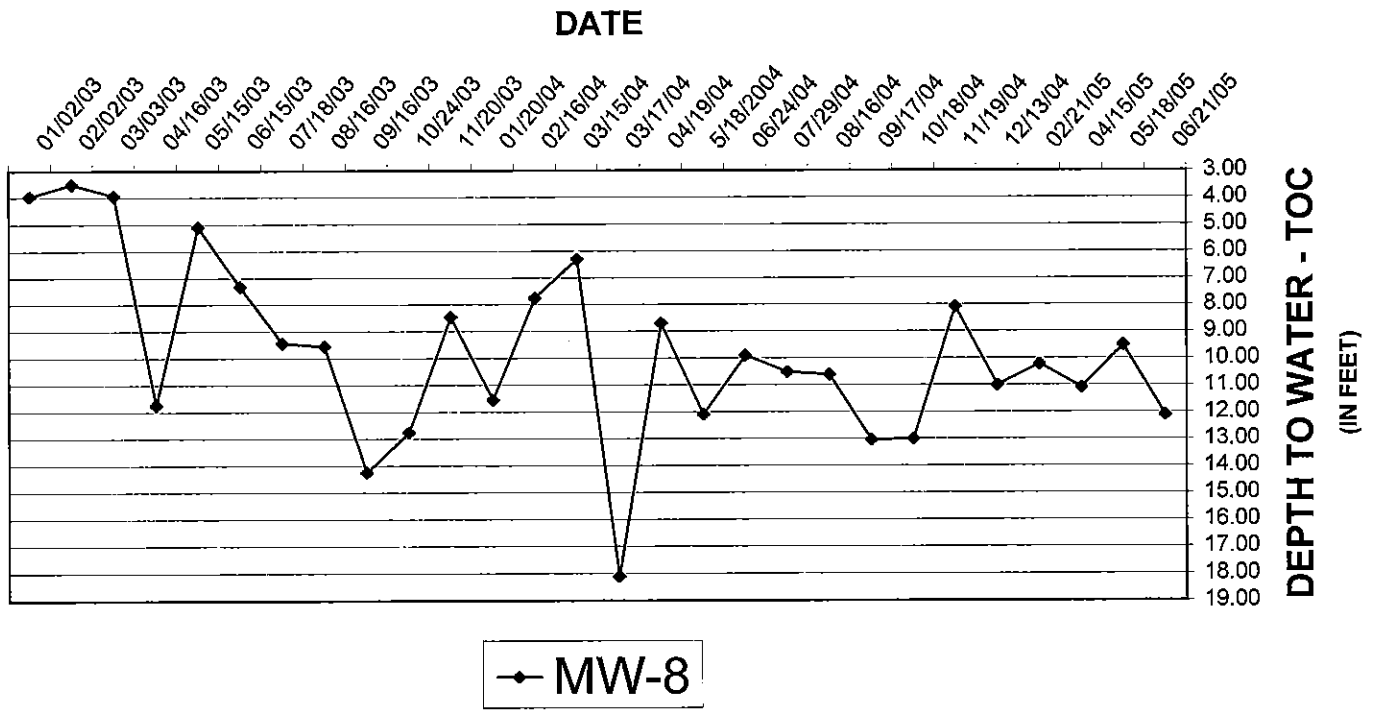
DEPTH TO GROUNDWATER - MW-7



THE BAY ZINC COMPANY, INC. MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	MW-7 CUMULATIVE TIME TREND PLOT DEPTH TO GROUNDWATER JANUARY 2003 - JUNE 2005

DEPTH TO GROUNDWATER - MW-8

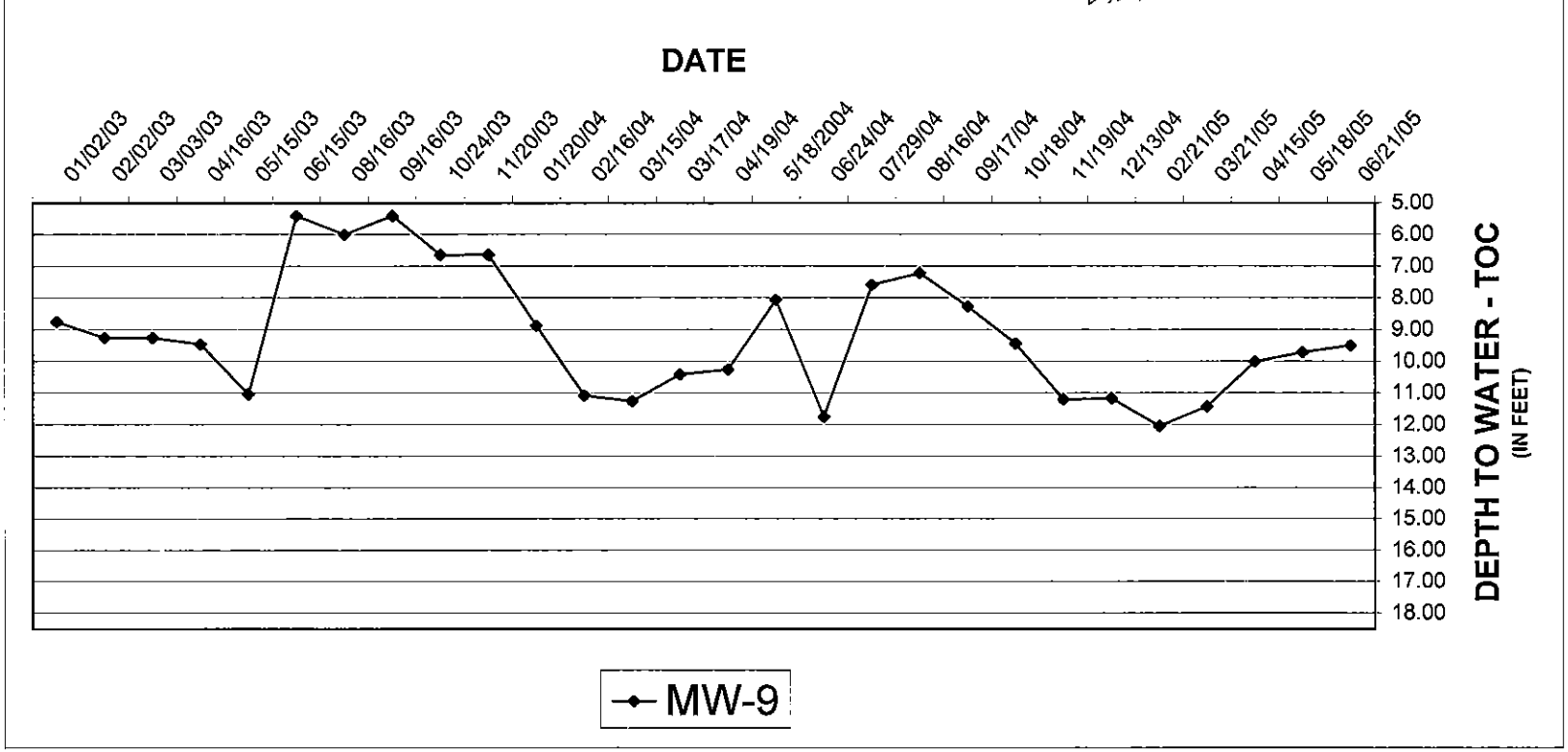
pumping well - irrellevant



THE BAY ZINC COMPANY, INC. MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach • Funkhouser, Inc. *environmental compliance & consulting*	MW-8 CUMULATIVE TIME TREND PLOT DEPTH TO GROUNDWATER JANUARY 2003 - JUNE 2005

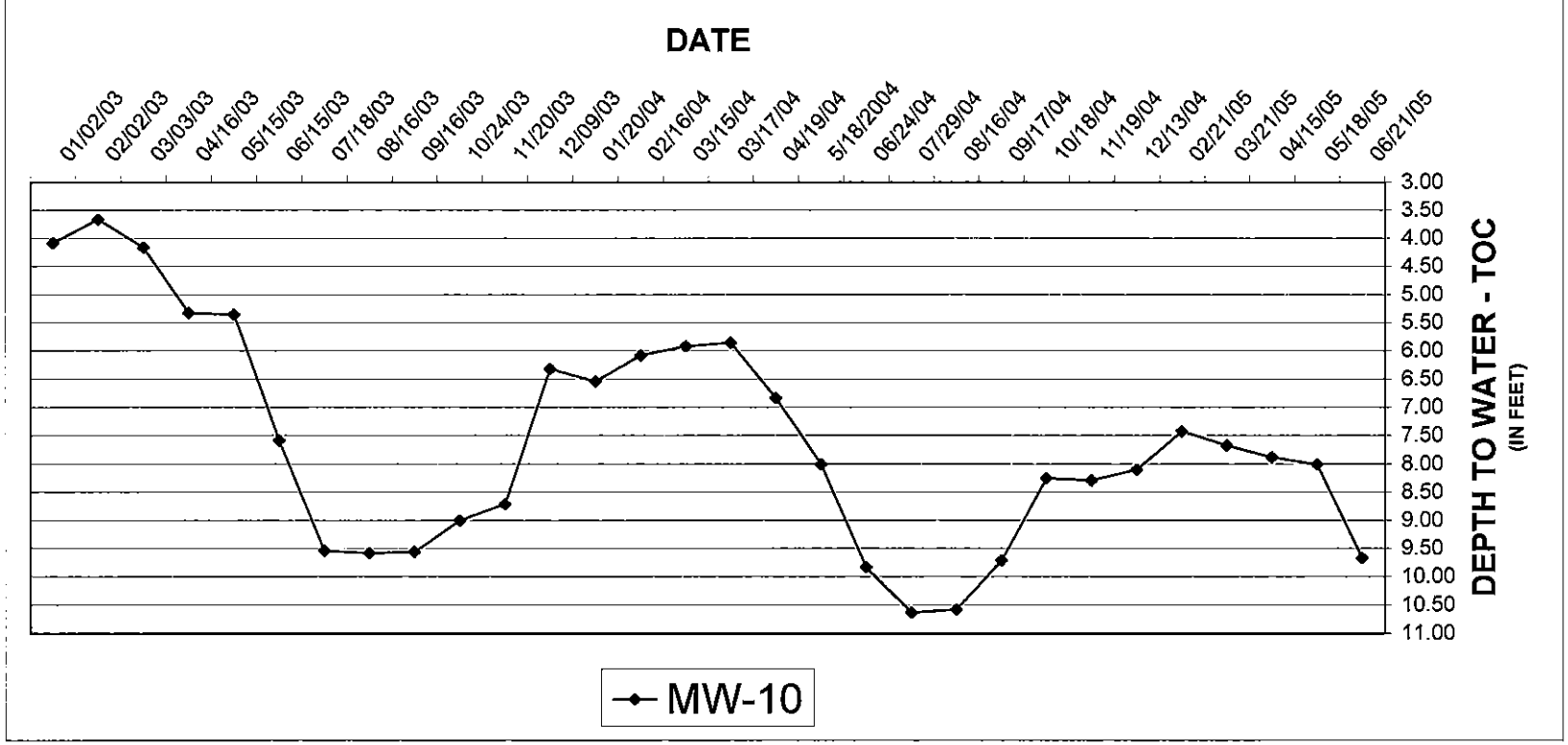
DEPTH TO GROUNDWATER - MW-9

DISSIMILAR

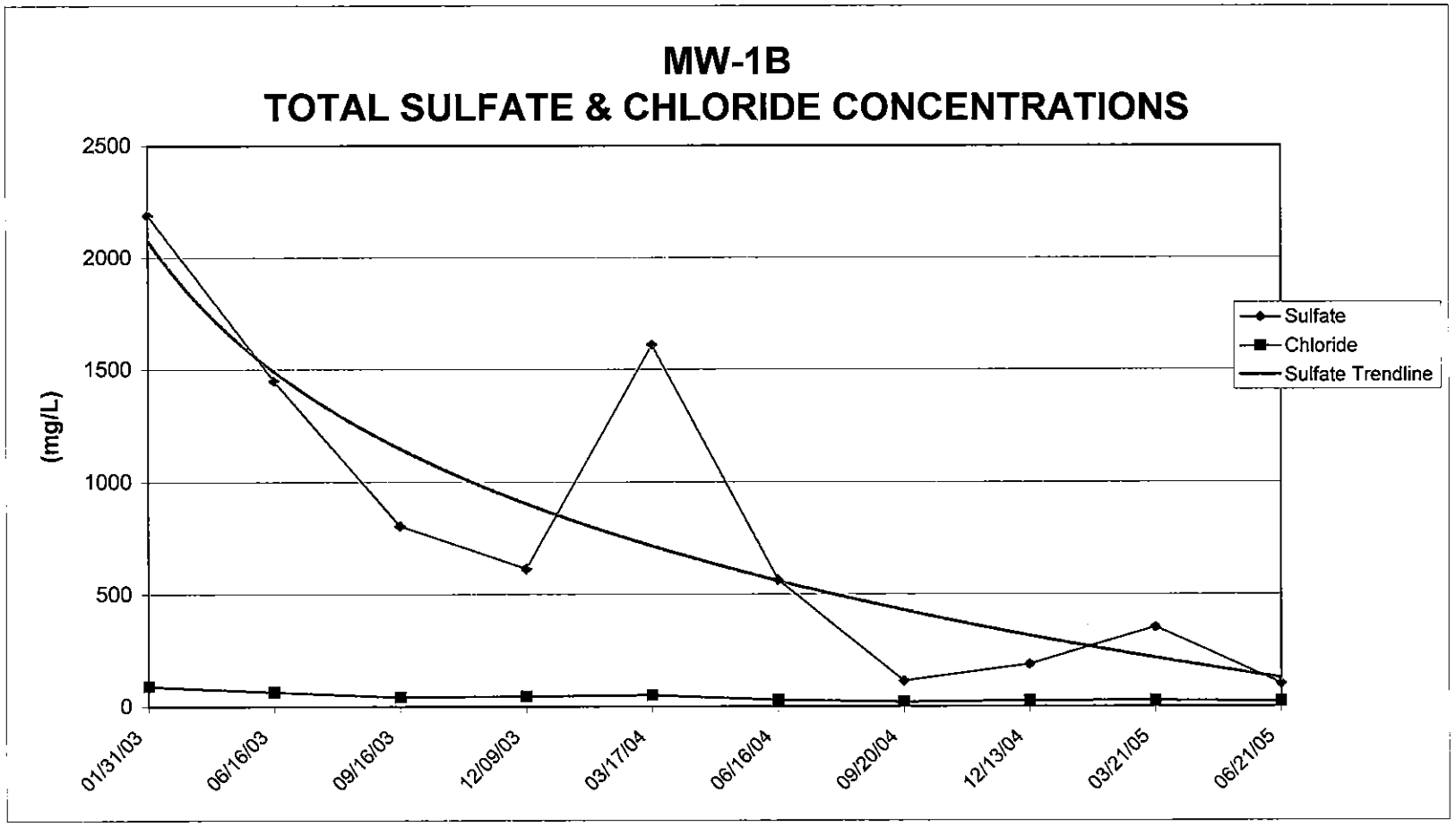


THE BAY ZINC COMPANY, INC. MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	MW-9 CUMULATIVE TIME TREND PLOT DEPTH TO GROUNDWATER JANUARY 2003 - JUNE 2005

