ADDENDUM 2 to
FINAL COOLING POND
REMOVAL WORK PLAN

FINAL - Work Plan for Compressor Building Area Soil Removal

Bonner Mill Cooling Pond and Vicinity
Bonner, Montana

Submitted to:
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Submittal date:
December 23, 2015

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Addendum 2 to Final Cooling Pond Removal Work Plan, Compressor Building Assessment Report, NewFields, October 2015.

1. INTRODUCTION

This soil removal work plan for the Compressor Building area (see below) is part of Addendum 2 to the existing approved work plan – *Final Cooling Pond Work Plan*, Envirocon, January 29, 2010 ("Work Plan"), which was established to implement remedial action work at the former Bonner Mill located at Bonner, Montana ("Site") (**Figure 1**) under the Administrative Order on Consent in Docket No. SF-10-0001, dated April 29, 2010 ("AOC"), between Stimson Lumber Company ("Stimson"), the Montana Department of Justice, and the Montana Department of Environmental Quality ("DEQ"). Stimson is the former owner of the Site.

The Work Plan addressed the remediation of three areas at the Site: (i) the Fire Pond Lagoon and related petroleum hydrocarbons ("PH"); (ii) the cooling pond and adjacent areas impacted by polychlorinated biphenyls (PCBs) and PH; and (iii) portions of the east log track area impacted by PH and PCBs. This remediation work is described in the *Draft Remedial Action Report – Bonner Mill Cooling Pond and Vicinity*, Envirocon, February 21, 2012. This work is referred to as Phase I of the removal action. Phase 2 of the removal action expanded an onsite repository to receive additional low-level waste (PCB soils not to exceed 10 ppm) excavated during Phase 1.

The first addendum to the Work Plan ("Addendum 1") was prepared to address the remediation of additional PCB soil contamination discovered during the final days of Phase 1 of the removal action (the "MW-13 area"). In addition to the MW-13 area, Addendum 1 addressed three other areas of the Site: (i) the MW-11 area, (ii) the MW-15 area, and (iii) the SB-3 area. The implementation of the Addendum 1 (Phase 3) activities in these four areas is described in the *Remedial Action Report, Phase 3 – Bonner Mill Cooling Pond and Vicinity*, Envirocon, September 12, 2014. Addendum 1 was intended to address the final phase of the removal action required to be performed by Stimson under the AOC.

In May 2014 the owner of the Site, Bonner Property Development, L.L.C. ("BPD"), informed Stimson and DEQ that it had found a limited area of PCB soil contamination in the course of demolishing a building historically referred to as the steam plant or compressor building ("Compressor Building") (**Figure 2**). The sampling performed by BPD indicated that PCB-impacted soil was present adjacent to the northwest corner of the Compressor Building. This finding was unexpected as previous remedial soil excavation and sampling actions conducted by Stimson at adjacent locations, i.e., the cooling pond and fire pond lagoon (Phase 1), MW-13, and MW-15 areas (Phase 3), exhibited soil sample results below the AOC cleanup level of 0.74 mg/kg total PCBs or excavation ended where concrete structures or foundations were encountered. In accordance with DEQ's requirements under the AOC, the work described in this work plan addresses the removal of contaminated soil at and adjacent to the area of the former Compressor Building.

2. BACKGROUND AND APPROACH

A general description of the Site's background and work approach has already been provided in the Work Plan, Final Design Proposal, and Addendum A to the Final Design Proposal (Addendum A) and is not repeated here. Background information specific to the work addressed in this work plan follows.

On October 6, 2014, Stimson and DEQ met with BPD at the Site to view the Compressor Building area and to discuss actions required to investigate this area. Stimson subsequently prepared a second addendum to the Work Plan for the investigation of PCB impacts in this area—*Addendum 2 to Final Cooling Pond Removal Work Plan, Sampling Work Plan for the Compressor Building Investigation*, NewFields, April 2015 (submitted to DEQ on March 31, 2015). This work plan was approved by DEQ per e-mail from Keith Large to Steven Petrin dated April 23, 2015. Stimson conducted the Addendum 2 sampling work in three field events between May and August 2015. DEQ was periodically on-site during all three 2015 sampling events to provide SAP oversight. A report describing the results of this investigation was submitted to DEQ on October 8, 2015. *Compressor Building Assessment Report, Addendum 2 to Final Cooling Pond Removal Work Plan*, NewFields, October 2015 (**Appendix A**).

The sample results of the Compressor Building investigation indicated that the highest concentrations of PCB-impacted soil are located beneath the western end of the former Compressor Building. **Figure 3** shows the approximate areal extent of PCB-impacted soil at and adjacent to the former Compressor Building, while **Figure 4** and **Figure 5** show the excavation area's plan and cross-section views, respectively Based on the data summarized on Figure 3 and Tables 1, 2, and 3 in the *Compressor Building Assessment Report*, DEQ has required Stimson to prepare this work plan for the removal of the PCB-contaminated materials in the Compressor Building area in accordance with Paragraph 142 of the AOC (e-mail from Keith Large to Steven Petrin dated November 5, 2015).

Unless specifically described in this work plan, all removal and sampling activities conducted in the Compressor Building area will follow the Standard Operating Procedures and Sampling and Analysis Plan methods found in the Work Plan and Final Design Proposal and Addendum A. Stimson will inform DEQ by e-mail 10 days in advance of all work that will be performed pursuant to this work plan.

3. OBJECTIVES

The objectives of the proposed work are to remediate (via excavation and off-Site disposal) soil and materials within the Compressor Building area containing PCBs above 0.74 ppm.

4. SPECIFIC TASKS

This remedial action includes the following tasks, listed in approximate chronological order.

1. Permits/stormwater;
2. Mobilization;
3. Health and safety;
4. Site preparation;
5. Delineation of excavation limits;
6. Excavation and stockpiling;
7. Demolition and sizing of concrete foundations, walls and other
8. Subgrade structures;
9. Confirmation sampling;
10. Transportation and disposal of impacted materials;
11. Traffic control (onsite);
12. Dust control;
13. Quality assurance/quality control;
14. Equipment decontamination; and
15. Final Re-Grading.
16. Storm Drain Sediment Confirmation Sampling
17. Monitoring Well (MW-23) Installation

Following completion of the work, a report of work completed will be prepared and submitted to DEQ for approval in accordance with Section VIII, Paragraph 82 of the AOC.

The following sections describe, in more detail, the specific tasks to be completed. Unless otherwise specified, the approved methods in the Work Plan, Final Design Proposal, and Addendum A also apply.

4.1 Permits/Stormwater

Because the Compressor Building has already been demolished by BPD, leaving concrete foundations, footings and slabs below grade, neither a building permit nor an asbestos containing material (ACM) survey is required, In addition, because the proposed excavation will be smaller than one acre, a Storm Water Construction General Permit is not required (nor a Storm Water Pollution Prevention Plan required by such permit). Instead, Stimson has prepared and will implement an erosion control plan; the proposed control measures are delineated in Section 8 below and shown on **Figure 6**.

4.2 Mobilization

The initial project mobilization will begin following completion, review, and acceptance of the final work plan by DEQ and EPA. Workforce infrastructure will be established including small equipment storage, sanitary facilities, project office, power, setup of the surveying base station, and communications. Heavy equipment and labor will be mobilized as needed. All equipment will be inspected as it arrives on Site for condition and operability.

4.3 Health and Safety

A Health and Safety Officer (HSO) will be assigned to the project. The HSO serves as the "Site safety and health supervisor" as defined in the "HAZWOPER" regulations (29 CFR 1910.120/1926.65(b)). This includes authorization to administer the requirements of this plan, Stimson's and the contractors Health and Safety Program, and compliance with applicable Occupational Safety and Health Administration (OSHA) regulations on Site. The HSO implements the provisions of the HASP, conducts and documents training and daily Site safety inspections, and monitors compliance with requirements of the Owner, and OSHA.

A Health and Safety Plan (HASP) was prepared for the original Removal Action and remains in effect for this follow-up work. The HASP, Activity Hazard Analysis, and Site safety procedures that address Site hazards (such as weather-related hazards, electrical hazards, work near water, and heavy equipment operation) will be reviewed with all personnel working on Site prior to them starting work. Training will include daily morning safety briefings where employees will review safety issues relevant to the day's activities including changes in work zones, schedules, traffic routes, etc., or review lessons learned from other projects.

4.4 Site Preparation

Site preparation will consist of a minimal amount of clearing and grubbing of the planned excavation area around the Compressor Building, as well as the establishment of soil stockpile zones, installation of silt fence and other stormwater controls, as well as the delineation of work and transit zones. Electric lines associated with the sump pump for the MW-11 drywell will be confirmed as inactive and removed prior to beginning excavation activities. A silt fence, straw

waddles, and other controls will be installed in accordance with industry standard guidelines as approved by the DEQ. In addition to a straw waddle, the storm drain located within the TSCA stockpile location (see **Figure 6, Detail A**) will have existing sediment within the storm drain removed with a vacuum truck prior to being covered with plastic sheeting and clean soil to create a barrier to potential infiltration of surface water. Other Site preparation tasks will include construction of onsite haul roads, lay-down areas, and stockpile areas for overburden and PCB-impacted soils, and defining controlled Site-access points for transport trucks (**Figure 7**). In areas where haul roads coincide with non-paved surfaces, soil berms will be constructed on either side of the haul road to control potential surface water erosion and transport of PCB-impacted soil. Stockpile areas located over unpaved surfaces will be covered with plastic sheeting.

Safety barriers and signs will be installed to isolate the excavation, haul roads, high-pressure gas line, and other hazardous areas. Locations of these activities will be approved by the Site owner and DEQ. Any stockpile areas for soil containing PCBs equal to or greater than 50 ppm will comply with 40 CFR 761.65 and the AOC.

4.5 Delineate Excavation Limits

The excavated material will be classified as one of the three following types:

1. Soil and impacted materials with PCB concentrations below 0.74 ppm are deemed acceptable for reburial within the excavation limit in areas more than 10 feet lateral to the post-RA riverbank boundary.

2. Soil and impacted materials containing equal to or more than 0.74 ppm but less than 50 ppm PCBs are acceptable for disposal at the Republic Landfill in Missoula.

3. Soil and impacted materials containing PCB concentrations equal to or more than 50 ppm require disposal at facility permitted to accept TSCA wastes.