DEPTH TO GROUNDWATER - MW-10



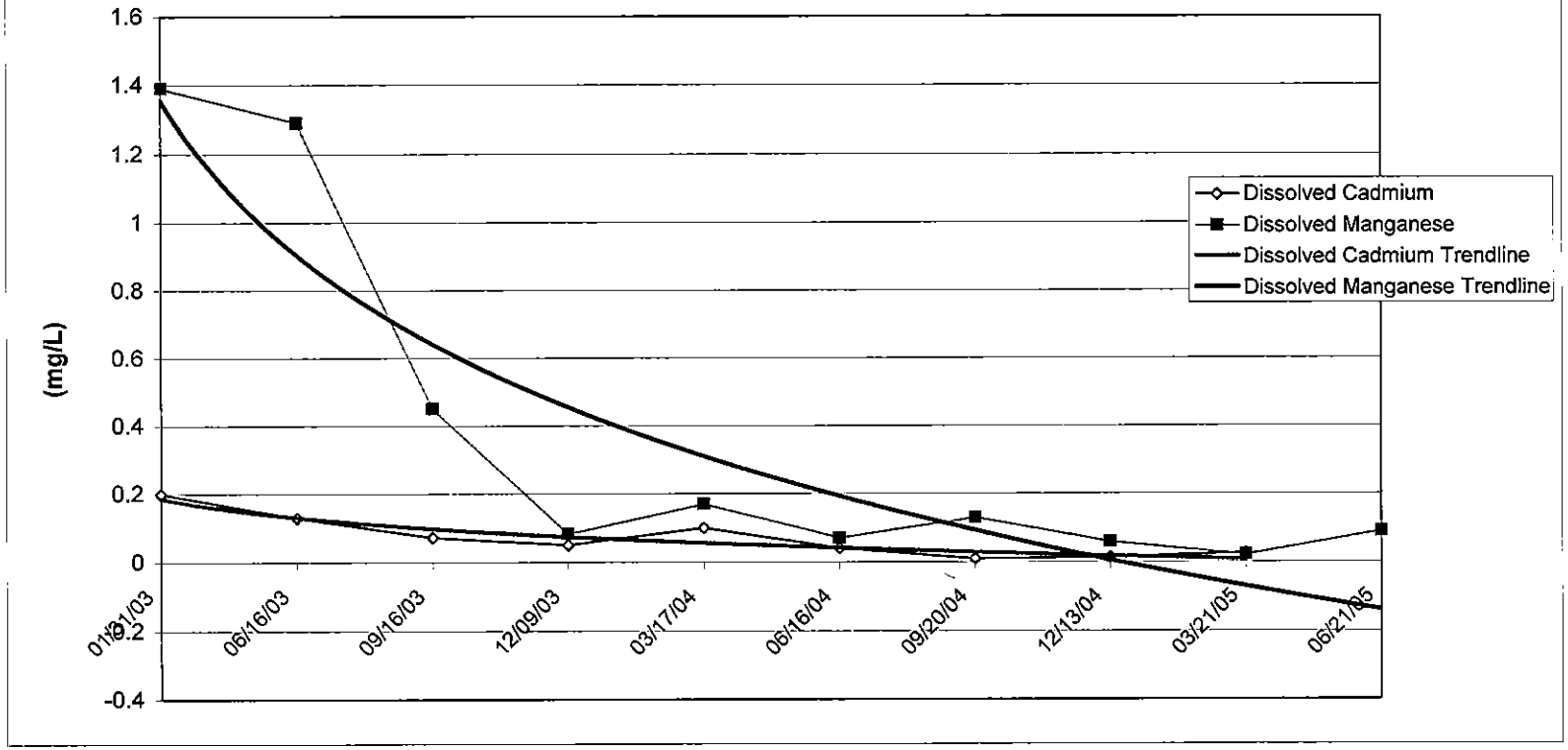
THE BAY ZINC COMPANY, INC. MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	MW-10 CUMULATIVE TIME TREND PLOT DEPTH TO GROUNDWATER JANUARY 2003 - JUNE 2005



Note: MCL 250 mg/l

THE BAY ZINC COMPANY MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach • Funkhouser, Inc. *environmental compliance & consulting*	MW-1B TIME TREND PLOT TOTAL SULFATE/CHLORIDE JANUARY 2003 - JUNE 2005

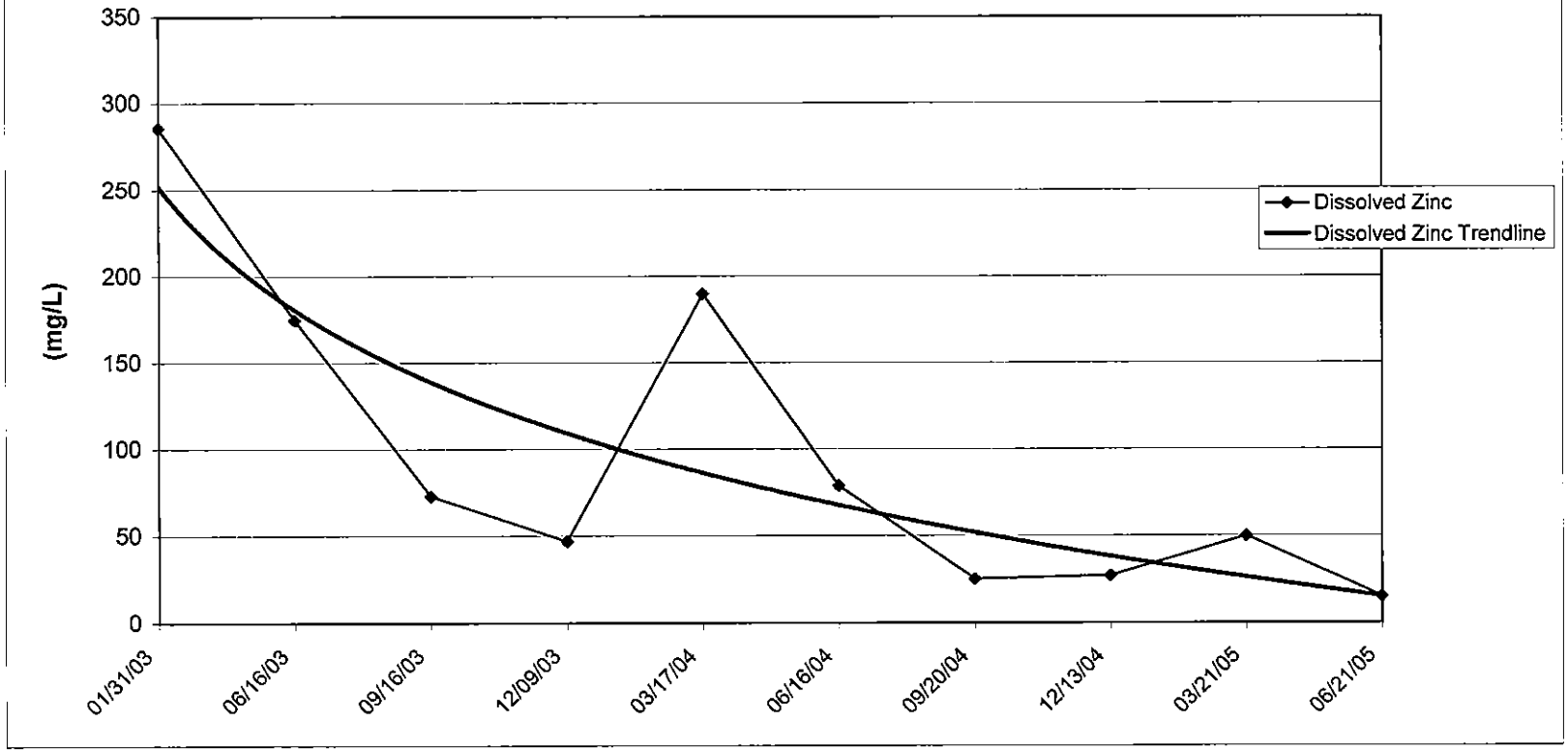
MW-1B
TOTAL DISSOLVED CADMIUM & MANGANESE



Note: MCL 0.005 mg/l Cadmium
Note: MCL 0.05 mg/l Manganese

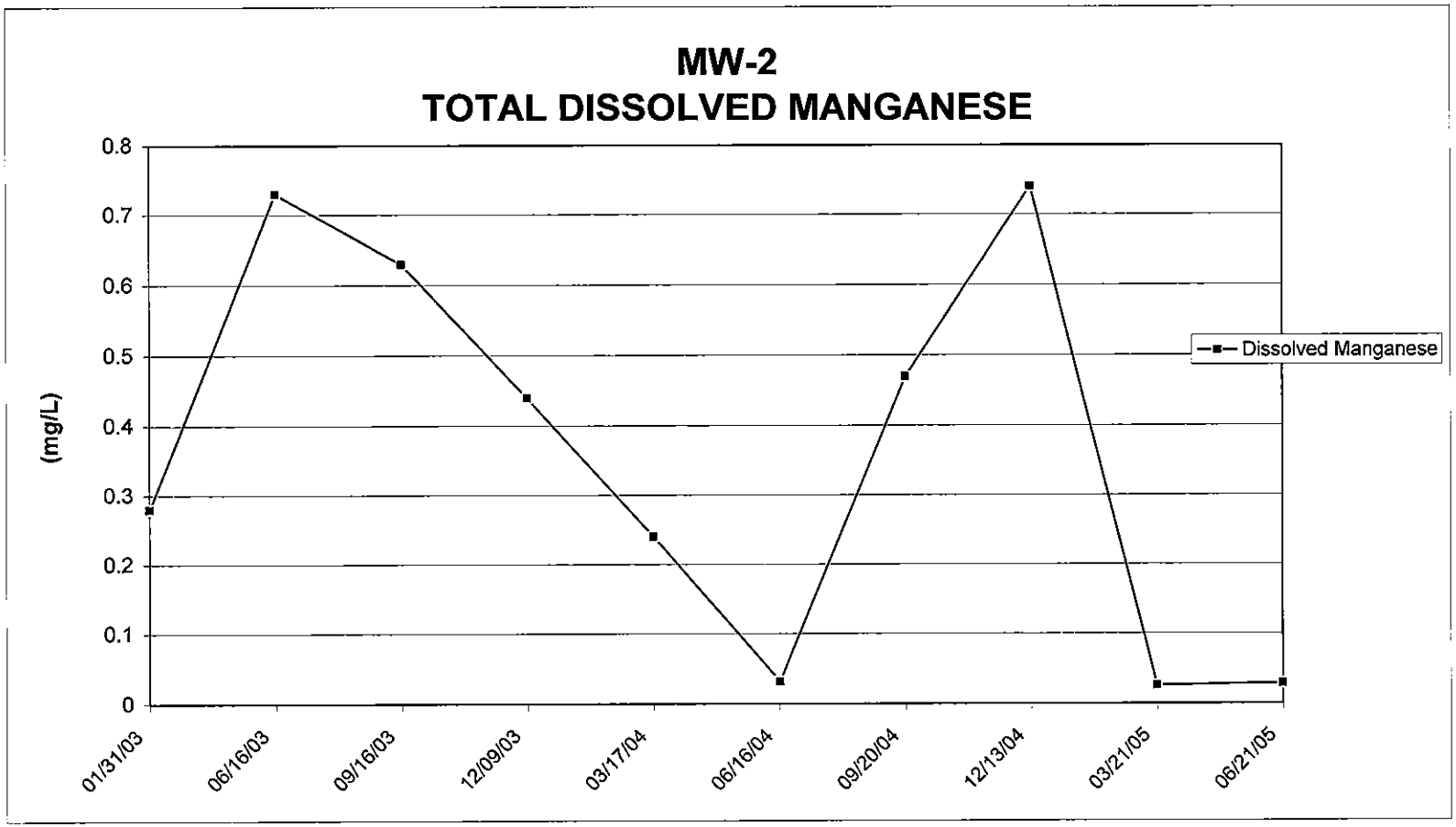
THE BAY ZINC COMPANY MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	MW-1B TIME TREND PLOT TOTAL DISSOLVED CADMIUM TOTAL DISSOLVED MANGANESE JANUARY 2003 - JUNE 2005

MW-1B
TOTAL DISSOLVED ZINC CONCENTRATIONS



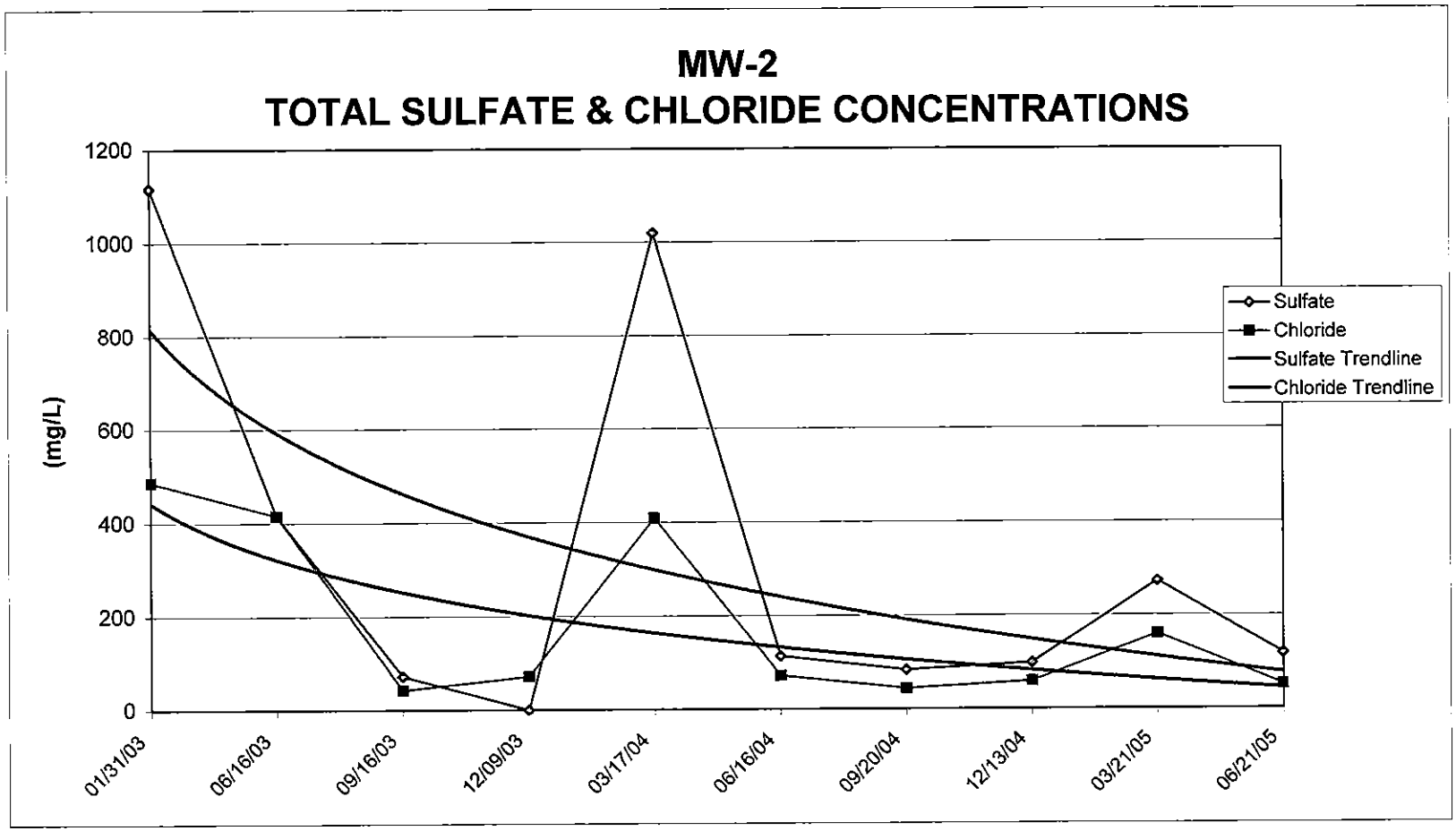
Note: MCL 5.0 mg/l

THE BAY ZINC COMPANY MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach • Funkhouser, Inc. *environmental compliance & consulting*	MW-1B TIME TREND PLOT TOTAL DISSOLVED ZINC JANUARY 2003 - JUNE 2005