Soil excavation, segregation, and disposition will be based on the existing in-situ soil analytical results, i.e., the test pit/soil boring/soil sampling results and defined as delineated "cells." The data and sample results are presented in *Appendix A* and were used to create figures depicting the location of each of the types of material listed above. See **Figures 3**, **4** and **5**. The grid excavation depths and lateral limits will be used by the engineer and the surveyor to create a Global Positioning System ("GPS") model to guide the excavation limits described in this section. A final survey of the excavated area will be used to produce as-built drawings documenting the removal action. The extent of the final excavation will be further guided by the results of in-situ soil confirmation sample analyses.

4.6 Excavation and Stockpiling

Excavation will begin after the erosion control features, truck inspection area, and support structures have been installed. The work is currently planned to begin on or about January 4, 2016, with an approximate 60-day performance period. **Figure 8** shows the proposed schedule for remediation. Materials characterized as having PCB concentrations exceeding Site cleanup levels will be excavated using GPS-equipped tracked excavators, and other equipment as necessary for completion of the work,

Using the classifications provided above, the excavation will begin near the north side of the Compressor Building footprint, adjacent to CB-1, with the construction of the access ramp. Soil and existing debris materials will be removed from all the impacted grids using a Komatsu PC-400 hydraulic excavator in layers as the work progresses vertically through the columns. Excavation of the ramp will run in conjunction with the vertical extent of CB-1, CB-5, and CB-11 (the deepest grids) to allow access by a 30-ton articulated haul truck. Excavation will progress to the vertical and horizontal extent established during the design phase of this project. The GPS model will guide the excavation equipment and eliminate the need for grade checking/verification with an individual accessing these excavation zones. During the deeper excavation stages, any material encountered that is deemed too saturated for direct loading will be staged within the inside edge of the excavation and allowed to dewater prior to loading into trucks. The term "too saturated for direct loading" is a qualitative visual and/or tactile determination to be made in the field by the excavator operator responsible for blending materials of varying moisture content. This determination will be based on experience, particularly on landfill acceptance or rejection of previous loads, and on verifying that no free liquids are draining from the loaded truck beds.

During the excavation phase, concrete blocks, slabs, walls and other foundation materials, as well as general debris, are expected to be encountered. A Komatsu PC-490 hydraulic excavator equipped with a 10,000-pound hammer and interchangeable pulverizer will be available to demolish, size and process solid materials for stockpiling and disposal. Concrete that is encountered within the specified grids characterized as “PCB-impacted” will be segregated for disposal. All other concrete encountered outside these limits will also be processed and stockpiled for visual inspection and characterization, as necessary. Organic debris, including stumps, roots, dimensional lumber and other materials, will also follow this protocol for PCB characterization, and all such materials will be disposed offsite. Disposal locations depending on PCB concentrations are described below.

An over-the-road truck loading area will be established adjacent to the excavation zone to minimize material handling. This loading area will be covered with a thin layer of crushed rock, plastic liner, or other materials to minimize tracking. The existing concrete pad, utilized in previous phases of work, will also be used as a stockpiling location for PCB-impacted materials greater than 50 ppm. The truck loading area will be cleaned, as needed, to minimize impacted material contact with the truck tires. After the tarps have been secured on each truck bed, the

trucks will be inspected and broom-swept (as necessary) prior to being released for offsite transport and disposal. Due to scheduling this work during the cold season, ground conditions should remain frozen minimizing the amount of mud and other materials sticking to equipment and truck beds.

Nine 55-gallon steel drums containing drill cuttings from the Compressor Building assessment work are currently staged near the excavation area (**Figure 6**). These drums will be segregated based on analytical results from the assessment work, then placed into the appropriate stockpile, and hauled to the appropriate disposal facility.

PCB-impacted materials will be excavated and disposed of based upon concentrations described in the *Compressor Building Assessment Report* (**Appendix A**) and ongoing excavation confirmation sampling:

1. Soil containing less than 0.74 ppm PCBs may be used as backfill in areas more than 10 feet lateral to the post-RA riverbank boundary. (Clean backfill will need to come from offsite and will be placed in the very bottom of the excavation area to create at least a 10-foot separation from groundwater. Clean backfill of at least two feet will also be used on the top of the <0.74 ppm material being used to backfill the excavation area.)

2. Soil containing more than 0.74 ppm but less than 50 ppm PCBs will be stockpiled to an agreed-to and DEQ-approved location within the mill facility. The stockpiled material will then be loaded directly into over-the-road dump trucks equipped with tarps for transportation to the Republic landfill located in Missoula, Montana. The over-the-road trucks may not be directly loaded because they cannot enter into the PCB excavation removal area. Republic has accepted the material as a follow-on to disposal conducted during previous phases.

3. Materials containing 50 ppm PCBs or higher will be excavated, transported, and stockpiled within a secure area on a liner or impermeable surface in accordance with relevant requirements of 40 CFR 761.65. Alternatively, a roll off(s) or truck and trailers may be staged onsite to receive this material. The stockpile will be covered with a tarp or other form of dust control, while awaiting transport to the US Ecology TSCA landfill and in accordance with relevant requirements of 40 CFR 761.61. US Ecology's TSCA-certified landfill facility near Boise, Idaho has tentatively been selected to receive this material. The secure stockpiled area will be cleaned and sampled after the PCB material identified for off-Site disposal has been removed and shipped.

4.7 Confirmation Sampling

When the approximate limits of excavation have been reached (based on the excavation model), the base and sidewalls of the excavation will be sampled to determine whether in-situ soils contain PCBs at concentrations less than 0.74 ppm. Analysis of the confirmation samples will be performed with a 2-day turnaround time (TAT) rush analysis. The 2-day TAT will limit delay. See SAP (Work Plan Appendix I) for more details on sampling protocols, analytical methods, and quality assurance. Confirmation samples will be collected in general accordance with the approved SAP as follows:

1. Base of excavation samples – One PCB composite sample consisting of five subsamples collected for every 9 meter-by-9 meter area (approximately 870 square feet) or lesser area; and,

2. Excavation sidewall samples – One PCB composite sample consisting of five subsamples collected from sidewalls for every 3 lineal meters (approximately every 10 feet) of sidewall.

Following completion of all removal actions, confirmation sampling will be completed on non-paved haul roads. One PCB composite sample consisting of five subsamples will be collected for every 100 meters (approximately 328 feet) of haul road. The subsamples will be collected from depths of 0 to 3 inches below grade, in accordance with Phase 1, 2, and 3 road clearance sampling protocols. All subsample locations will be surveyed with a hand-help GPS.

Confirmation sampling will be collected by a sampling technician wearing disposable nitrile gloves, and using a stainless-steel trowel decontaminated between samples or using a disposable device. Subsamples will be mixed in a decontaminated stainless-steel bowl or disposable plastic container to create composite samples. Samples collected from within excavations will be obtained using safe excavation-entry procedures as described in the HASP.

All sampling, sample preservation, shipping, and documentation will be conducted according to standard operating procedures. Chain-of-custody forms will be completed and samples will be placed on ice in coolers for shipment to the lab. Samples will be analyzed by Energy Laboratories of Billings, Montana for PCBs by Method 8082. DEQ will be provided with confirmation sample results within 24-hours of receiving the preliminary results.

4.8 Dewatering

No dewatering is planned for this work. Seasonally-high groundwater was measured in MW-15R on June 10, 2015 at approximately 39.58 feet below the top of the monitoring well casing. Groundwater depth during the planned excavation period will be five to ten feet below the seasonally-high level measured in June 2015. The final excavation depth, based on the existing data, is expected to be 42 to 45 feet below ground surface. Even if the excavation base confirmation samples require removal of another two to three feet of material, this can be accomplished by excavating through water as necessary.

4.9 Transportation Methods and Routes

Material to be disposed at the Republic Missoula landfill (soils containing more than 0.74 ppm and less than 50 ppm PCBs) will be transported using over-the-road dump trucks with covered beds. These trucks, after being inspected and dry decontaminated onsite will enter Highway 200 from the east mill entrance traveling south and west to Interstate 90, continuing on Interstate 90 to the Reserve Street exit and thence south to Grant Creek Road, Cemetery Road, Rodgers Street, Shakespeare Street, and Old Coal Mine Road to the landfill entrance.

Because of increased economic development with substantially increased activity and personnel on-site since 2012, the use of the west gate as described in the original Work Plan is no longer safe and would increase risk to other, non-project employees working on-site.

Any material requiring disposal at a TSCA landfill (containing a PCB concentration equal to or greater than 50 ppm), will be manifested and shipped in accordance with applicable laws and regulations, including relevant requirements of 49 CFR 170 through 180. Trucks hauling TSCA waste off-site will be TSCA-certified to haul to the US Ecology landfill facility.

4.10 Transportation and Disposal of Impacted Materials

1. Offsite Soil Disposal

   Prior to transport and disposal of PCB-impacted soils and materials with concentrations between 0.74 and 50 ppm, formal approval will be obtained from Republic Waste via its standard profiling process for special waste. Republic Waste has already been contacted and has indicated that the "paint filter test" (method 9095B) applies to the soil and material planned for transportation and disposal at its Missoula facility; Stimson will ensure that these standards are met (e.g., no free liquids over a five-minute test period). Disposed quantities will be tracked using Republic Waste's standard weigh tickets that show truck identification, time of arrival, and net tonnage of material delivered to its Missoula landfill.

   For any material being transported and disposed at a TSCA facility, a uniform hazardous waste manifest will be completed for each load leaving the Site. Completed manifests and load tickets, or a summary invoice listing dates and quantities for material disposed off-Site, will be included in the final report for this removal action. Stimson will comply with all applicable legal requirements when transporting and disposing of the waste, including the TSCA regulations at 40 CFR 761.61 and 40 CFR 761.65.

2. Disposition of Soil Containing Less Than 0.74 ppm PCBs

Per the requirements of the AOC and Work Plan, all PCB-impacted soil and earthen materials which are <0.74 ppm may be excavated, temporarily stockpiled, and may be used to backfill the Compressor Building excavation. (Clean backfill will need to come from offsite and will be placed in the very bottom of the excavation area to create at least a 10-foot separation from groundwater. At least two feet of clean backfill will also be placed on top of the <0.74 ppm material being used to backfill the excavation area.)

4.11 Traffic Control

Since the haul trucks will be using an existing "truck gate" entrance on the east side of the Site, these drivers will be following the same requirements for current truck traffic in and out of the Site. No additional signage is expected to be necessary.

4.12 Dust Control

Due to the time of year this project is to be completed, dust control is not anticipated to be a major issue. In the event of dry periods, a water truck will be used to spray dirt haul roads, the excavation, and any active and uncovered impacted soil stockpiles, as needed, to prevent fugitive dust. All measures for controlling fugitive dust emissions will comply with ARM 17.24.761. Haul roads constructed for this project will include using as much of the existing paved surfaces through the facility as possible. For those roads to be constructed onsite, these sections will be graded, compacted, and watered, as necessary. Selecting the final onsite haul route alignment will be based on avoiding low areas or where excessive mud and soft spots could be encountered.