Note: MCL 0.005 mg/l Cadmium
Note: MCL 0.05 mg/l Manganese

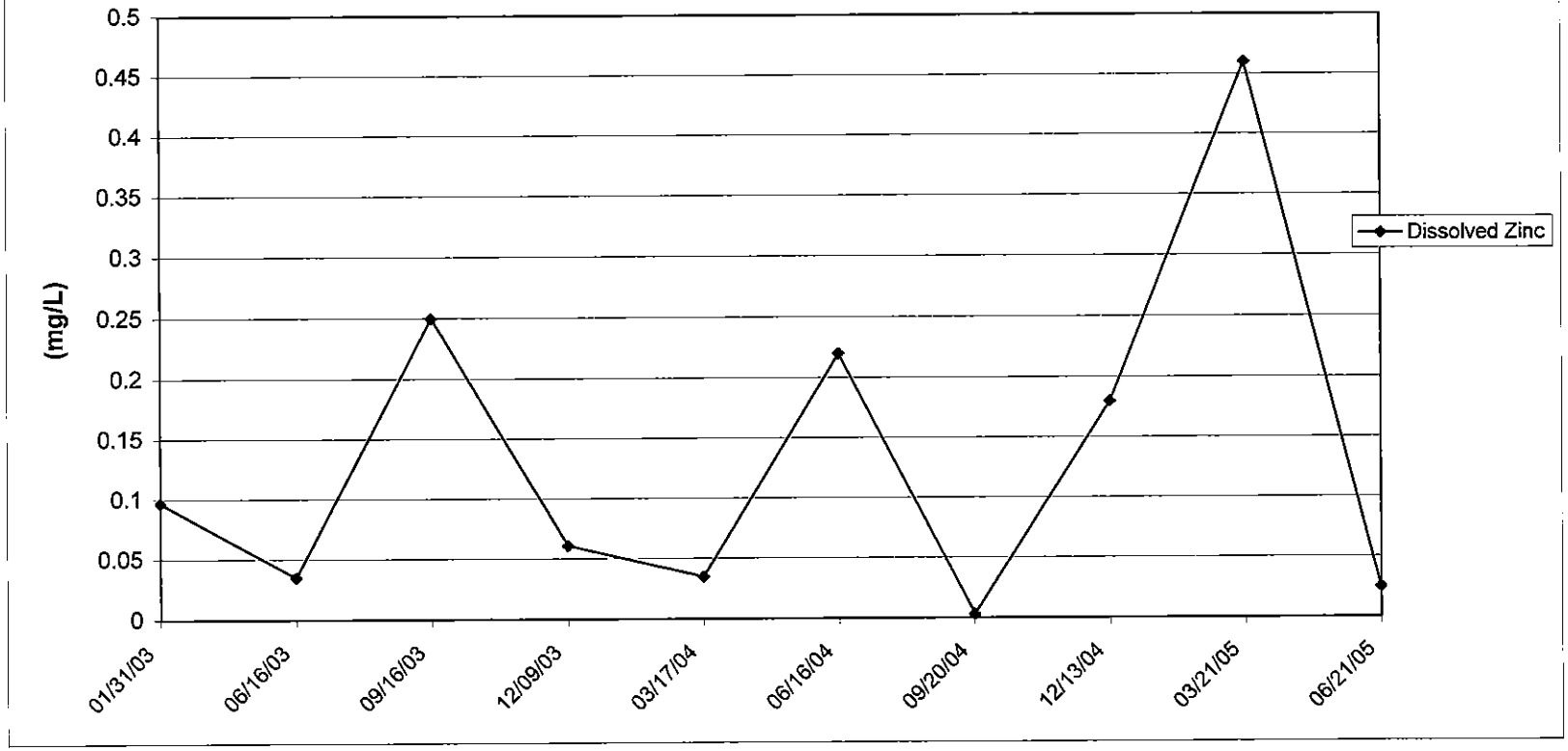
THE BAY ZINC COMPANY MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	MW-2 TIME TREND PLOT TOTAL DISSOLVED CADMIUM JANUARY 2003 - JUNE 2005



Note: MCL 250 mg/l

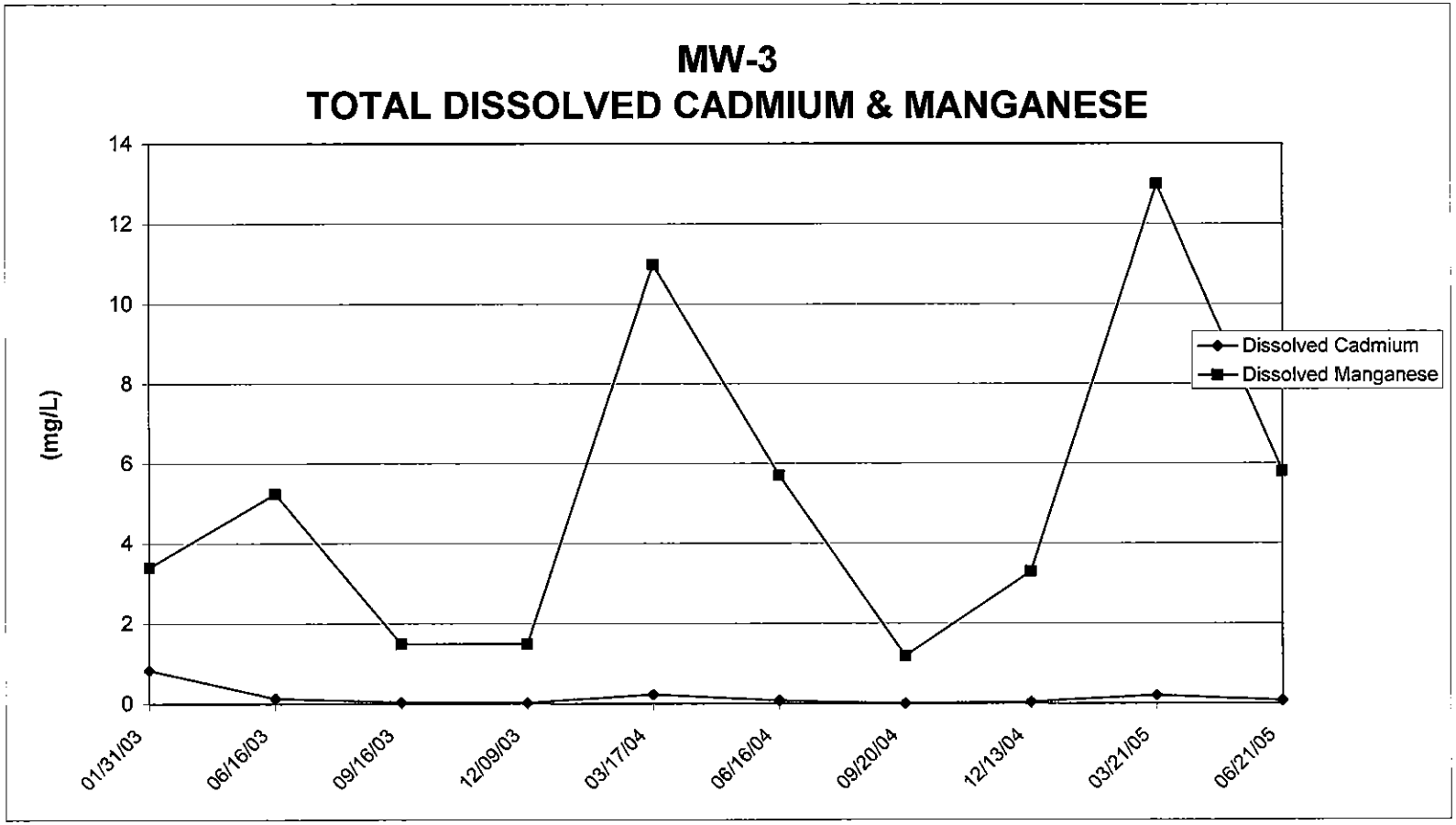
THE BAY ZINC COMPANY MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	MW-2 TIME TREND PLOT TOTAL SULFATE/CHLORIDE JANUARY 2003 - JUNE 2005

MW-2
TOTAL DISSOLVED ZINC CONCENTRATIONS



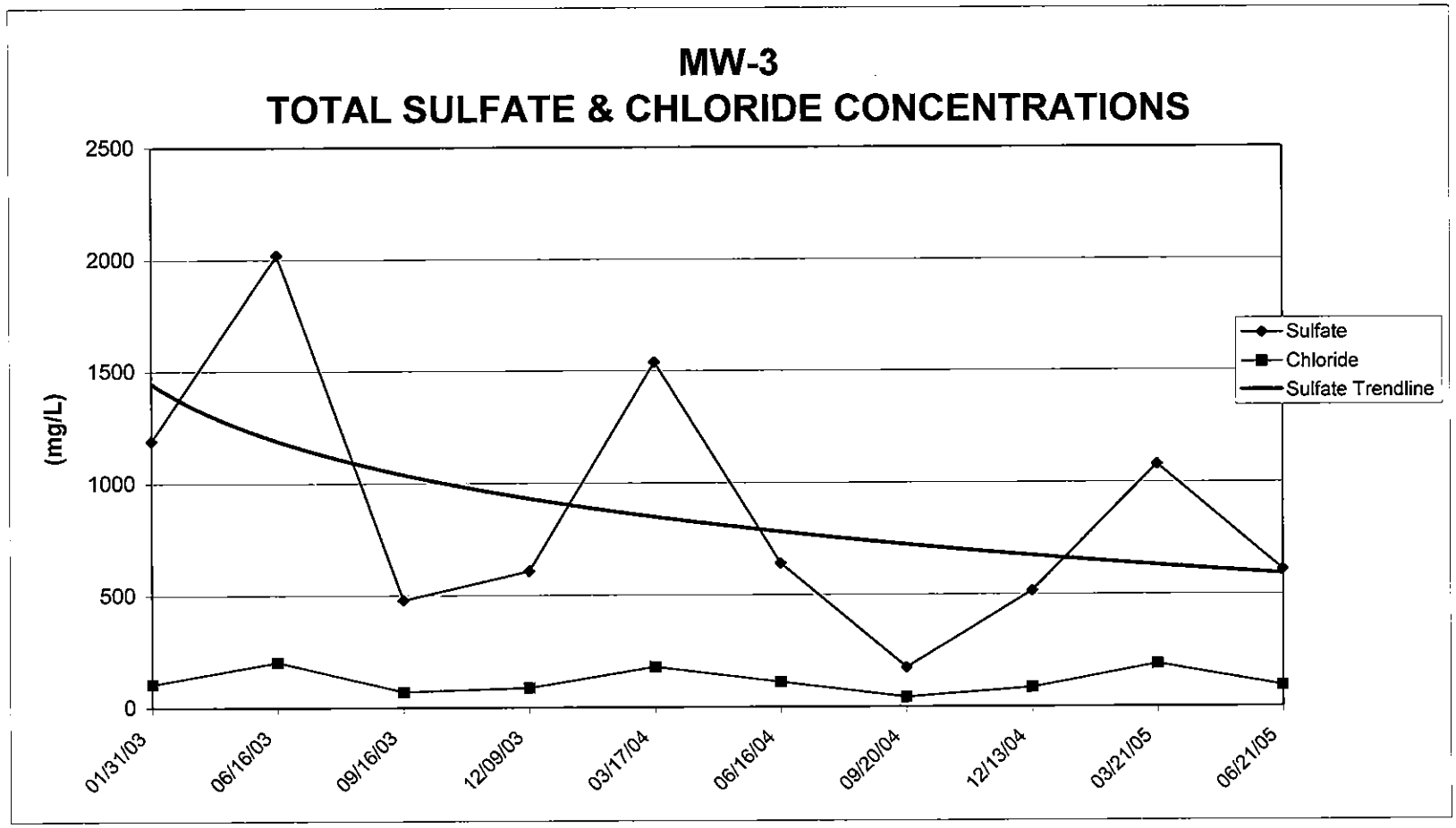
Note: MCL 5.0 mg/l

THE BAY ZINC COMPANY MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	MW-2 TIME TREND PLOT TOTAL DISSOLVED ZINC JANUARY 2003 - JUNE 2005



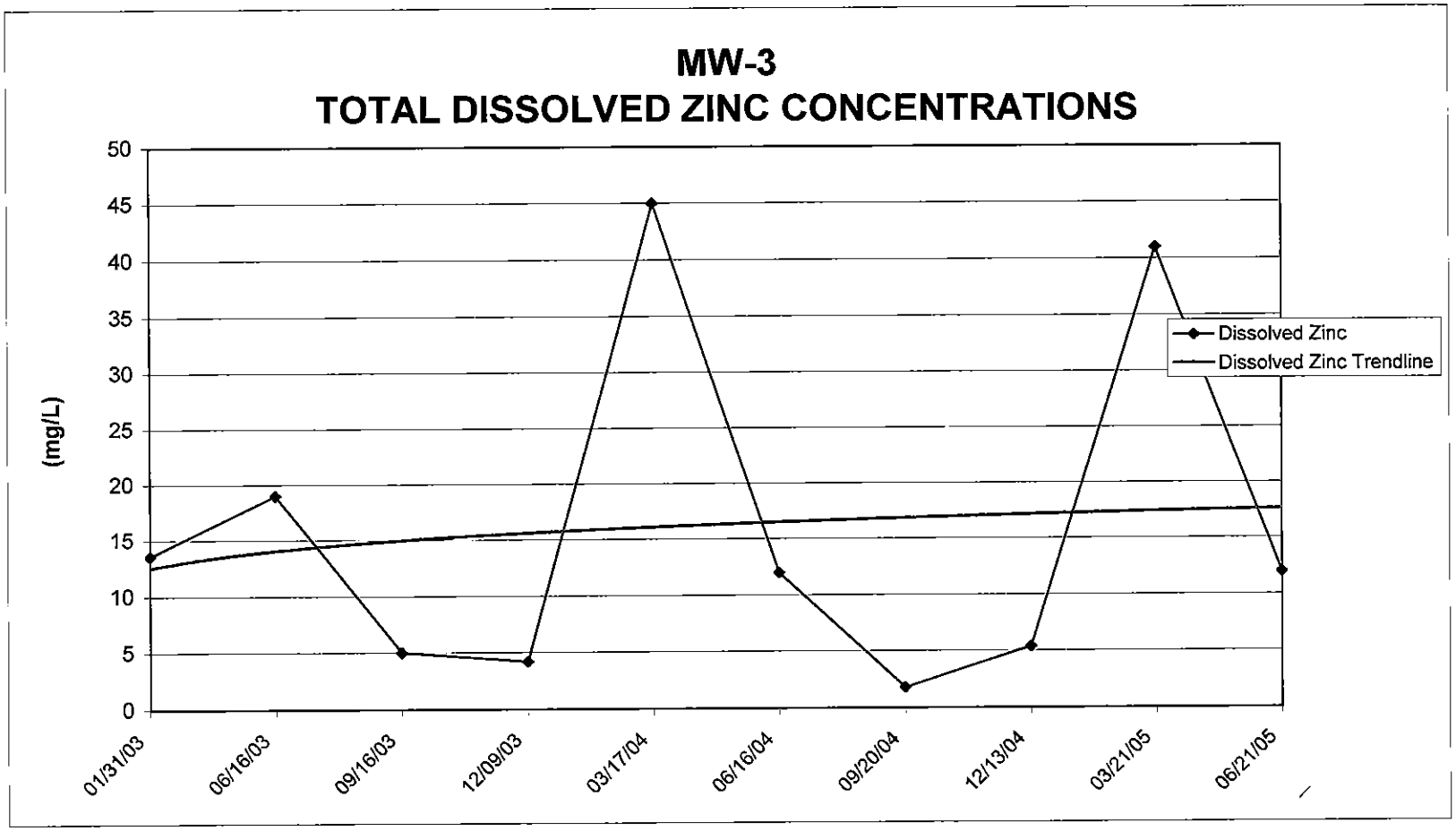
Note: MCL 0.005 mg/l Cadmium
Note: MCL 0.05 mg/l Manganese