The haul roads will be inspected periodically during hauling activities; if dry, the roads will be sprayed with water. The haul roads will not be sprayed excessively, which could lead to excessive mud tracked off-Site as well as vehicle safety hazards. However, all trucks leaving the Site will be inspected prior to exiting the project Site. Haul roads will be cleaned and sampled after the PCB contaminated materials are properly disposed of.

4.13 Quality Assurance/Quality Control

Excavation limits will be controlled by GPS surveying; this surveying will be supervised and checked by a Montana-licensed Professional Land Surveyor, who will also be responsible for producing the as-built drawings. Excavation and final grading tolerances will be +/- six inches.

All sampling activities will be conducted according to the SOPs included in the Work Plan's Appendix B. Samples will be documented using a dedicated field sampling logbook; the sampling technician will complete logbook entries as to date, time, sample location(s), unique sample number, and any unusual observations. Field duplicate samples will be collected at a rate of 5 percent to evaluate data quality. Sample blanks and trip blanks are not considered relevant

for this project. Laboratory QA/QC will comply with Energy Laboratories' standard Quality Assurance Manual.

Backfill material will be generated either onsite through overburden segregation or imported from the Republic Landfill, which is undergoing expansion operations. Material imported from any new sources, other than those identified here, will be sampled and analyzed to confirm that it is suitable for use as fill. Backfill confirmation sampling of off-Site materials will consist of 5-point composite samples collected from stockpiled excavated material and analyzed for PCBs. The analytical results will be provided to the DEQ for review and approval. Backfilled soil will be compacted, using conventional equipment including roller compactors.

4.14 Equipment Decontamination

All trucks and equipment leaving the Site will be inspected and decontaminated prior to exiting. Care will be taken during loading operations to minimize tire contact with sediments. Onsite haul roads will also be graded and surfaced with crushed rock or other suitable materials, as needed, to minimize tire contact with mud or other materials. All over-the-road-trucks transporting materials destined for offsite disposal will be inspected, prior to being released from the Site, for visible contamination or soil materials. Dry decontamination methods, including the use of brooms, shovels and other implements, will be employed to remove any loose dirt or materials from the wheels and chassis of these trucks.

4.15 Final Re-Grading

Final grading of the disturbed Compressor Building area will be to the approximate pre-existing surface grade following the haul road confirmation sampling described in Section 4.7, above. **Figure 8** shows the estimated final ground elevations and long-term stormwater features. Depressions, other than those required for stormwater collection/retention, will be eliminated, and the disturbed area will be blended with surrounding areas.

4.16 Storm Drain Sediment Confirmation Sampling

A composite, confirmation sample will be collected from the bottom of the storm drain dry well within 30 days of Phase 4 construction completion to confirm that the BMPs shown on **Figure 6** performed adequately.

4.17 Monitoring Well (MW-23) Installation

A groundwater monitoring well (MW-23) will be installed on or before April 15, 2016 in order to include it with the sampling event scheduled for May or June 2016. The well will be placed due west of the Phase 4 removal area, in the approximate vicinity of CB-9. Stimson and DEQ will work with BPD to determine the final location in order to minimize impact to future site development activities.

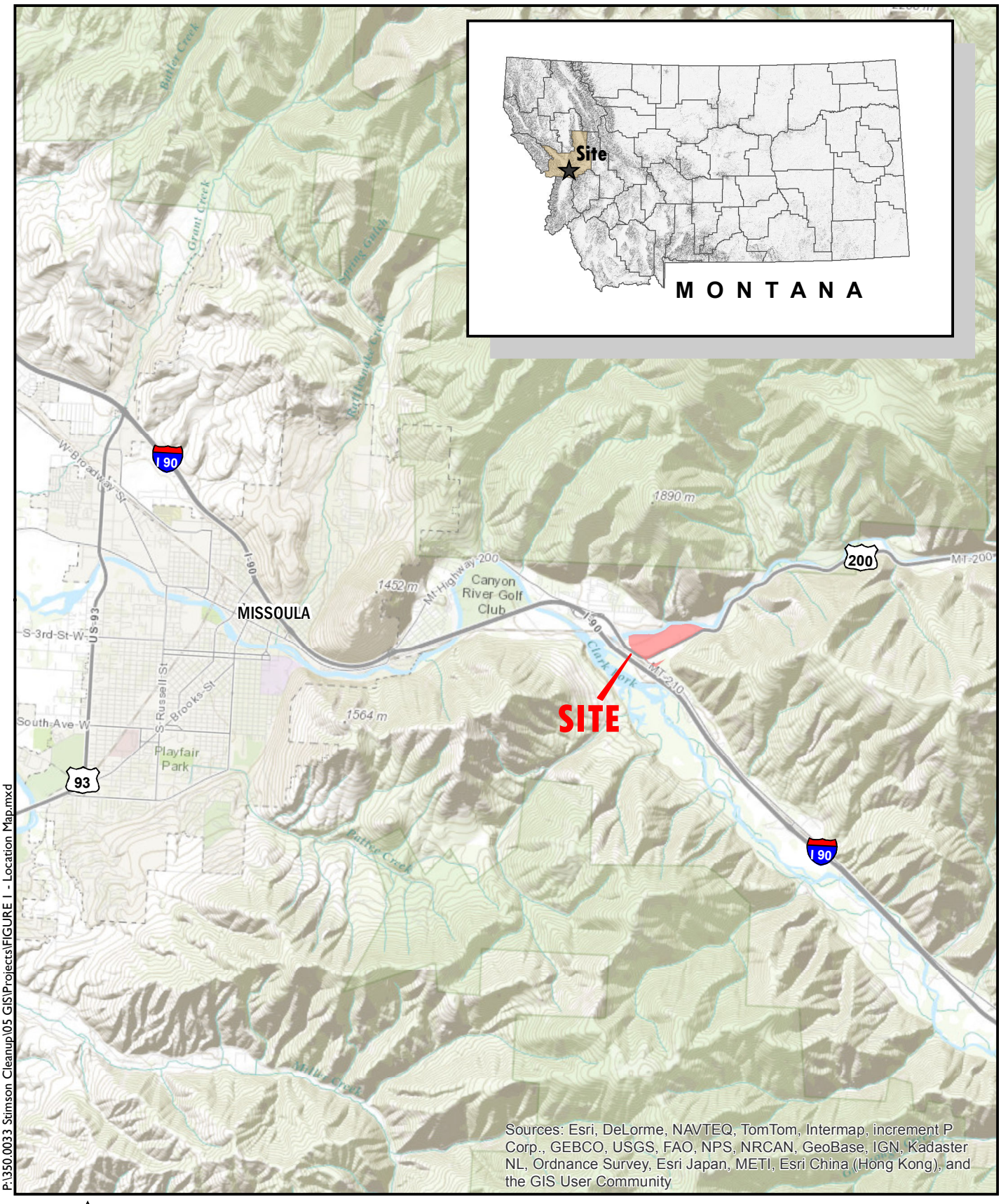
5. SCHEDULE

A project work schedule is included as **Figure 9**.

6. DELIVERABLES

The work addressed in this work plan is intended to complete all remaining tasks required under the AOC. A final report, as required by Section VIII, Paragraph 82 of the AOC, will be submitted to DEQ within 60 days of completion of all work under this work plan. The report will include a narrative of project activities and all required supporting documents in accordance with the AOC.

FIGURES

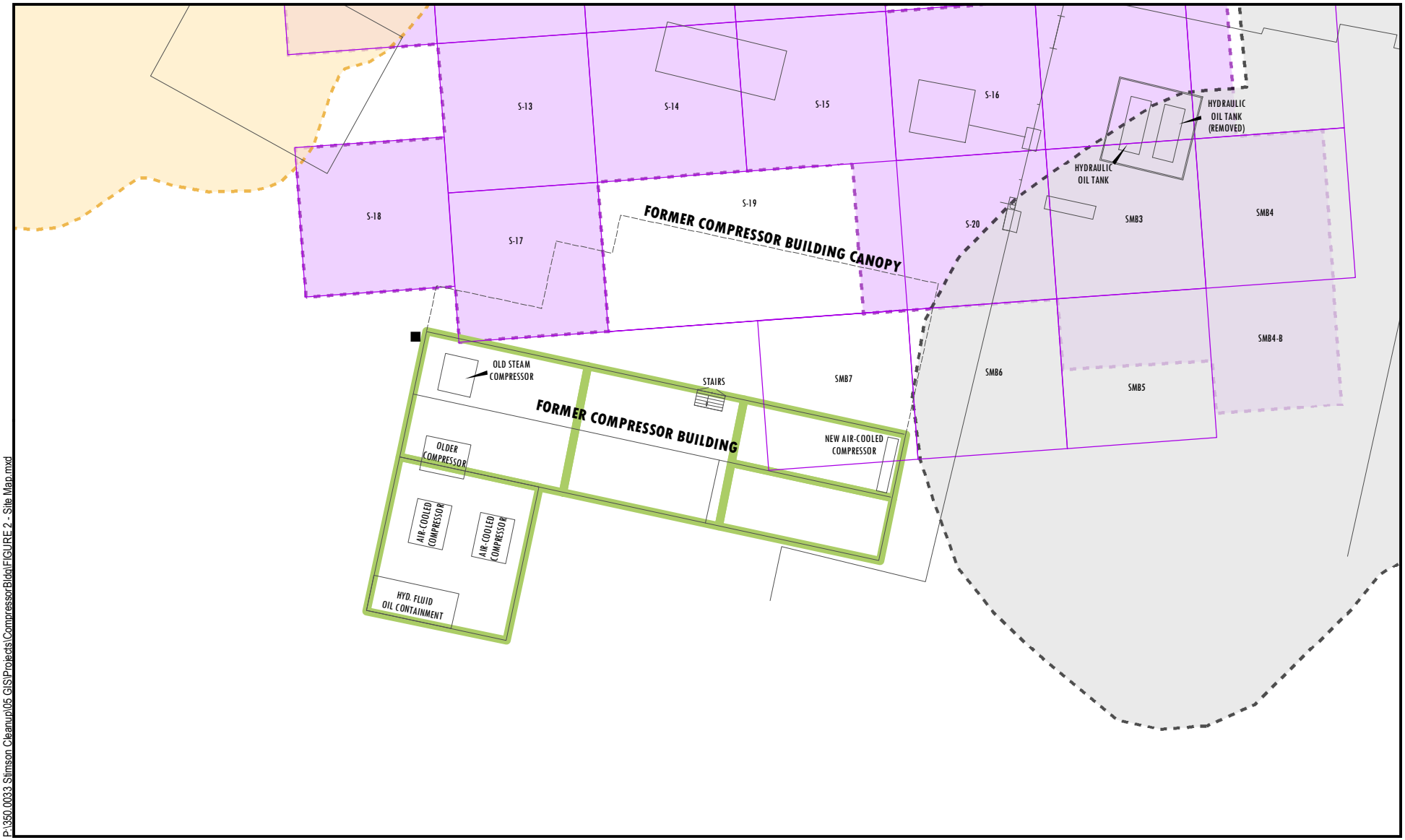


P:\350.0033 Stimson Cleanup\05 GIS\Projects\FIGURE 1 - Location Map.mxd

0 Feet 10,000

NewFields

Location Map
Former Stimson Bonner Millsite
Bonner, Montana
FIGURE 1



N

0 Feet 30

Respec Sample Location

Grid

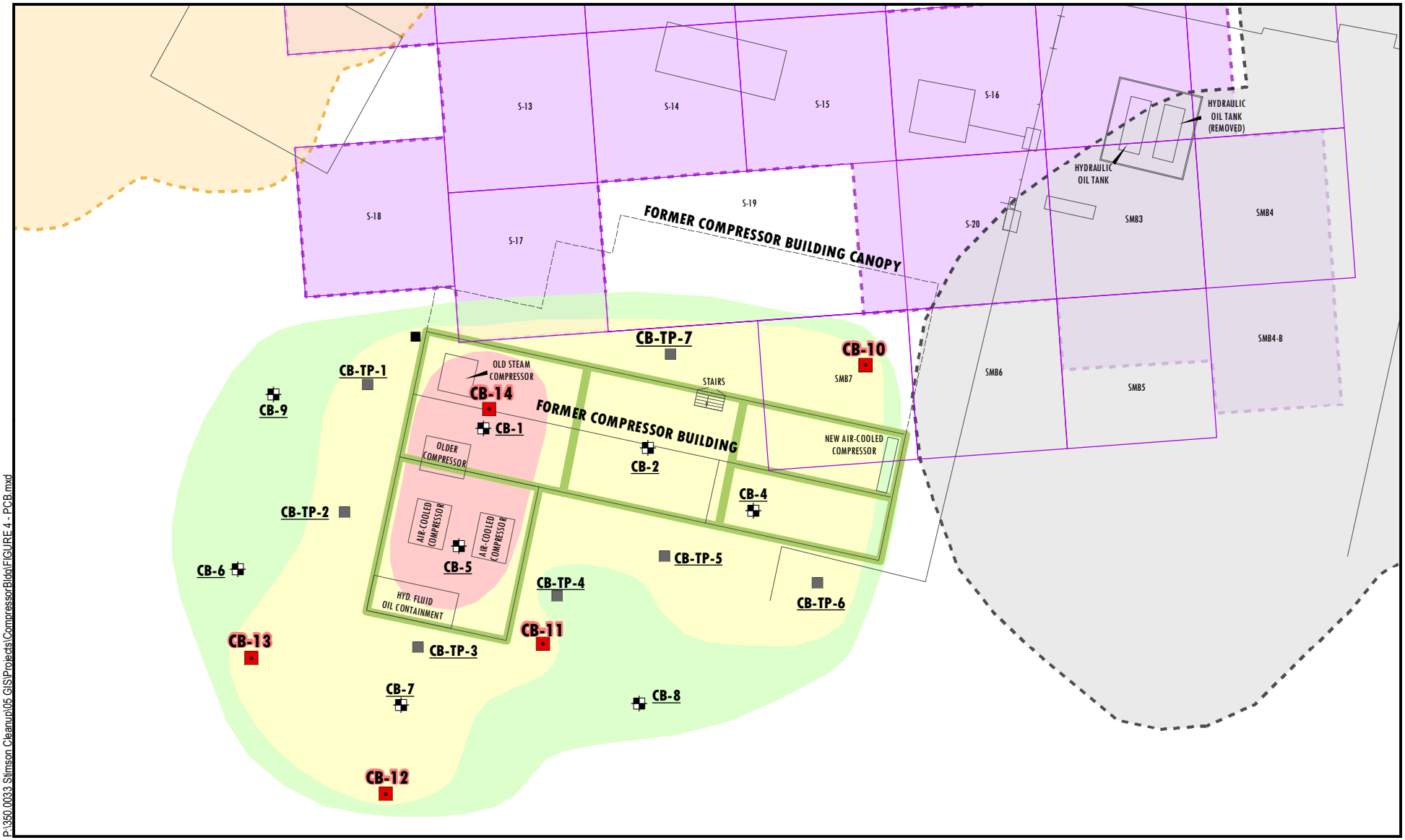
MW-13 Area Excavation

MW-15 Area Excavation Extent

Fire Pond Lagoon Excavation

NewFields

Site Map
Compressor Building Assessment Report
Former Stimson Bonner Millsite
Bonner, Montana
FIGURE 2



P:\350.0033 Stimson Cleanup\05 GIS\Projects\CompressorBldg\FIGURE 4 - PCB.mxd

N

0 Feet 30

NewFields

- Respec Sample Location
- Boring Location
- Supplemental Boring Location
- Test Pit Location
- Grid

- MW-13 Area Excavation
- MW-15 Area Excavation Extent
- Fire Pond Lagoon Excavation

PCBs (ppm)

- > 50
- 0.74 - 50
- <0.74

Approximate Aerial Extent - PCBs
Compressor Building Assessment Report
Former Stimson Bonner Millsite
Bonner, Montana
FIGURE 3

Existing Drain Sump
"Protect in Place"

GAS LINE

3279.93 GAS
3273.61 GAS
3275.11 GAS
3273.11 GAS
3274.77 GAS
3276.28 GAS
3279.16 GAS
3280.23 GAS
3281.27 GAS
3281.95 GAS
3283.57 GAS
3283.30 GAS
3278.32 GAS

1+80
1+00
RAMP
1+75
0+00 E–E'
D–D' 0+00
C–C' 0+00
B–B' 0+00
A–A' 0+00
1+00
1+50
1+70

CB–TP–1
CB–TP–2
CB–TP–3
CB–TP–4
CB–TP–5
CB–TP–6
CB–TP–7
CB–1
CB–2
CB–4
CB–5
CB–8
CB–10
CB–11
CB–12
CB–13
CB–14
STEEL TANK

Republic 3,356 CY
TSCA 1,748 CY
Overburden 5,675 CY
Total Excav 10,779 CY
Ramp Excavation
Outside Limits 2,296 CY
Within Limits 779 CY
Total Excav 3,075 CY
Total Excav 13,854 CY (incl ramp)

0 30
1" = 30'

TSCA
REPUBLIC

CB–10 SMB6 Boring Name and Location

Note:
No Action Required for Borings CB-6, CB-8, CB-9

Original Design Grid Size is 22' x 22' Centered at Boring Location

Envirocon
101 International Drive
Missoula, MT 59808

PREPARED FOR:

STIMSON PHASE IV

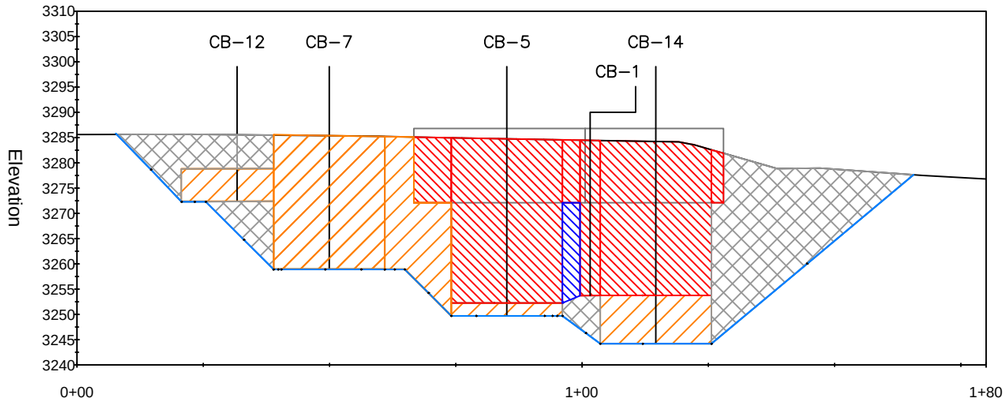
TITLE:

FIGURE 4
EXCAVATION AREA
PLAN VIEW

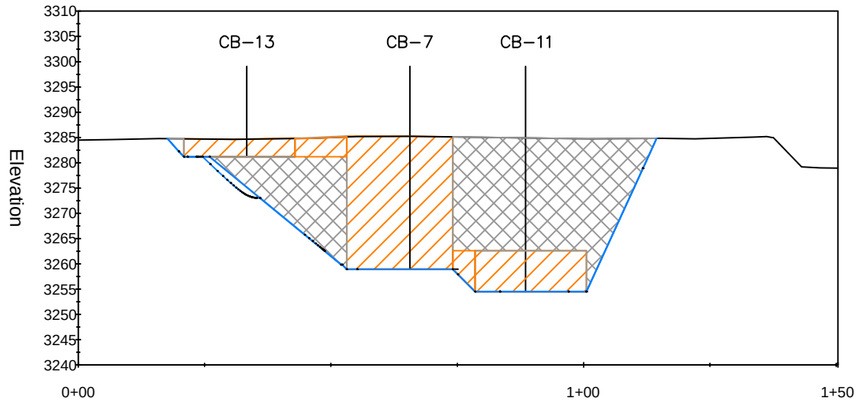
Drawn:	J.S.
Checked:	A.B.
Approved:	x
Date:	12/16/2015
Project No.	1498101

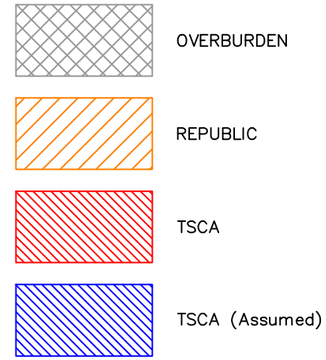
\\evcn.com\envirocon\Departmental\AutoCAD\1498101 Stimson Phase IV\Project Figures\151216-Excavation.dwg, FIGURE 4 Plan

SECTION A-A'



SECTION B-B'