THE BAY ZINC COMPANY MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	MW-3 TIME TREND PLOT TOTAL DISSOLVED CADMIUM TOTAL DISSOLVED MANGANESE JANUARY 2003 - JUNE 2005



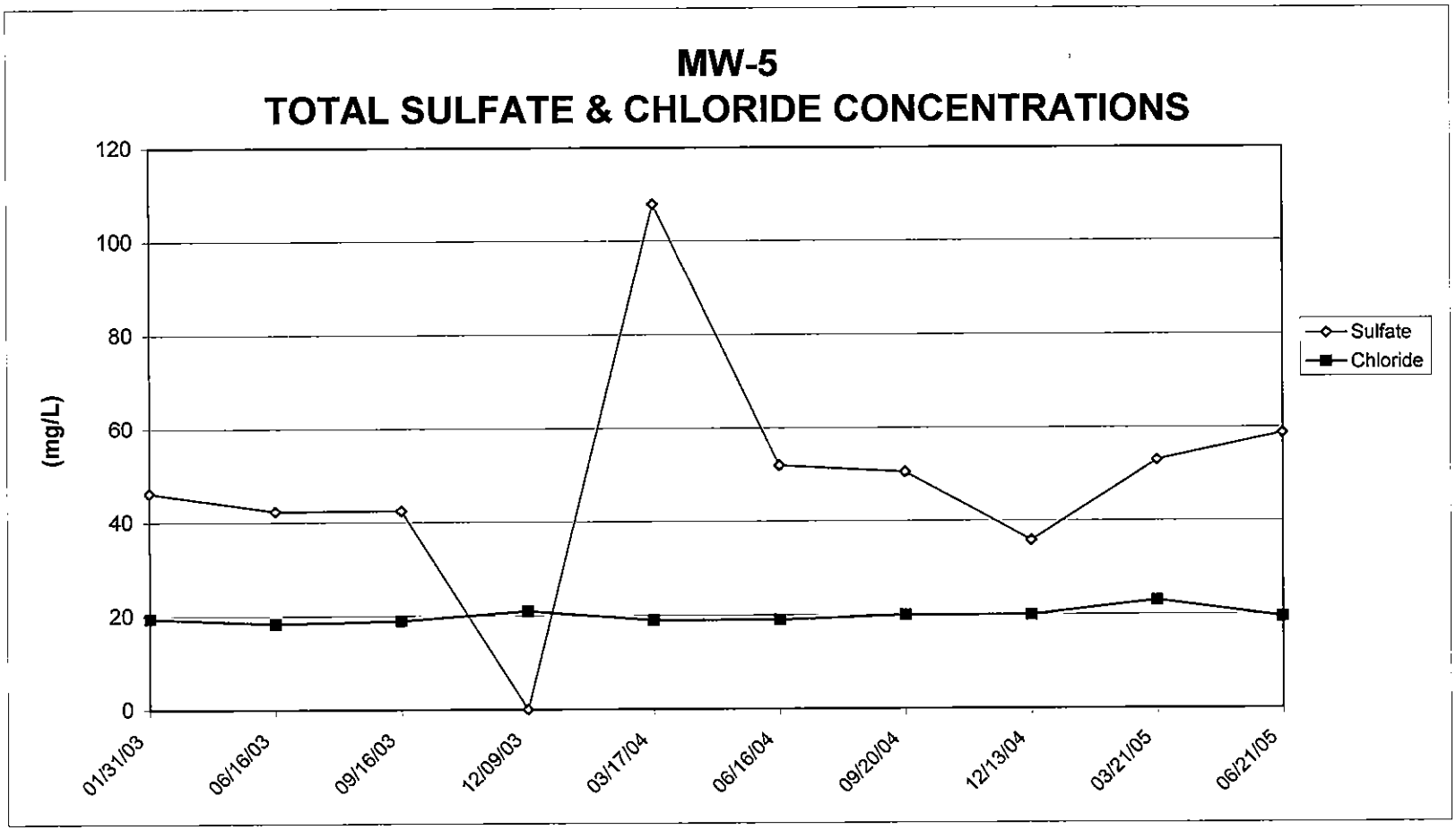
Note: MCL 250 mg/l

THE BAY ZINC COMPANY MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach • Funkhouser, Inc. *environmental compliance & consulting*	MW-3 TIME TREND PLOT TOTAL SULFATE/CHLORIDE JANUARY 2003 - JUNE 2005



Note: MCL 5.0 mg/l

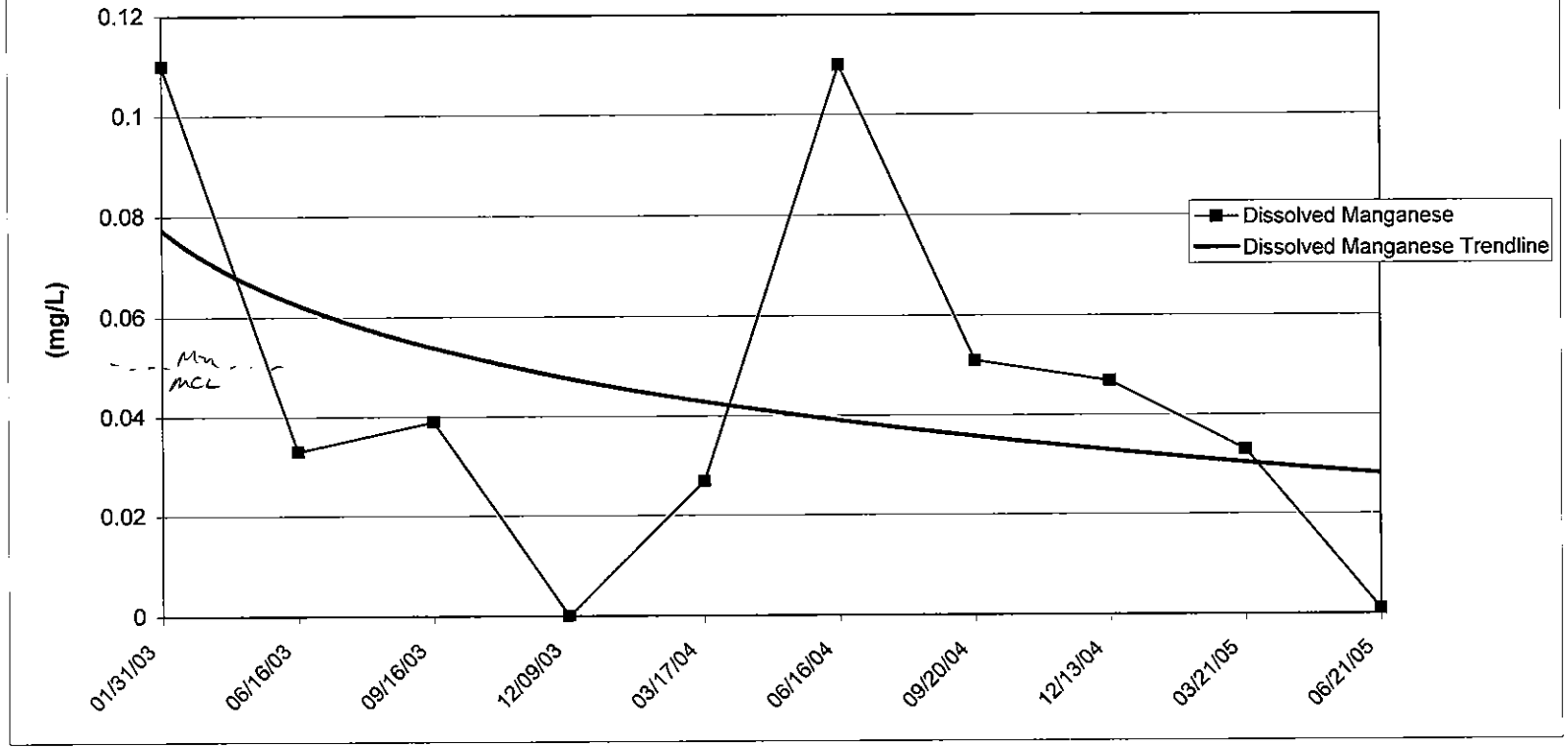
THE BAY ZINC COMPANY MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	MW-3 TIME TREND PLOT TOTAL DISSOLVED ZINC JANUARY 2003 - JUNE 2005



Note: MCL 250 mg/l

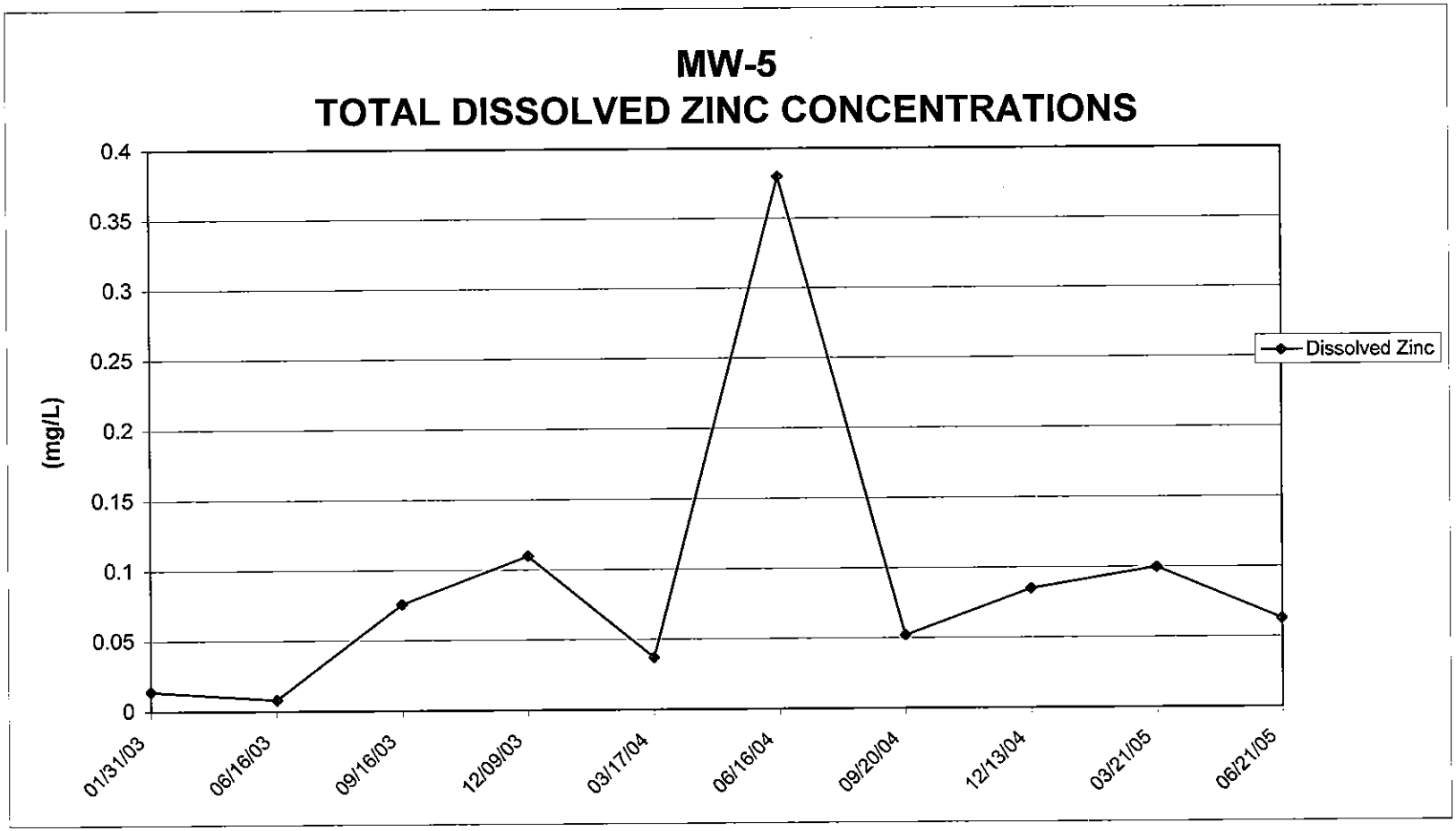
THE BAY ZINC COMPANY MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach • Funkhouser, Inc. *environmental compliance & consulting*	MW-5 TIME TREND PLOT TOTAL SULFATE/CHLORIDE JANUARY 2003 - JUNE 2005

MW-5
TOTAL DISSOLVED MANGANESE



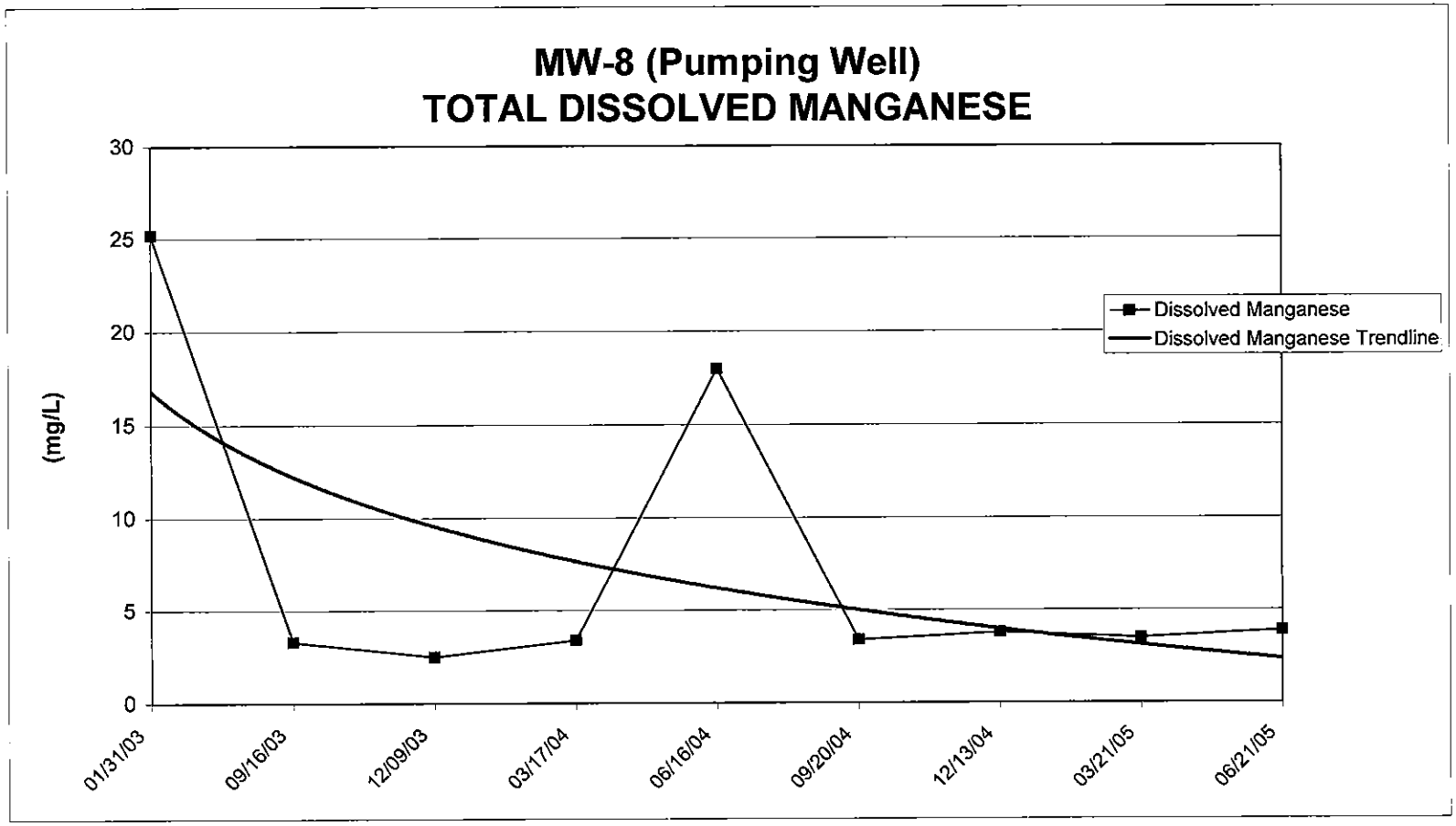
Note: MCL 0.005 mg/l Cadmium
Note: MCL 0.05 mg/l Manganese