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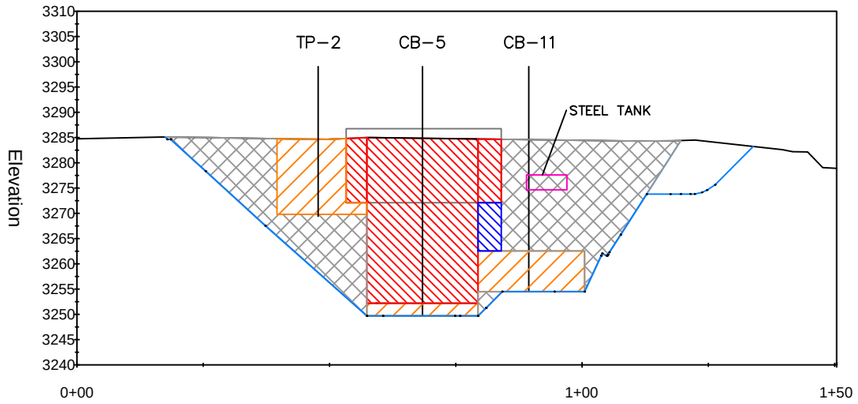

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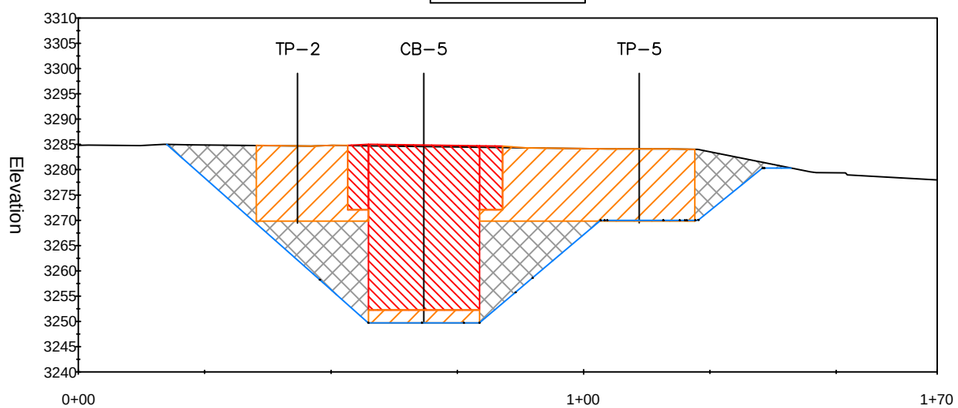

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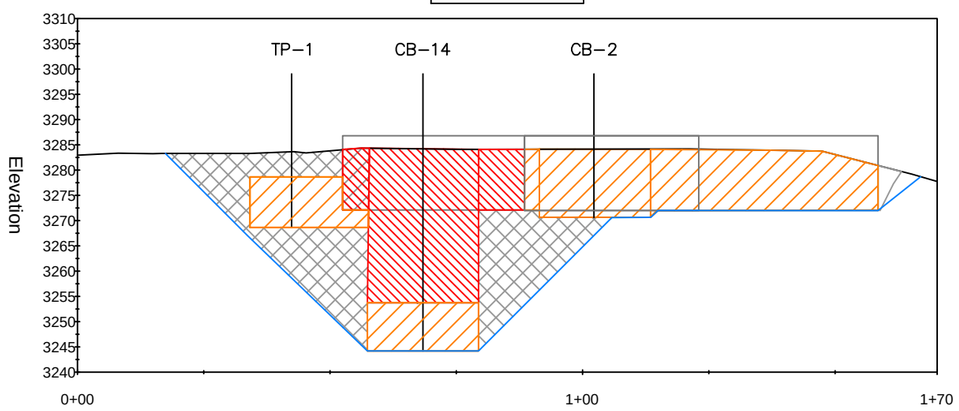

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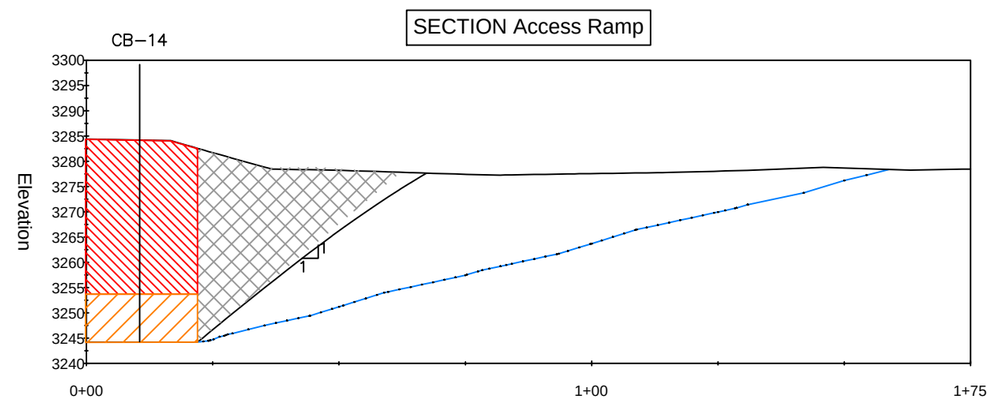


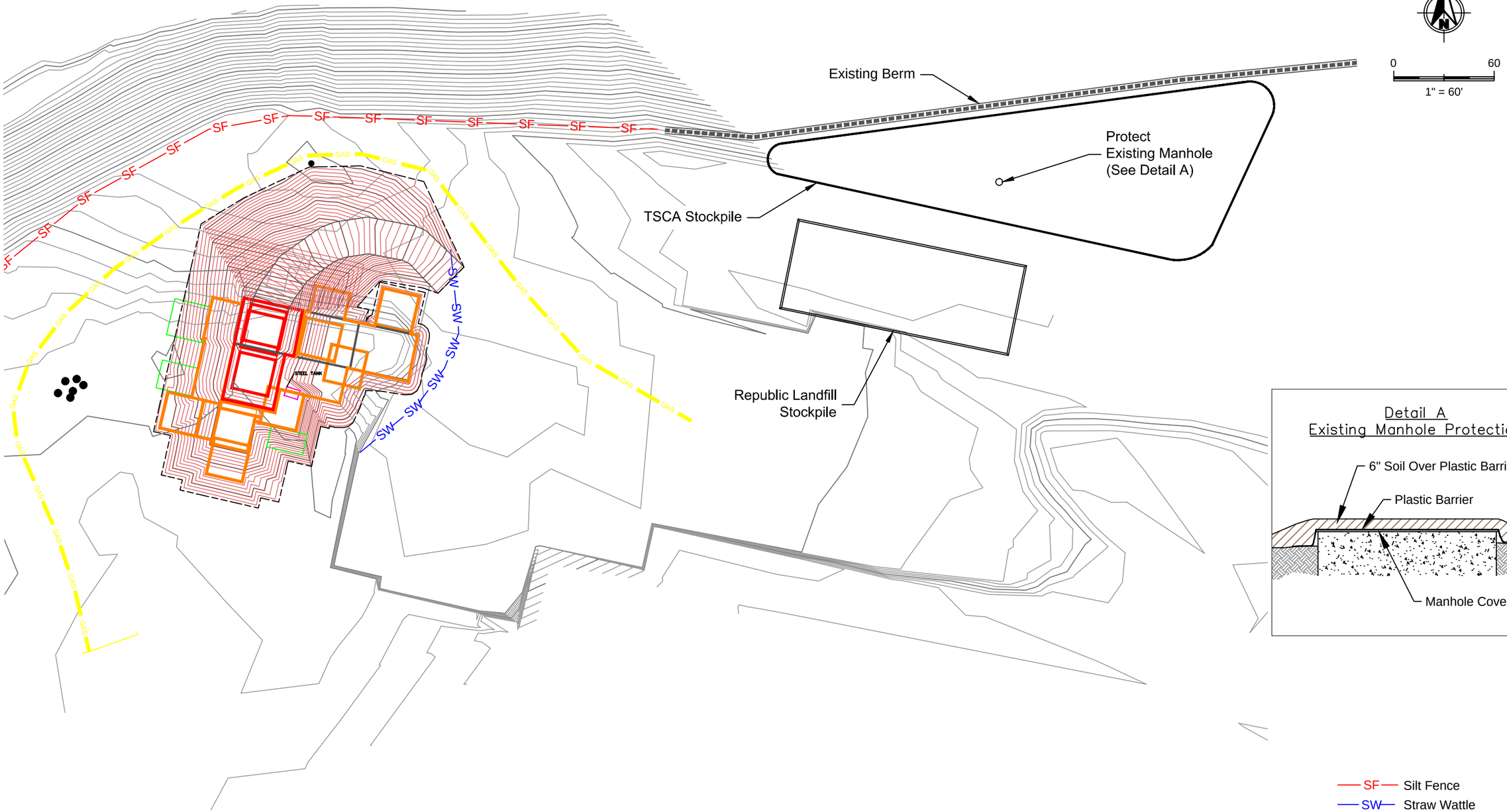
Envirocon
101 International Drive
Missoula, MT 59808

PREPARED FOR: STIMSON PHASE IV

TITLE: FIGURE 5
EXCAVATION AREA
CROSS SECTIONS

Drawn:	J.S.
Checked:	A.B.
Approved:	x
Date:	12/16/2015
Project No.	1498101

\\evcn.com\envirocon\Departmental\AutoCAD\1498101 Stimson Phase IV\Project Figures\151216-Excavation.dwg, FIGURE 5 Sections



Detail A
Existing Manhole Protection

SF Silt Fence

SW Straw Wattle

CB–10 Boring Name and Location

Note:
No Action Required for Borings CB-6, CB-8, CB-9

Envirocon
101 International Drive
Missoula, MT 59808

PREPARED FOR:

STIMSON PHASE IV

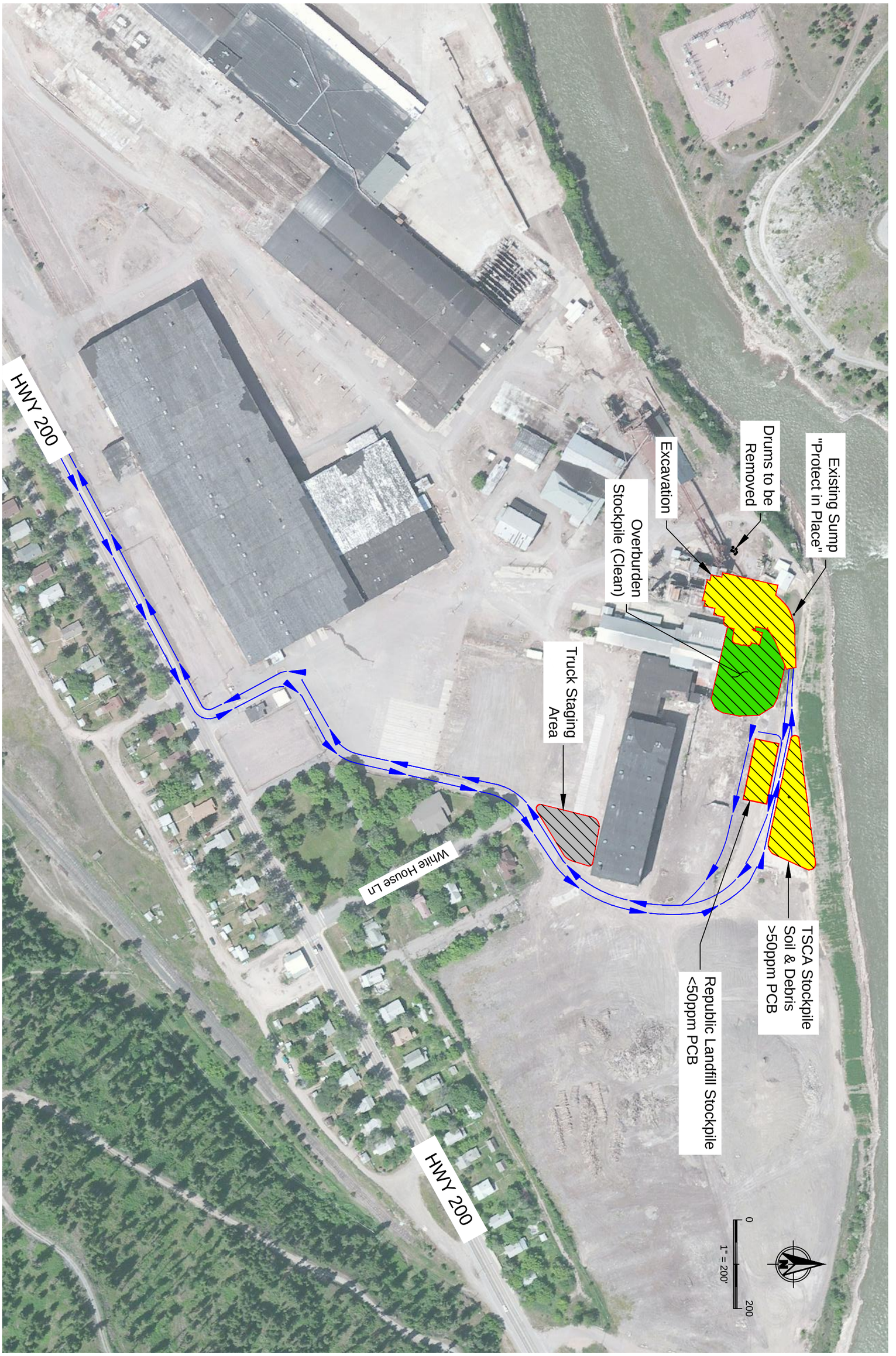
TITLE:

FIGURE 6
EROSION CONTROL PLAN

Drawn:	J.S.
Checked:	A.B.
Approved:	x
Date:	12/16/2015
Project No.	1498101

\\evcn.com\envirocon\Departmental\AutoCAD\1498101 Stimson Phase IV\Project Figures\151216-Excavation.dwg, FIGURE 6 Erosion Control

Y:\1498101 Stimson Phase IV\Project Figures\151117-Matl Staging.dwg, Figure 7



Drawn:	J.S.
Checked:	A.B.
Approved:	x
Date:	11/17/2015
Project No.	9067

TITLE:

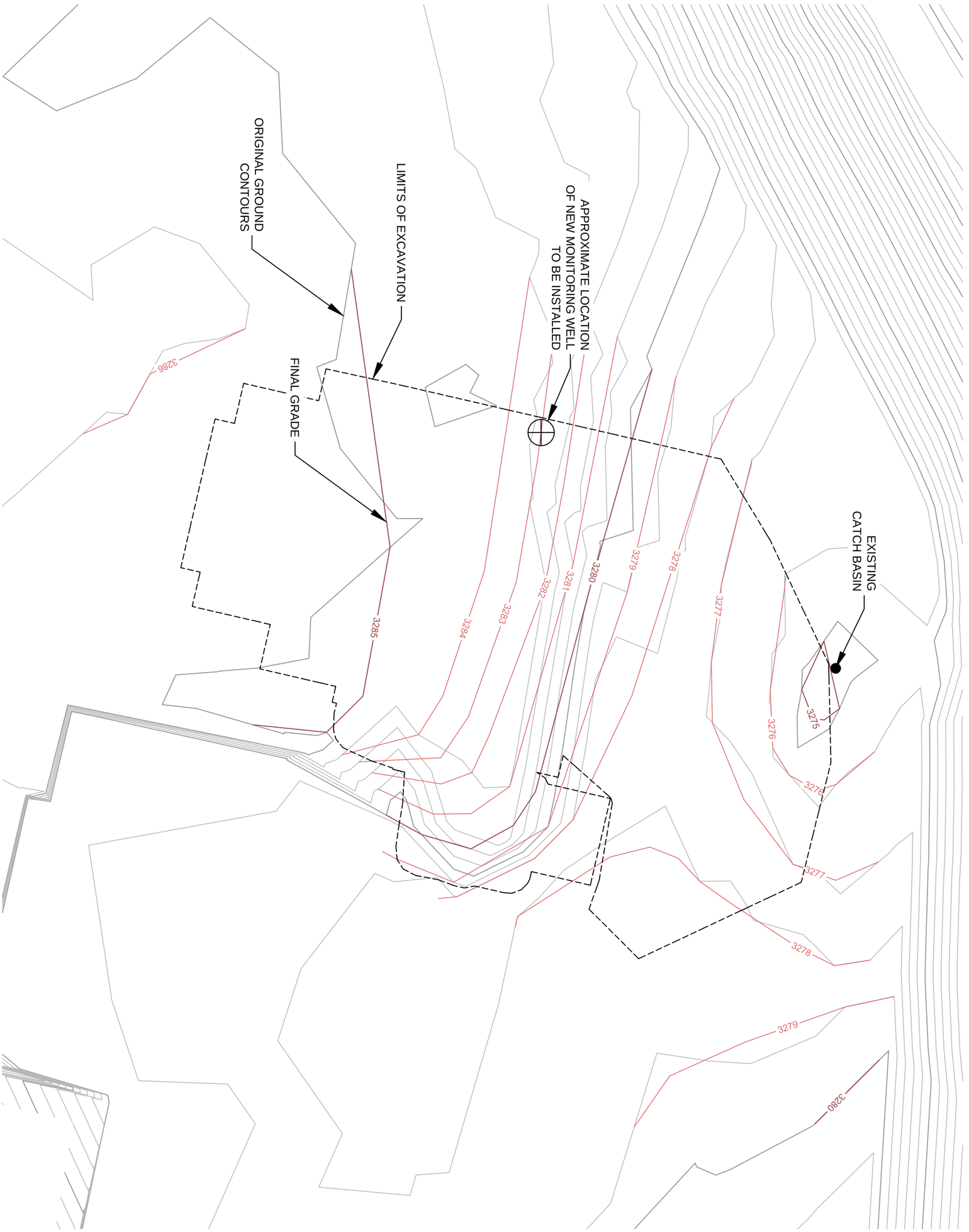
FIGURE 7
MATERIAL STAGING &
TRANSPORT PLAN

PREPARED FOR:

STIMSON PHASE IV

Envirocon
101 International Drive
Missoula, MT 59808

\\evcn.com\envirocon\Departmental\AutoCAD\1498101 Stimson Phase IV\Project Figures\151216-Excavation.dwg, FIGURE 8 Final Grade



Drawn:	J.S.
Checked:	A.B.
Approved:	x
Date:	12/16/2015
Project No.	1498101

TITLE:

FIGURE 8
FINAL GRADE
PLAN VIEW

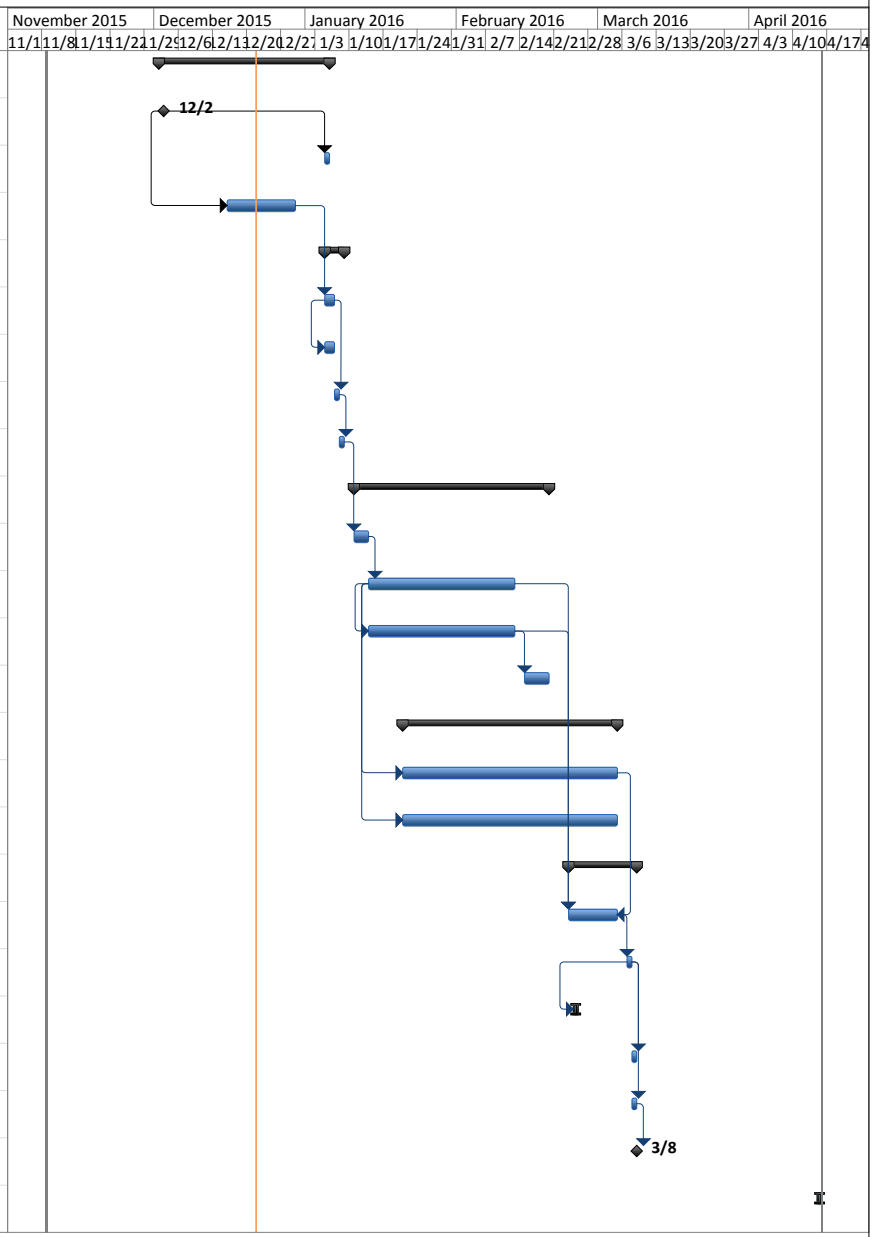
PREPARED FOR:

STIMSON PHASE IV

Envirocon
101 International Drive
Missoula, MT 59808

Figure 9
Stimson Lumber, Bonner Mill PCB Removal
Phase IV

ID	Task Name	Dur	Start	Finish
1	**Award Project and Prepare Work Plan**	**22 d**	**Wed 12/2/15**	**Tue 1/5/16**
2	PO Issued	1 d	Wed 12/2/15	Wed 12/2/15
3	Pre-Construction Meeting	1 d	Tue 1/5/16	Tue 1/5/16
4	Prepare Work Plan	7 d	Wed 12/16/15	Tue 12/29/15
5	**Mobilization and Site Preparation**	**4 d**	**Tue 1/5/16**	**Fri 1/8/16**
6	Mobilize Personnel	2 d	Tue 1/5/16	Wed 1/6/16
7	Mobilize Equipment	2 d	Tue 1/5/16	Wed 1/6/16
8	Settup Project Office, Water Sources and Make Utility Connections	1 d	Thu 1/7/16	Thu 1/7/16
9	Establish BMP's and Base Station	1 d	Fri 1/8/16	Fri 1/8/16
10	**Site Work**	**30 d**	**Mon 1/11/16**	**Fri 2/19/16**
11	Demo Concrete Slabs, Footings and Near Surface Foundations	3 d	Mon 1/11/16	Wed 1/13/16
12	Excavation of All Materials and Segregate/Stockpile By Plan	22 d	Thu 1/14/16	Fri 2/12/16
13	Demo Subsurface Concrete Foundations, Supports and Segregate for Sampling by Engineer	22 d	Thu 1/14/16	Fri 2/12/16
14	Soil Sampling and Analytical Standby Time	5 d	Mon 2/15/16	Fri 2/19/16
15	**Materials Disposal**	**32 d**	**Thu 1/21/16**	**Fri 3/4/16**
16	Load, Transport and Dispose of 50ppm soil and debris to Republic Landfill	32 d	Thu 1/21/16	Fri 3/4/16
17	Load, Transport and Dispose of >50ppm soil and debris to US Ecology	32 d	Thu 1/21/16	Fri 3/4/16
18	**Site Reclamation**	**10 d**	**Wed 2/24/16**	**Tue 3/8/16**
19	Load, Transport and Place Backfill Material from Republic	8 d	Wed 2/24/16	Fri 3/4/16
20	Final Grading	1 d	Mon 3/7/16	Mon 3/7/16
21	Storm Drain Sampling	1 d	Thu 2/25/16	Thu 2/25/16
22	Remove BMP's	1 d	Tue 3/8/16	Tue 3/8/16
23	Demobilization	1 d	Tue 3/8/16	Tue 3/8/16
24	Project Complete	0 d	Tue 3/8/16	Tue 3/8/16
25	Install Monitoring Well - MW-23	1 d	Fri 4/15/16	Fri 4/15/16



Project: Stimson Phase IV
Date: Tue 12/22/15

Task	Project Summary	Inactive Milestone		Manual Summary Rollup		Deadline	
Split	External Tasks	Inactive Summary		Manual Summary		Progress	
Milestone	External Milestone	Manual Task		Start-only			
Summary	Inactive Task	Duration-only		Finish-only			

APPENDIX A
Reports

ADDENDUM 2 to FINAL COOLING POND REMOVAL WORK PLAN

Sampling Work Plan for Compressor Building Investigation
Bonner Mill Cooling Pond and Vicinity
Bonner, Montana

Submitted to:
Montana Department of Environmental Quality
1225 Cedar Street
Helena, Montana 59620

Prepared for:
Stimson Lumber Company
520 SW Yamhill, Suite 700
Portland, OR 97204-1330

Prepared by:
NewFields Companies
1120 Cedar Street
Missoula, MT 59802

NewFields

April 2015
Project No. 350.0033

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TABLE

FIGURE

1.0 INTRODUCTION

This work plan has been prepared on behalf of Stimson Lumber Company (Stimson) to investigate and characterize potential polychlorinated biphenyls (PCBs) impacts under and around the location of a former building historically referred to as the steam plant or compressor building (Compressor Building) at the former Bonner Mill (Site).

This is the second addendum (Addendum 2) to the existing approved work plan – *Final Cooling Pond Work Plan*, Envirocon, January 29, 2010 (Work Plan), which was established to implement remedial action work under the Administrative Order on Consent in Docket No. SF-10-0001, between Stimson, the Montana Department of Justice, and the Montana Department of Environmental Quality (DEQ), dated April 29, 2010 (AOC).

The Work Plan addressed the remediation of three areas at the Site: (i) the Fire Pond Lagoon and related petroleum hydrocarbons (PH); (ii) the cooling pond and adjacent areas impacted by PCBs and PH; and (iii) portions of the east log track area impacted by PH and PCBs. This remediation work is described in the *Draft Remedial Action Report – Bonner Mill Cooling Pond and Vicinity*, Envirocon, February 21, 2012. This work is referred to as the Phase I removal action. Phase 2 of the removal action expanded an on-site repository to receive additional low-level waste excavated during Phase 1.

The first addendum to the Work Plan (Addendum 1) was prepared to address the remediation of PCB soil contamination discovered during Phase 1 of the removal action (the "MW-13 area"). In addition to the MW-13 area, Addendum 1 addressed three other areas of the Site: (i) the MW-11 area, (ii) the MW-15 area, and (iii) the SB-3 area. The implementation of the Addendum 1 activities in these four areas is described in the *Remedial Action Report, Phase 3 – Bonner Mill Cooling Pond and Vicinity*, Envirocon September 12, 2014. Addendum 1 was intended to address the final phase of the removal action required to be performed by Stimson under the AOC.

Shortly after completion of the Addendum 1/Phase 3 work activities, the current owner of the Site, Western Montana Development, L.L.C., informed Stimson and DEQ that it had found a limited area of PCB soil contamination in the course of demolishing the Compressor Building. This area is shown on **Figure 1**. DEQ is requiring Stimson to investigate the Compressor Building area under the AOC to determine if there are any PCB impacts to soils requiring removal action.

All drilling, field screening, and sampling methods not listed in this Addendum 2 will follow the Standard Operating Procedures and Sampling and Analysis Plan methods found in the Work Plan and Final Design Proposal and Addendum A. DEQ will be notified by e-mail 10 days in advance of all work that will be performed pursuant to this Addendum 2.

1.1 TASK 1: TEST PITS OUTSIDE COMPRESSOR BUILDING FOOTPRINT

The investigation work will begin outside the footprint of the former Compressor Building. An excavator will be used to excavate a minimum of seven test pits for subsurface sample collection (see **Figure 1**). Test pit depths will vary, dependent upon visual observations and field screening results, but are expected to range from 10 feet below ground surface (ft bgs) to 15 ft bgs. Samples will be collected and

submitted for laboratory analysis from approximately every five vertical feet within the test pit until no impacts are documented with PetroFlag® field screening (Petro Flag), or 15 ft bgs is reached, whichever occurs first.

- Test pit soil samples will be manually collected from the leading edge of the backhoe bucket.
- Sample collection methodology will insure that the sample collected is not in contact with the backhoe bucket.
- Soil removed from each test pit will be temporarily piled next to the test pit on plastic sheeting. At the completion of each test pit, the soil will immediately be placed back into the test pit in the reverse order in which it was removed.
- Each sample will be examined for visual or olfactory evidence of contamination. For test pit samples, Petro Flag screening will be used to determine worst-case soil impacts for laboratory submittal.
- In the event that Petro Flag screening indicates no impacts to soil at depths below 15 ft bgs, the test pit will be terminated and a confirmation sample will be collected from the base of the test pit and submitted for analysis.
- If elevated field screening results and clear visual/olfactory observations in any of the test pits indicate that contamination extends vertically below 15 ft bgs, rotosonic soil borings may be conducted in that area if laboratory sample results confirm additional assessment is required.
- If elevated field screening results and clear visual/olfactory observations in any of the test pits indicate that contamination extends horizontally beyond the planned assessment work, additional test pits may be completed to delineate the horizontal extent of impacted soil in consultation with DEQ.
- Laboratory analytical results from the test pit assessment work will be analyzed for PCBs prior to beginning Task 2.

1.2 Task 2 – Compressor Building Assessment

NewFields will complete five rotosonic borings (CB-1 through CB-5) to 35 ft bgs using a grid sampling scheme based on the former building's footprint (see **Figure 1**). The grid sampling scheme shown in Figure 1 is roughly equivalent to the design described in the Work Plan and Final Design Proposal and Addendum A, with slight modification to match the former building layout. The modified grid provides a better characterization of the building footprint than a continuation of the grid in the original work plan. In the former footprint of the building, sample collection will begin when the intact concrete base of the compressor building is encountered.

- Cores of concrete from the base of the building will be collected from the rotosonic drill rig and submitted for PCBs (EPA Method 8082) analysis.
- Beneath the concrete base of the building, rotosonic cores from each boring will be divided into 5-foot intervals and soil samples will be collected from these intervals based on observed matrix characteristics (sediment, wood waste, or native alluvium) and Petro Flag screening results. If groundwater is encountered before the depth of 35 ft bgs is reached, one grab soil sample will

be collected for analysis from the first two feet of soil immediately above the groundwater interface.

- Timing of the laboratory analyses for the borings will be performed in a step-wise fashion, with analysis of the first three samples collected from the initial 15 ft bgs first. If all three (3) samples in the first 15 ft bgs do not contain PCBs above the cleanup level, Stimson and NewFields staff will consult with DEQ to determine if additional analysis is required; however, Stimson may elect to analyze all samples to expedite the investigation.