THE BAY ZINC COMPANY MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	MW-5 TIME TREND PLOT TOTAL DISSOLVED MANGANESE JANUARY 2003 - JUNE 2005



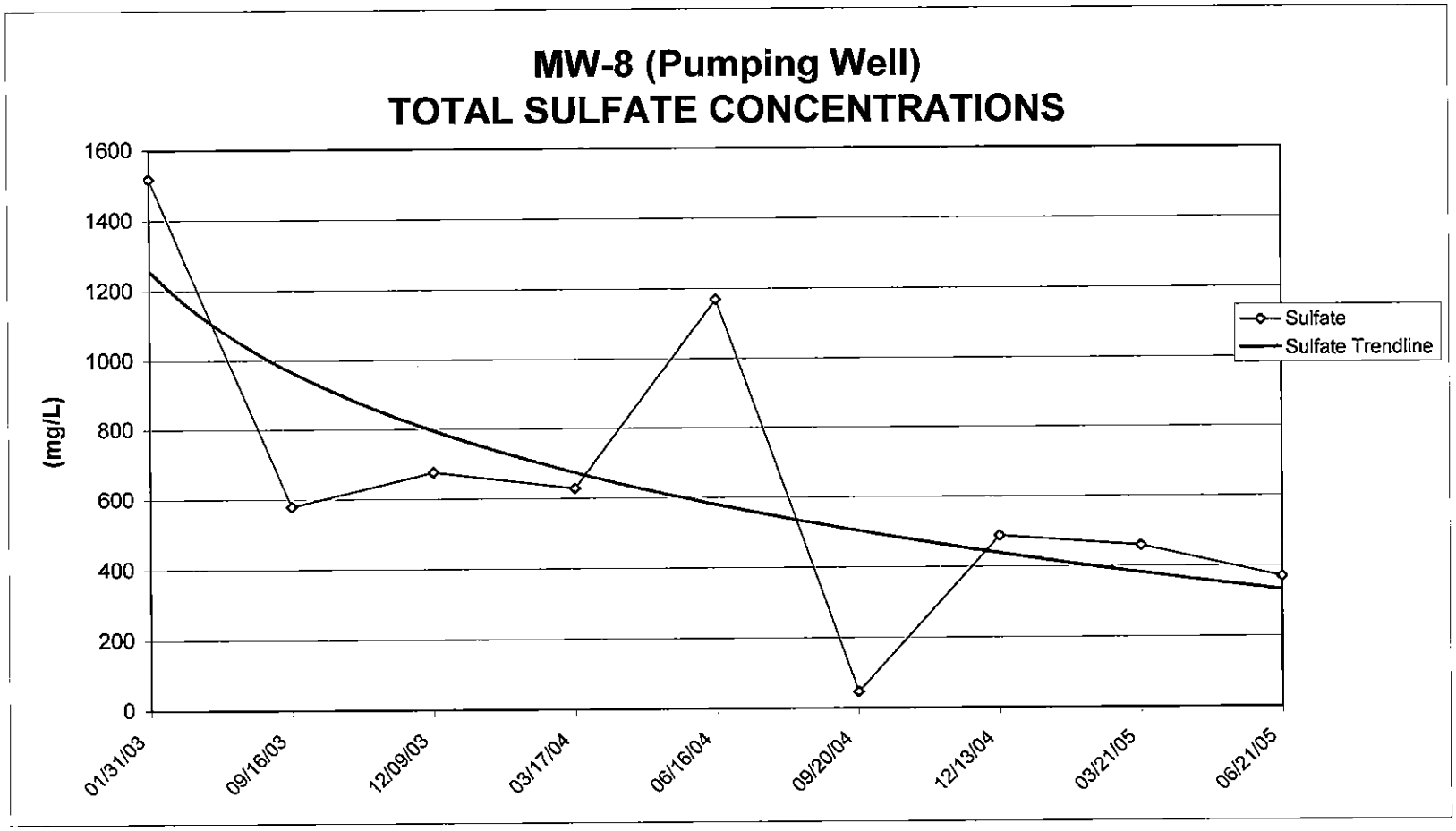
Note: MCL 5.0 mg/l

THE BAY ZINC COMPANY MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	MW-5 TIME TREND PLOT TOTAL DISSOLVED ZINC JANUARY 2003 - JUNE 2005



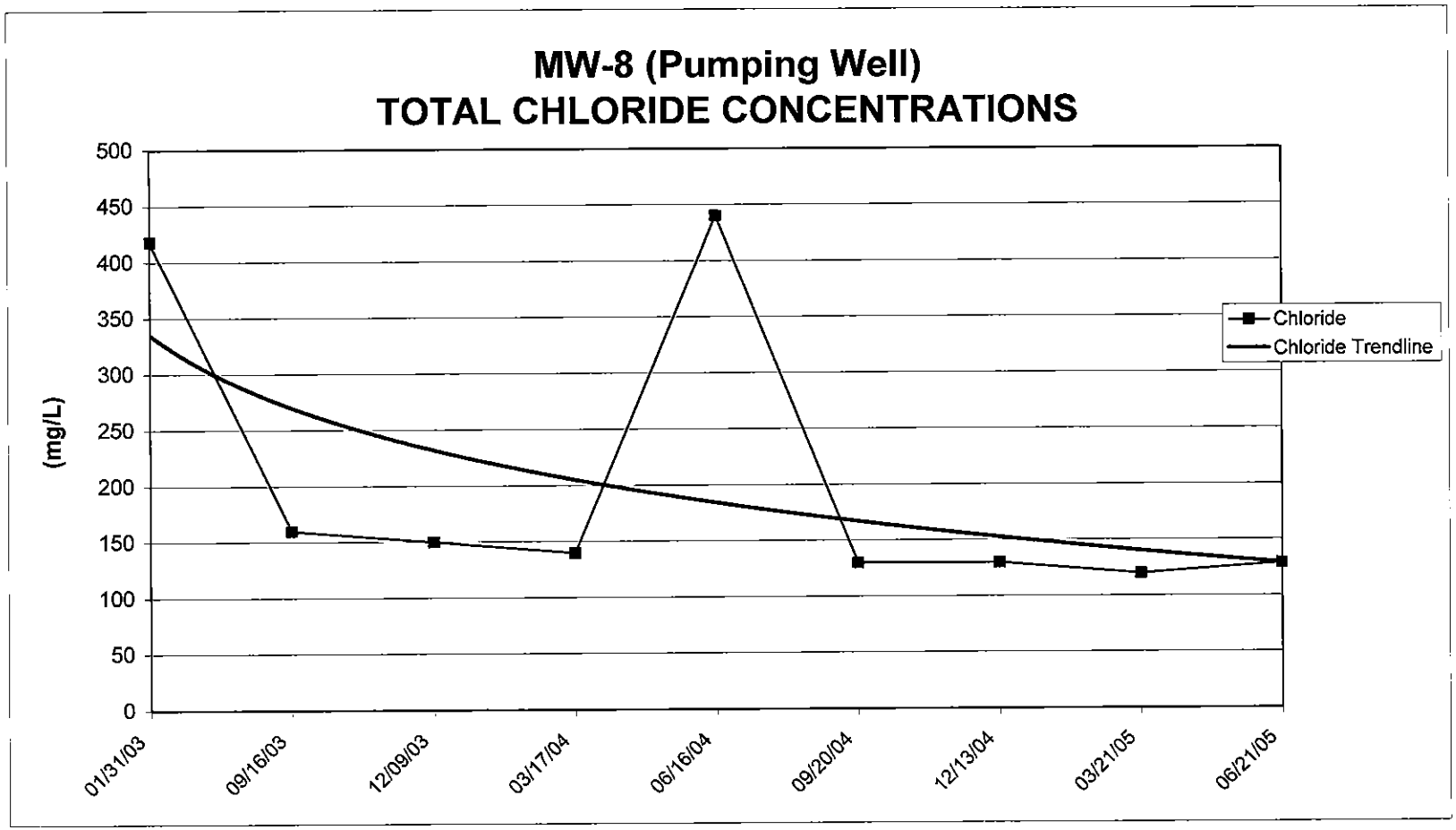
Note: MCL 0.005 mg/l Cadmium
Note: MCL 0.05 mg/l Manganese

THE BAY ZINC COMPANY MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	MW-8 TIME TREND PLOT TOTAL DISSOLVED MANGANESE JANUARY 2003 - JUNE 2005



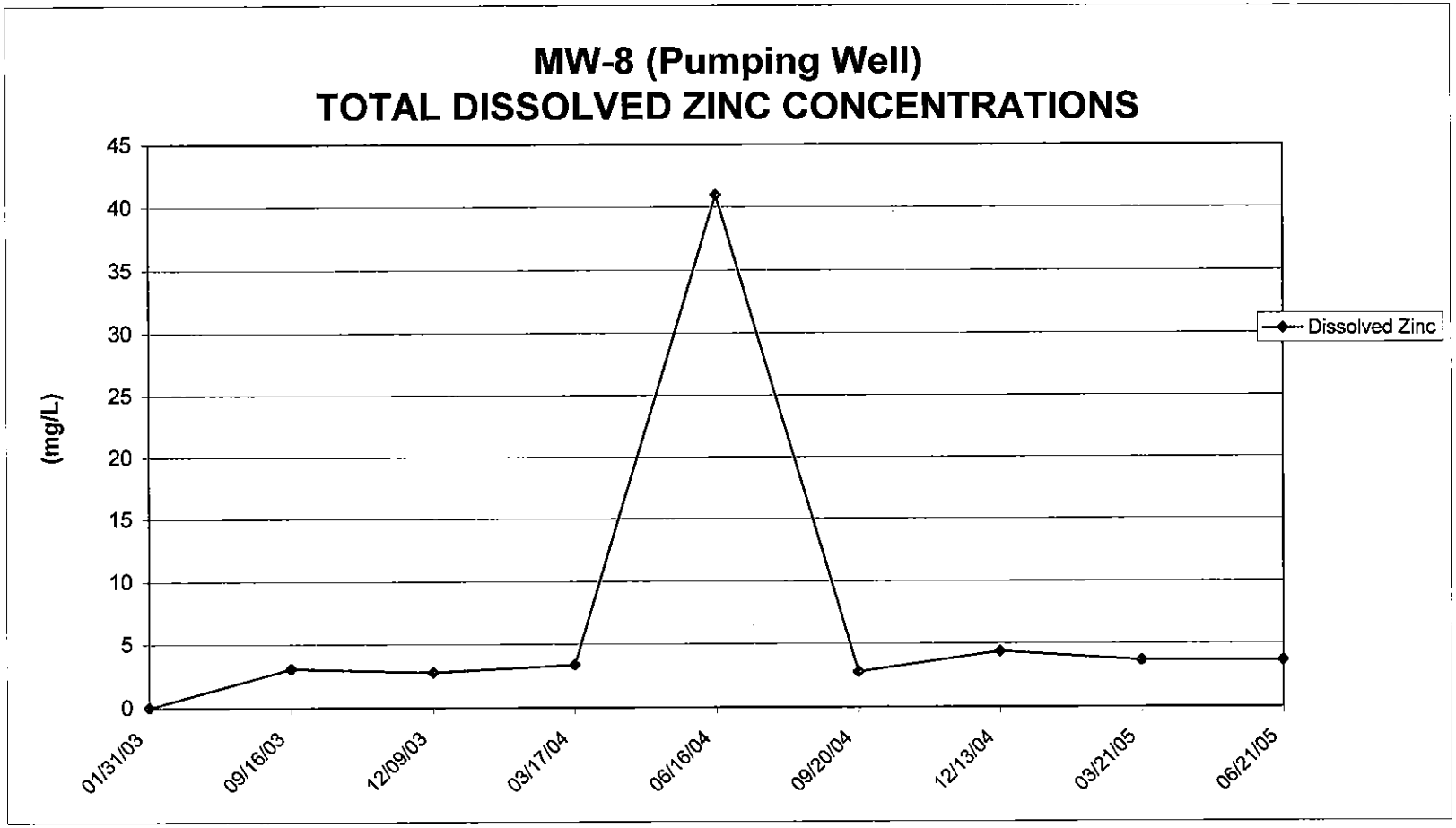
Note: MCL 250 mg/l

THE BAY ZINC COMPANY MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	MW-8 TIME TREND PLOT TOTAL SULFATE JANUARY 2003 - JUNE 2005



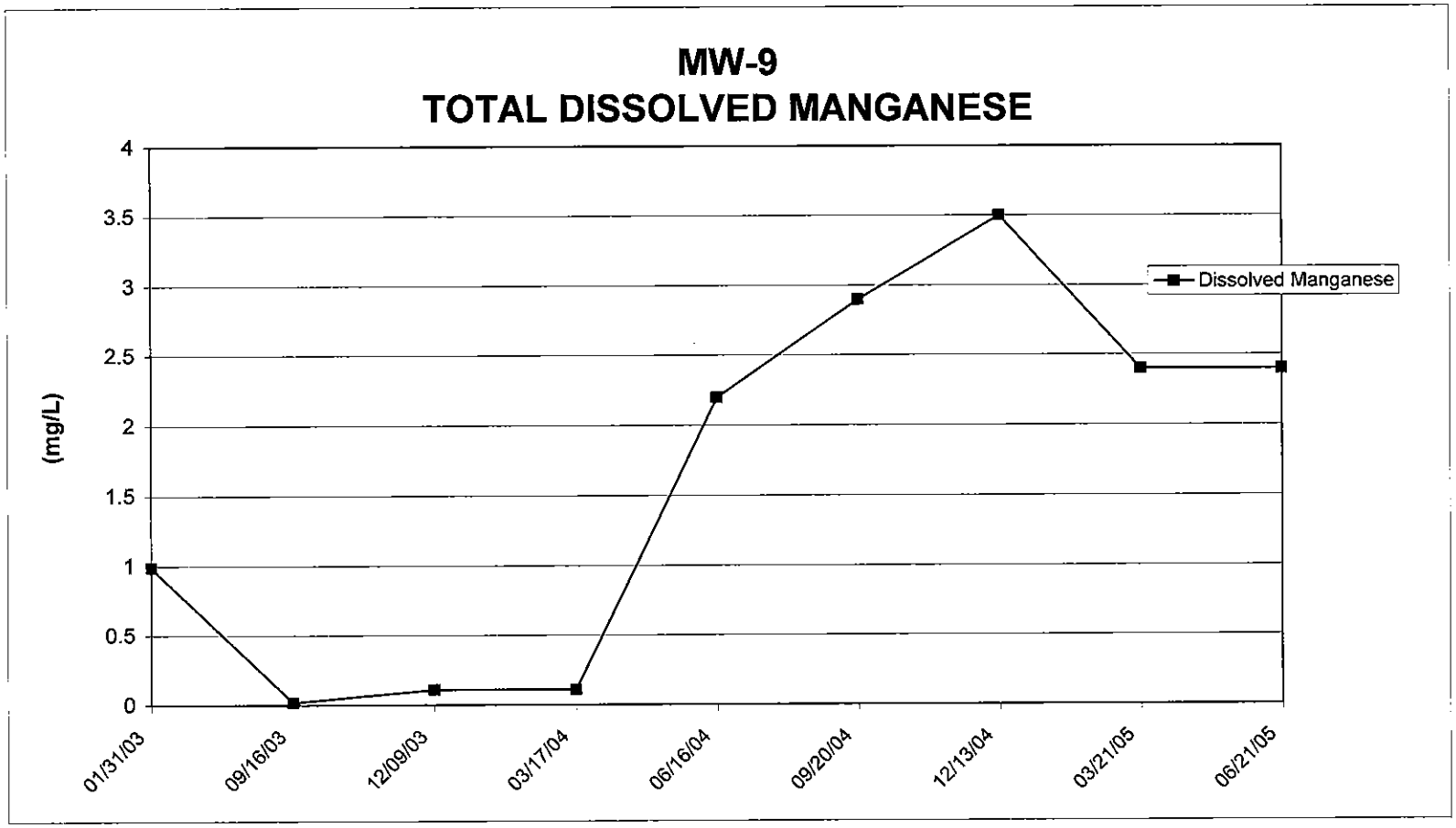
Note: MCL 250 mg/l

THE BAY ZINC COMPANY MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach • Funkhouser, Inc. *environmental compliance & consulting*	MW-8 TIME TREND PLOT TOTAL CHLORIDE JANUARY 2003 - JUNE 2005



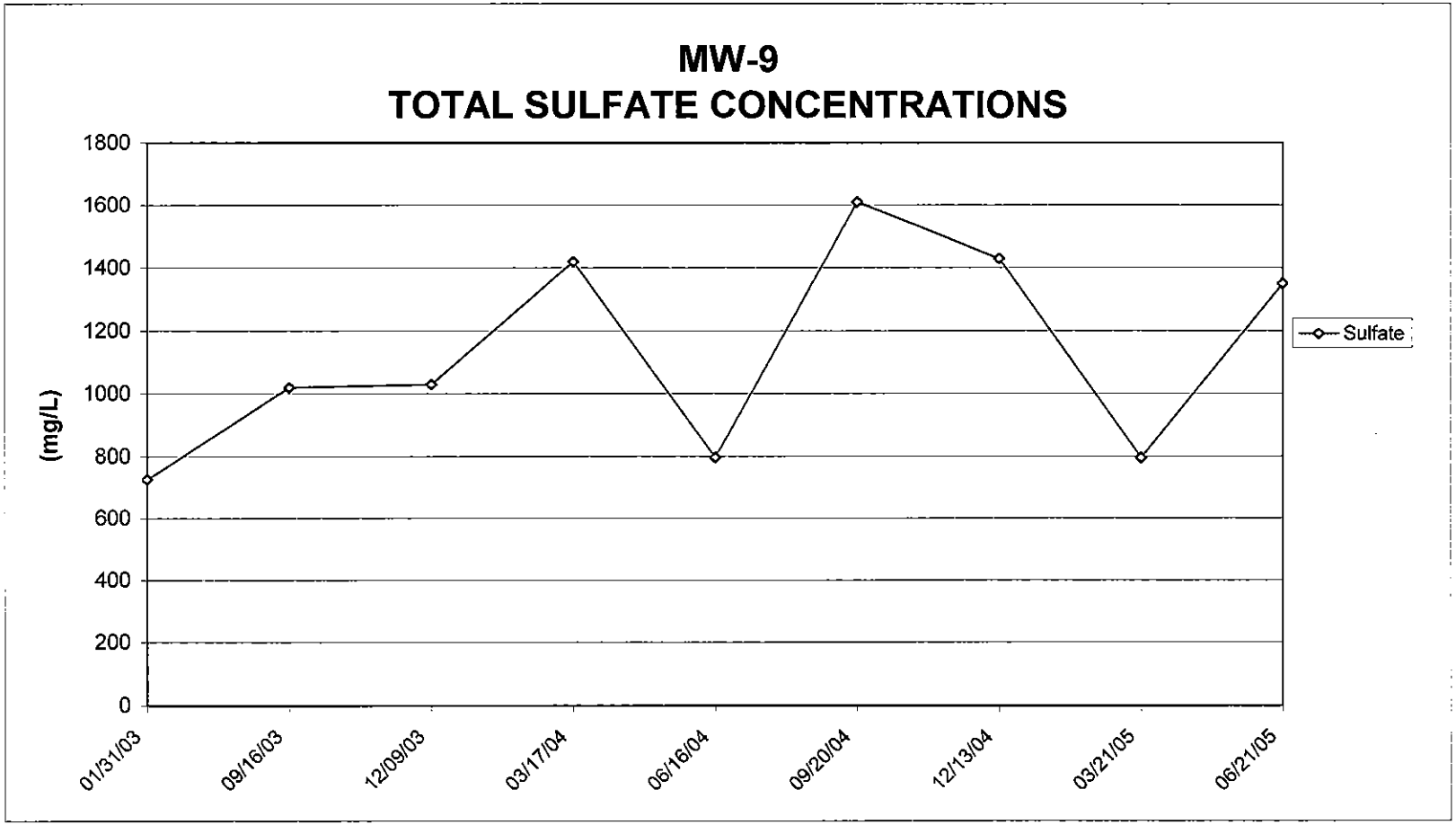
Note: MCL 5.0 mg/l

THE BAY ZINC COMPANY MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	MW-8 TIME TREND PLOT TOTAL DISSOLVED ZINC JANUARY 2003 - JUNE 2005



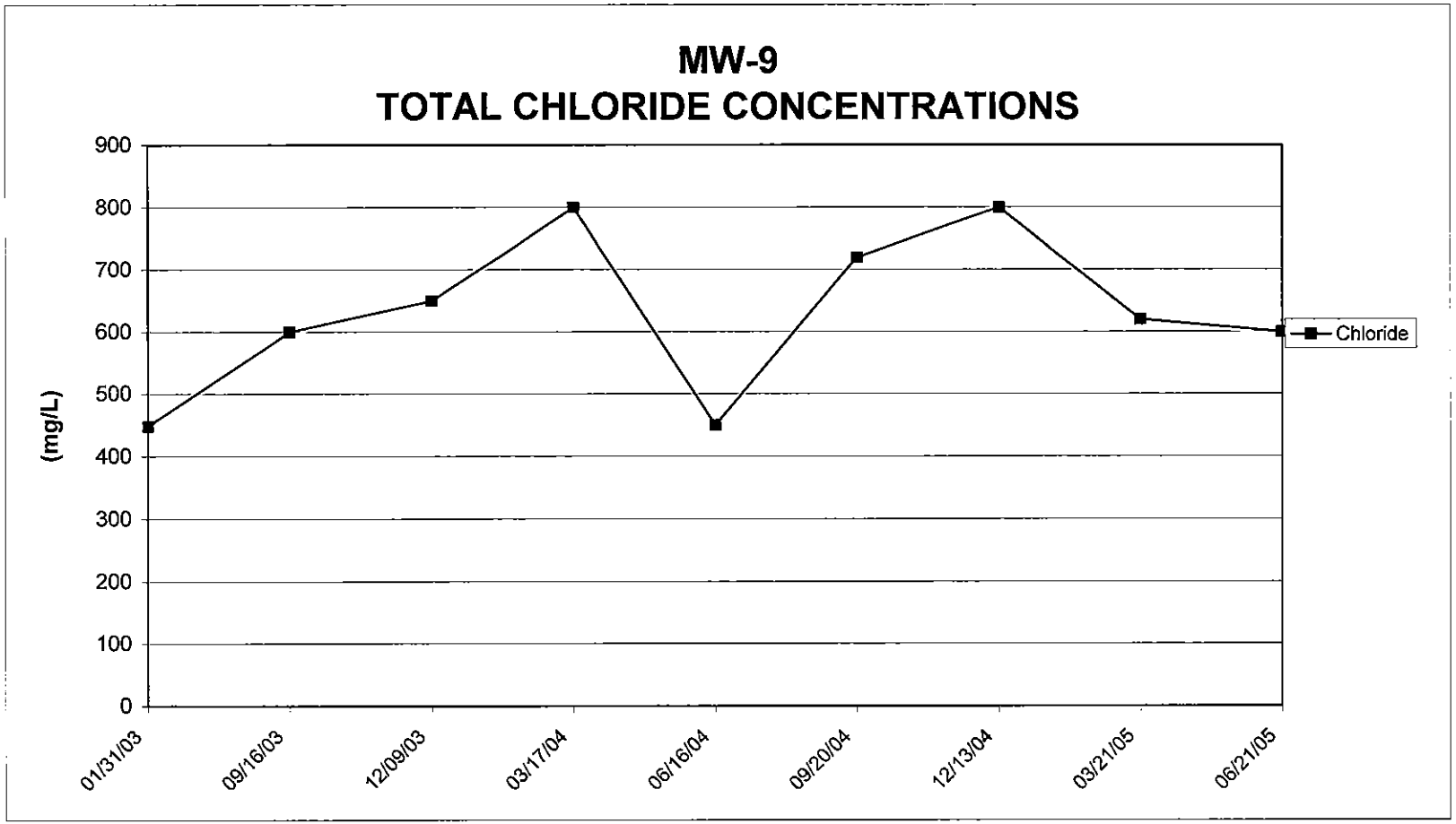
Note: MCL 0.005 mg/l Cadmium
Note: MCL 0.05 mg/l Manganese

THE BAY ZINC COMPANY MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	MW-9 TIME TREND PLOT TOTAL DISSOLVED MANGANESE JANUARY 2003 - JUNE 2005



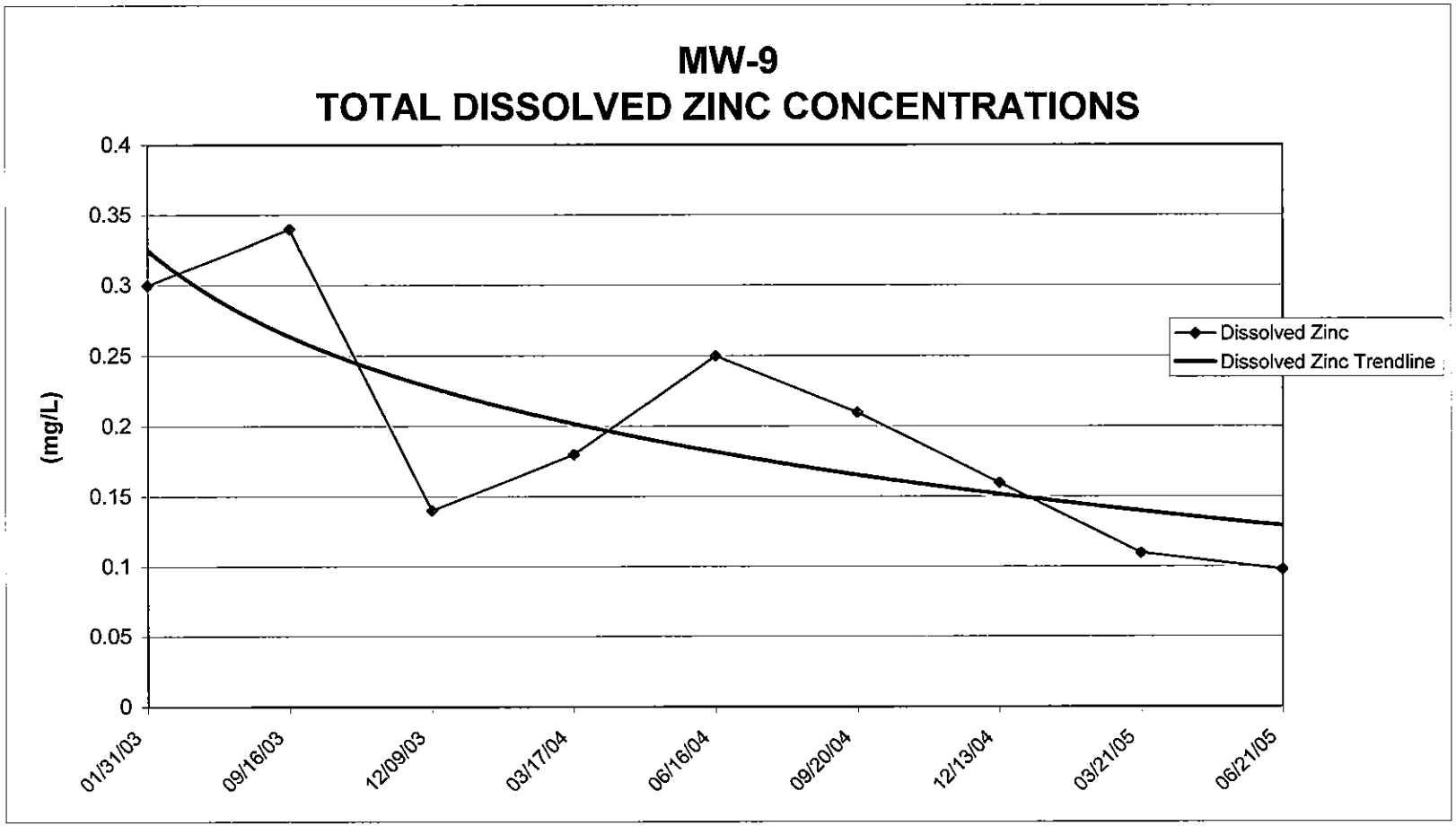
Note: MCL 250 mg/l

THE BAY ZINC COMPANY MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	MW-9 TIME TREND PLOT TOTAL SULFATE JANUARY 2003 - JUNE 2005



Note: MCL 250 mg/l

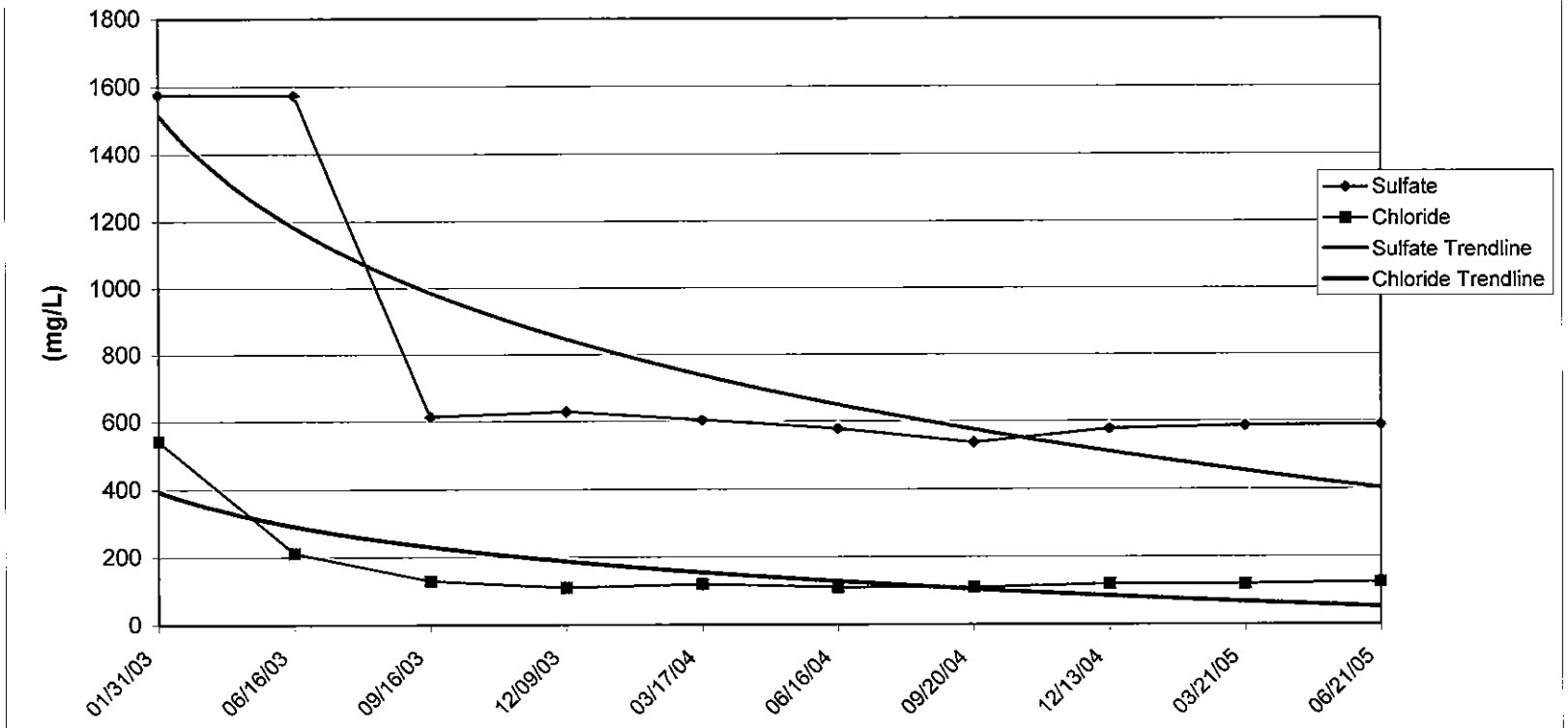
THE BAY ZINC COMPANY MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	MW-9 TIME TREND PLOT TOTAL CHLORIDE JANUARY 2003 - JUNE 2005



Note: MCL 5.0 mg/l

THE BAY ZINC COMPANY MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach • Funkhouser, Inc. *environmental compliance & consulting*	MW-9 TIME TREND PLOT TOTAL DISSOLVED ZINC JANUARY 2003 - JUNE 2005

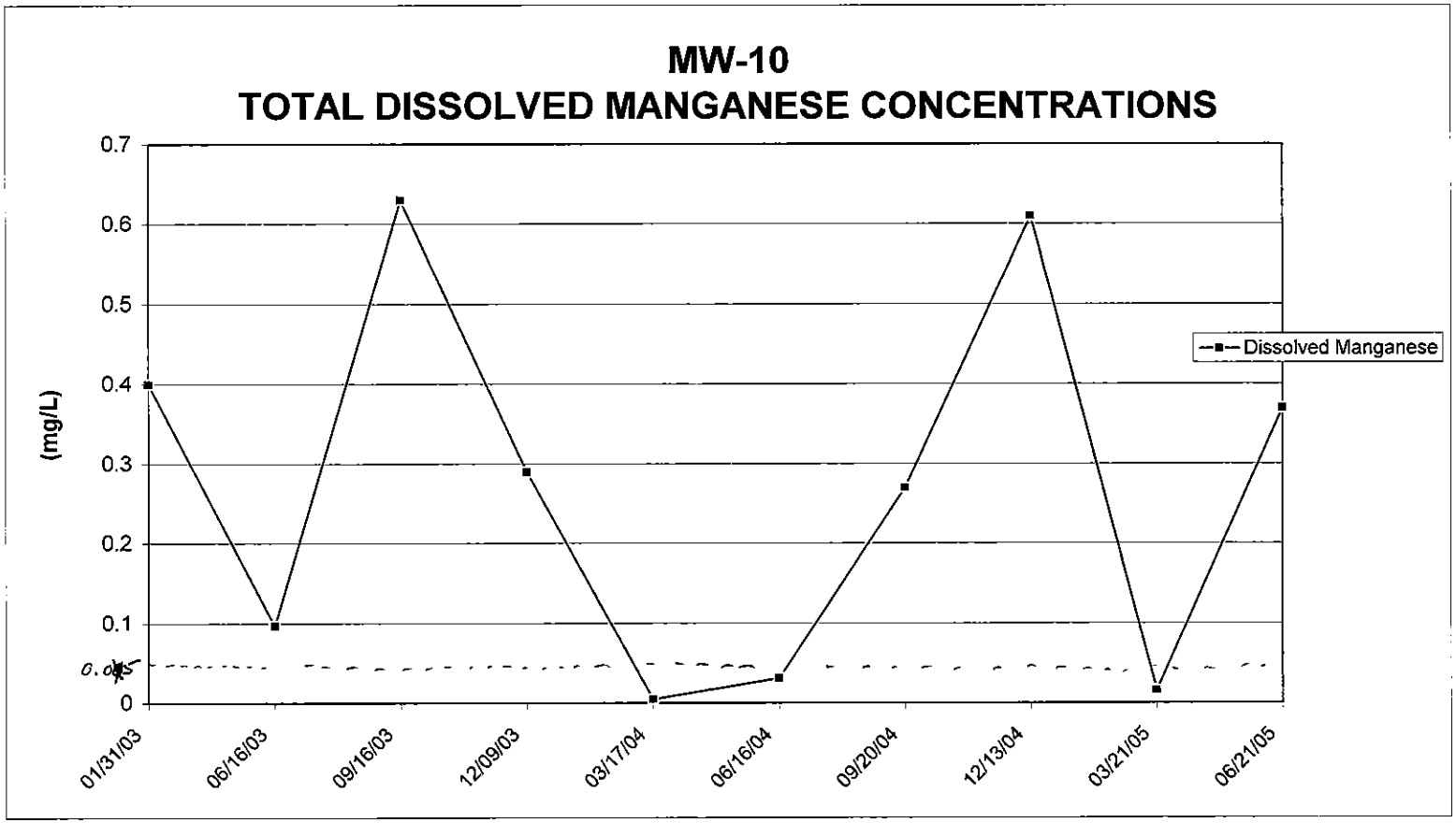
MW-10
TOTAL SULFATE & CHLORIDE CONCENTRATIONS



Note: MCL 250 mg/l

THE BAY ZINC COMPANY MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	MW-10 TIME TREND PLOT TOTAL SULFATE/CHLORIDE JANUARY 2003 -JUNE 2005

MW-10
TOTAL DISSOLVED MANGANESE CONCENTRATIONS



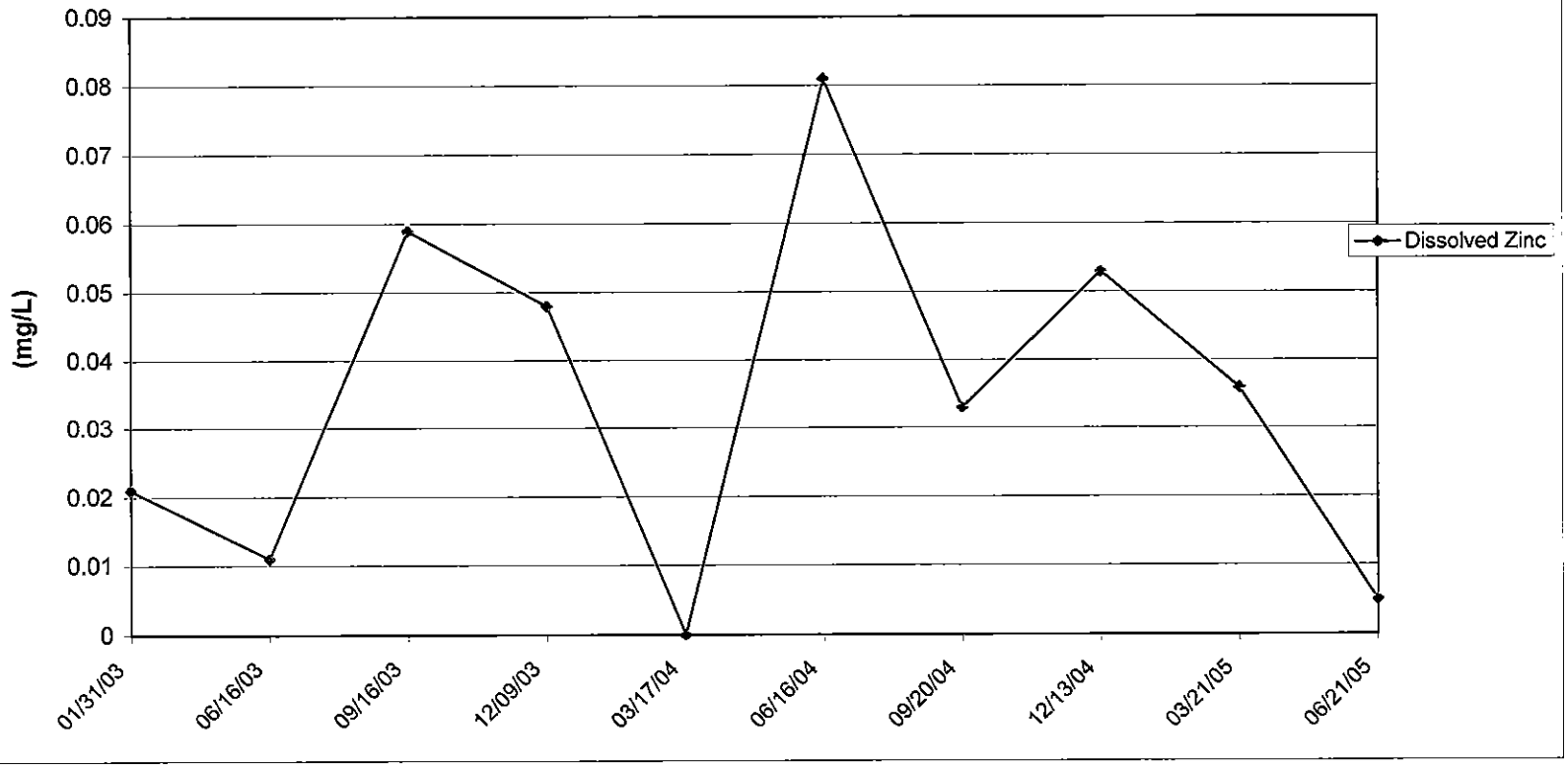
Note: MCL 0.005 mg/l Cadmium

Note: MCL 0.05 mg/l Manganese

Note: Cadmium not detected above laboratory detection limits.

THE BAY ZINC COMPANY MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	MW-10 TIME TREND PLOT TOTAL DISSOLVED MANGANESE JANUARY 2003 - JUNE 2005

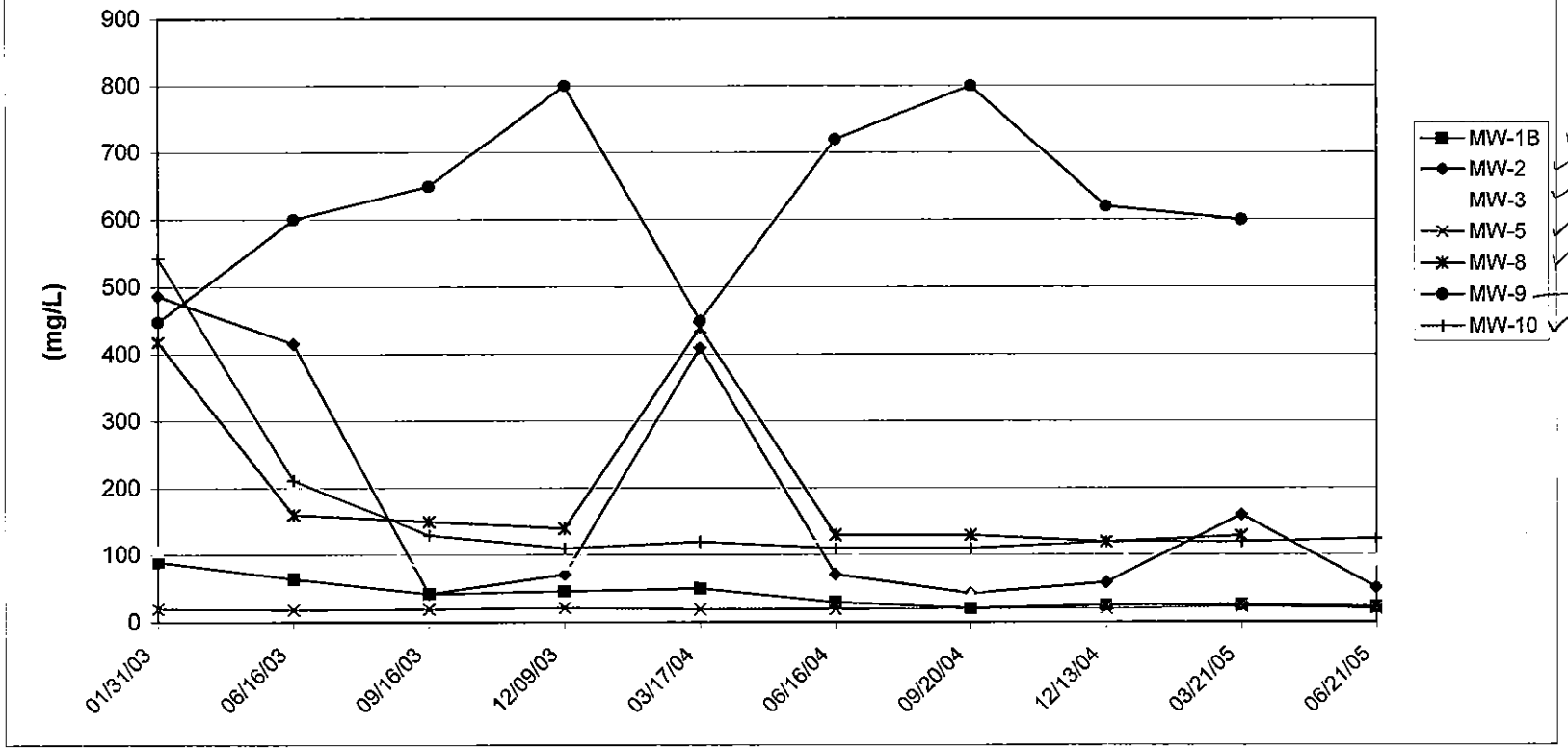
MW-10
TOTAL DISSOLVED ZINC CONCENTRATIONS



Note; MCL 5.0 mg/l

THE BAY ZINC COMPANY MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach • Funkhouser, Inc. *environmental compliance & consulting*	MW-10 TIME TREND PLOT TOTAL DISSOLVED ZINC JANUARY 2003 - JUNE 2005

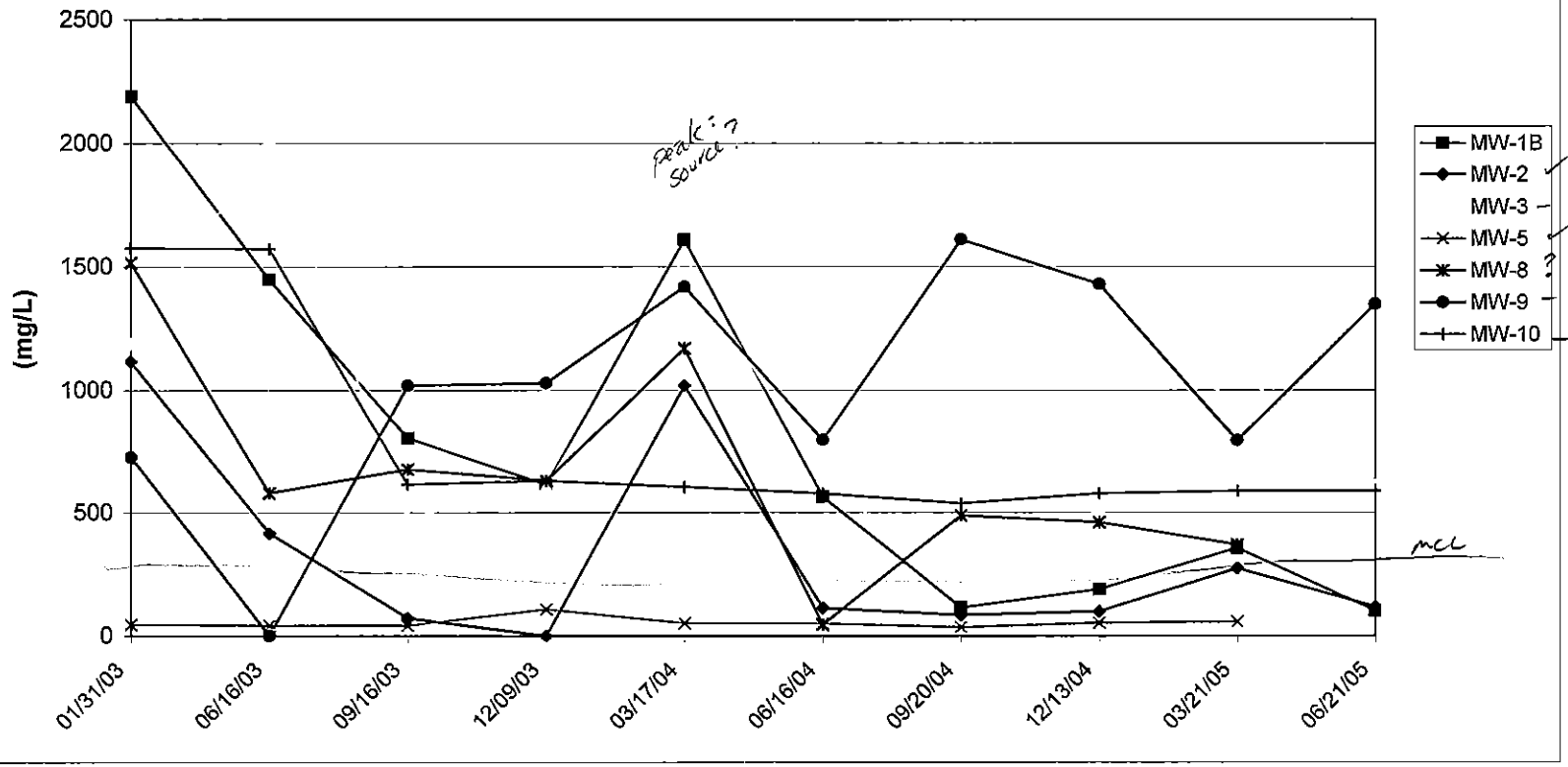
CHLORIDE CONCENTRATIONS



Note: MCL 250 mg/l

THE BAY ZINC COMPANY MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	TIME TREND PLOT CHLORIDE JANUARY 2003 - JUNE 2005

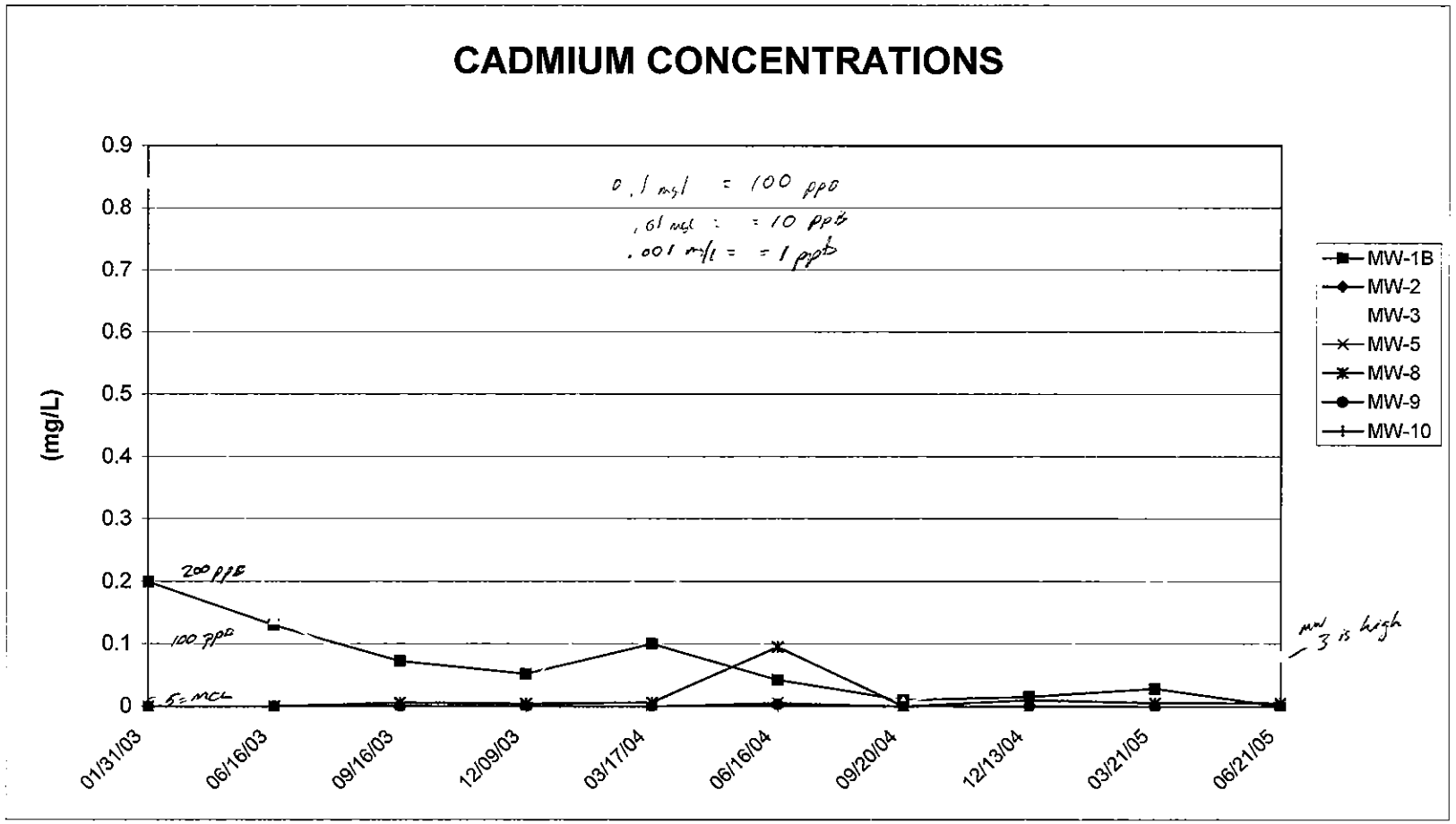
SULFATE CONCENTRATIONS



Note: MCL 250 mg/l

THE BAY ZINC COMPANY MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	TIME TREND PLOT SULFATE JANUARY 2003 - JUNE 2005

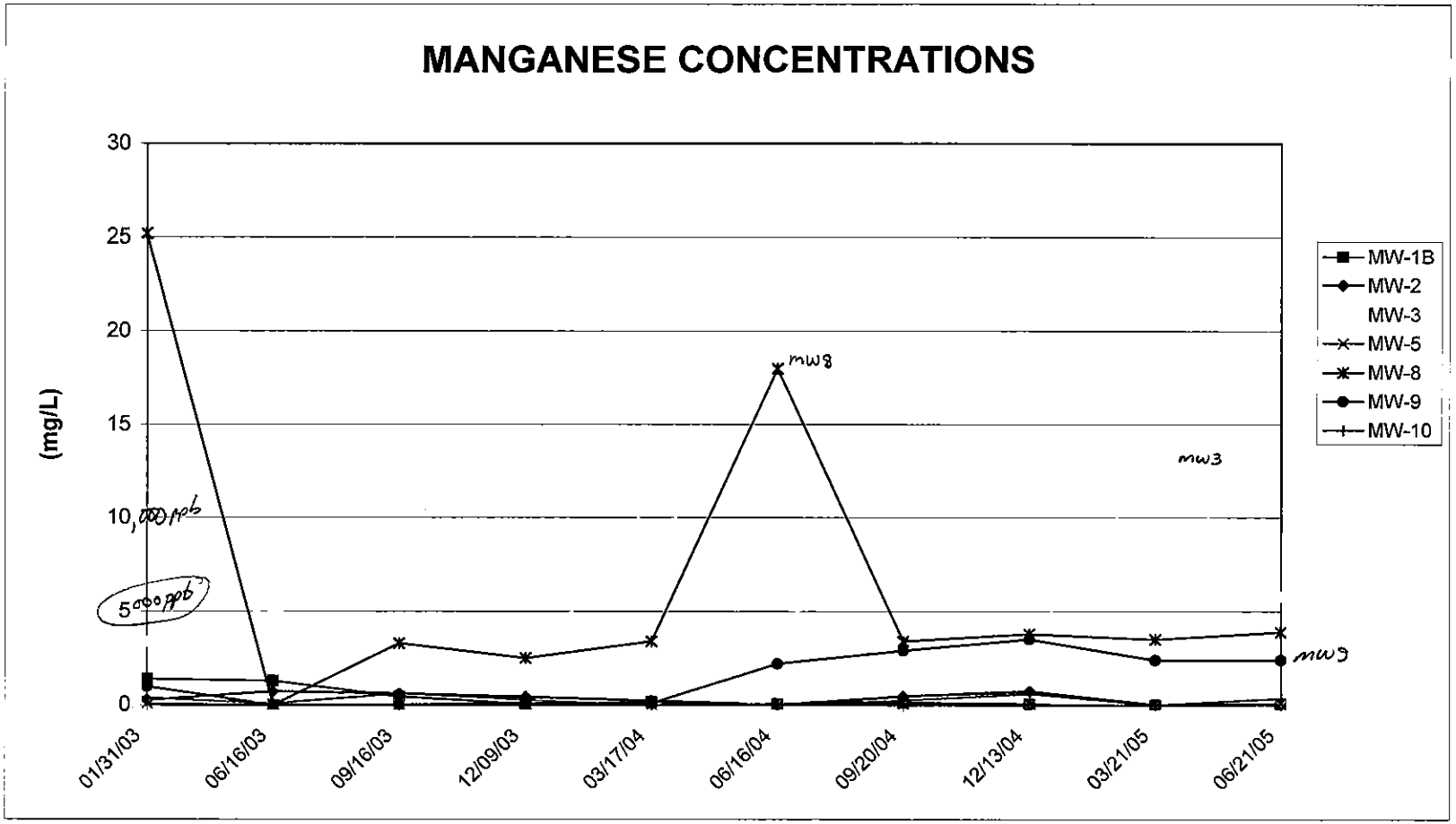
CADMIUM CONCENTRATIONS



Note: MCL 0.005 mg/l = 5 ppb

THE BAY ZINC COMPANY MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	TIME TREND PLOT CADMIUM JANUARY 2003 - JUNE 2005

MANGANESE CONCENTRATIONS



Note: MCL 0.05 mg/l = 50 ppb

THE BAY ZINC COMPANY

MOXEE, WASHINGTON

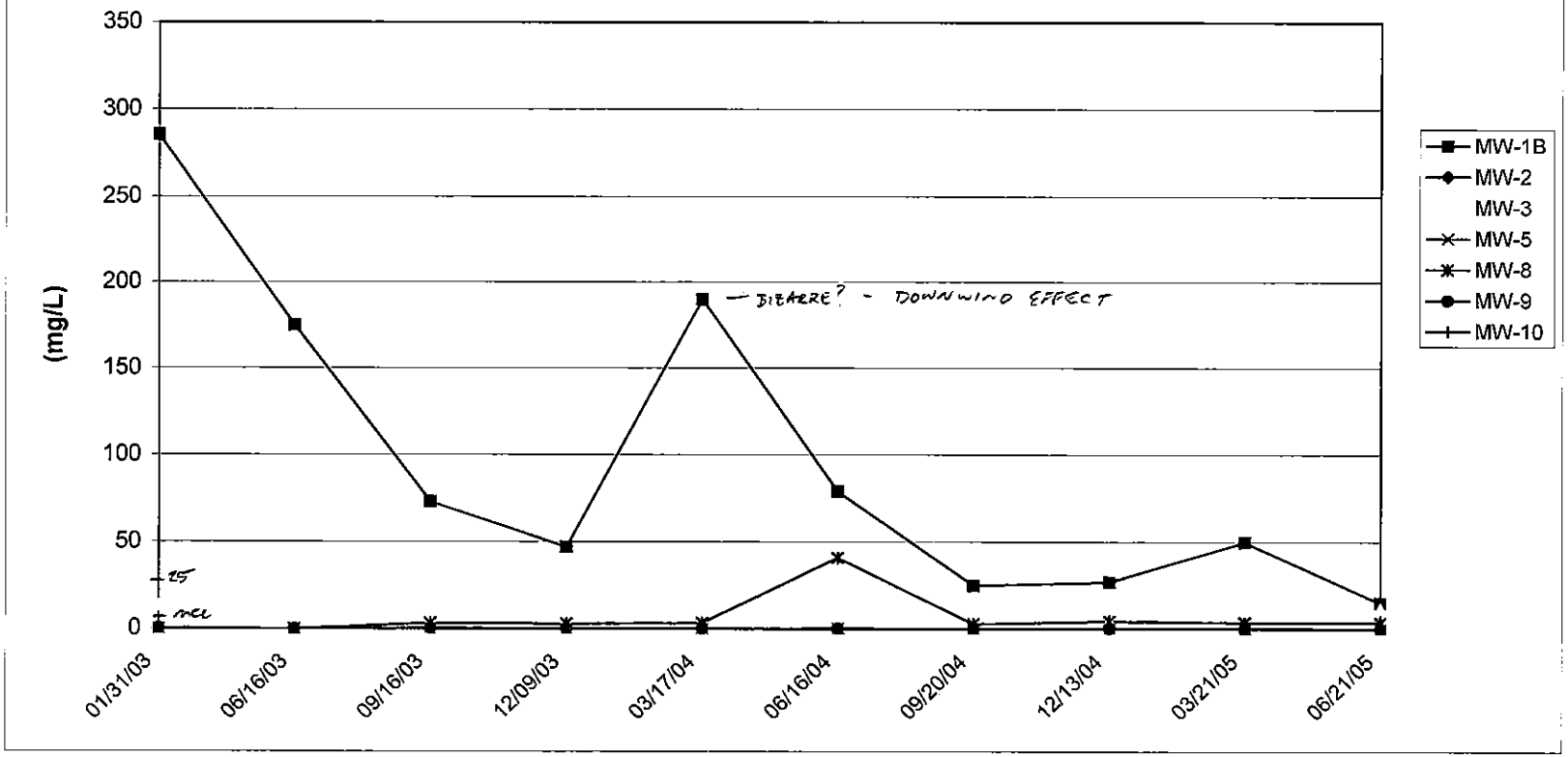
PROJECT NUMBER 100-02

Linebach ▪ Funkhouser, Inc.
environmental compliance & consulting

TIME TREND PLOT
MANGANESE

JANUARY 2003 - JUNE 2005

ZINC CONCENTRATIONS



Note: MCL 5.0 mg/l

THE BAY ZINC COMPANY MOXEE, WASHINGTON PROJECT NUMBER 100-02	Linebach ▪ Funkhouser, Inc. *environmental compliance & consulting*	TIME TREND PLOT ZINC JANUARY 2003 - JUNE 2005