1.3 SCHEDULE

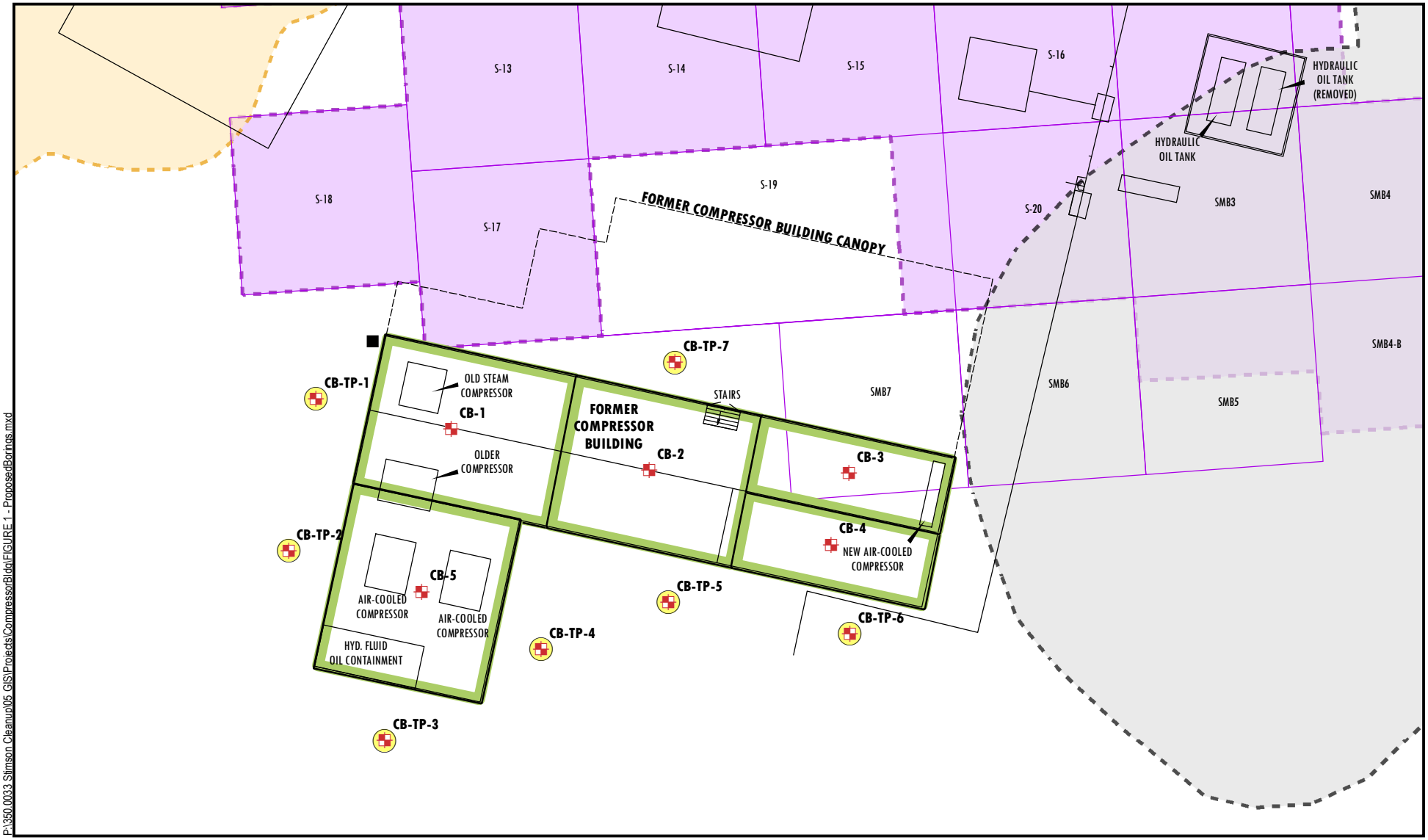
Project schedule and deliverables are shown in **Table 1**.

Table 1. Project Schedule of Deliverables

Task / Deliverable	Task Duration	Expected Completion Date[1]
Addendum 2 Work Plan	5 months	April 30, 2015
Building & Boring Placement Survey	2 days	May 15, 2015
Private Utility Locates	1 day	May 22, 2015
Contractor Mobilization & Site Prep	1 day	June 1, 2015
Test Pit Excavations	1 day	June 4, 2015
Sample Results Turnaround	2 weeks	June 18, 2015
Rotosonic Drilling	2 days	June 22, 2015
Sample Results Turnaround	2 weeks	July 1, 2015
Compressor Building Assessment Report	2 weeks	July 15, 2015

[1] Expected completion dates are estimates and actual dates will be determined by several factors including DEQ and EPA approvals of the work plan and subcontractor availability.

FIGURE



N

0 Feet 25

NewFields

- Respec Sample Location
- Proposed Boring
- Proposed Test Pit
- Grid
- Proposed Cells
- MW-13 Area Excavation
- MW-15 Area Excavation Extent
- Fire Pond Lagoon Excavation

Former Compressor Building Assessment
Former Stimson Bonner Millsite
Bonner, Montana
FIGURE 1

August 6, 2015

Keith Large
Montana Department of Environmental Quality
Remediation Division
1225 Cedar Street
Helena, Montana 59620

Subject: **Addendum 2 to the Final Cooling Pond Removal Work Plan**
Supplemental Sampling Work Plan for the Compressor Building Investigation

Dear Mr. Large:

On behalf of the Stimson Lumber Company, NewFields submits this second addendum (Addendum 2) to the Final Cooling Pond Removal Work Plan (WP). This supplemental sampling WP specifically addresses one area within the former footprint of the Compressor Building and additional areas outside the footprint of the Compressor Building. If you have any questions about the enclosed plan or require additional copies, please contact me at (406) 549-8270.

Sincerely,

Tyler Etzel
Sr. Geologist

Enclosure

cc: Steven Petrin, Stimson Lumber Company
Jeanette Schuster, Tonkin Torp
Al Brule, Envirocon
Rebecca Ridenour, DEQ

ADDENDUM 2 to FINAL COOLING POND REMOVAL WORK PLAN - Supplemental

Sampling Work Plan for Compressor Building Investigation
Bonner Mill Cooling Pond and Vicinity
Bonner, Montana

Submitted to:
Montana Department of Environmental Quality
1225 Cedar Street
Helena, Montana 59620

Prepared for:
Stimson Lumber Company
520 SW Yamhill, Suite 700
Portland, OR 97204-1330

Prepared by:
NewFields Companies
1120 Cedar Street
Missoula, MT 59802

NewFields

August 2015
Project No. 350.0033.005

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TABLE

FIGURE

1.0 INTRODUCTION

This supplemental work plan has been prepared on behalf of Stimson Lumber Company (Stimson) to investigate and characterize potential polychlorinated biphenyls (PCBs) impacts under and around the location of a former building historically referred to as the steam plant or compressor building (Compressor Building) at the former Bonner Mill (Site).

This is the second addendum (Addendum 2) to the existing approved work plan – *Final Cooling Pond Work Plan*, Envirocon, January 29, 2010 (Work Plan), which was established to implement remedial action work under the Administrative Order on Consent in Docket No. SF-10-0001, between Stimson, the Montana Department of Justice, and the Montana Department of Environmental Quality (DEQ), dated April 29, 2010 (AOC).

The Work Plan addressed the remediation of three areas at the Site: (i) the Fire Pond Lagoon and related petroleum hydrocarbons (PH); (ii) the cooling pond and adjacent areas impacted by PCBs and PH; and (iii) portions of the east log track area impacted by PH and PCBs. This remediation work is described in the *Draft Remedial Action Report – Bonner Mill Cooling Pond and Vicinity*, Envirocon, February 21, 2012. This work is referred to as the Phase I removal action. Phase 2 of the removal action expanded an on-site repository to receive additional low-level waste excavated during Phase 1.

The first addendum to the Work Plan (Addendum 1) was prepared to address the remediation of PCB soil contamination discovered during Phase 1 of the removal action (the "MW-13 area"). In addition to the MW-13 area, Addendum 1 addressed three other areas of the Site: (i) the MW-11 area, (ii) the MW-15 area, and (iii) the SB-3 area. The implementation of the Addendum 1 activities in these four areas is described in the *Remedial Action Report, Phase 3 – Bonner Mill Cooling Pond and Vicinity*, Envirocon September 12, 2014. Addendum 1 was intended to address the final phase of the removal action required to be performed by Stimson under the AOC.

Shortly after completion of the Addendum 1/Phase 3 work activities, the current owner of the Site, Western Montana Development, L.L.C., informed Stimson and DEQ that it had found a limited area of PCB soil contamination in the course of demolishing the Compressor Building. DEQ required Stimson to investigate the Compressor Building area under the AOC to determine if any residual PCB impacts required removal.

In June 2015, Stimson implemented the work described in Addendum 2 to the Final Cooling Pond Work Plan. The June 2015 results indicated that further delineation of PCBs impacts was necessary. This supplemental work plan describes the additional work to fully delineate PCBs impacts to soil in the vicinity of the former Compressor Building.

All drilling, field screening, and sampling methods not listed in this Addendum 2 will follow the Standard Operating Procedures and Sampling and Analysis Plan methods found in the Work Plan and Final Design Proposal and Addendum A. DEQ will be notified by e-mail 10 days in advance of all work that will be performed pursuant to this Supplemental Addendum 2 Work Plan.

1.1 Compressor Building Assessment

Five supplementary rotosonic borings (CB-10 through CB-14) will be completed to a minimum of 40 ft bgs at the areas shown on **Figure 1**. In each boring, rotosonic cores will be divided into 5-foot intervals and discrete soil samples will be collected from these intervals based on observed matrix characteristics. One sample from approximately every five feet will be collected and submitted for laboratory analysis until no impacts are documented, or until groundwater is encountered. If groundwater is encountered before the depth of 40 ft bgs is reached, one grab soil sample will be collected for analysis from the first two feet of soil immediately below the groundwater interface. The boring proposed for completion next to CB-1 is intended to determine impacts below 27 ft bgs, and samples from this boring (CB-14) will be collected at 30 ft bgs, 35 ft bgs, and 40 ft bgs. Laboratory analysis in borings CB-11, CB-12, and CB-13 will be performed in a phased fashion, with the upper five samples (5, 10, 15, 20, 25 ft bgs) analyzed first. If samples collected from these intervals do not contain PCBs above the cleanup level, further analysis of the deeper samples will not be performed. If the 25 ft sample in any of these borings exceeds the remediation goal of 0.74 ppm, the additional deeper samples from that boring will be analyzed.

1.2 Schedule

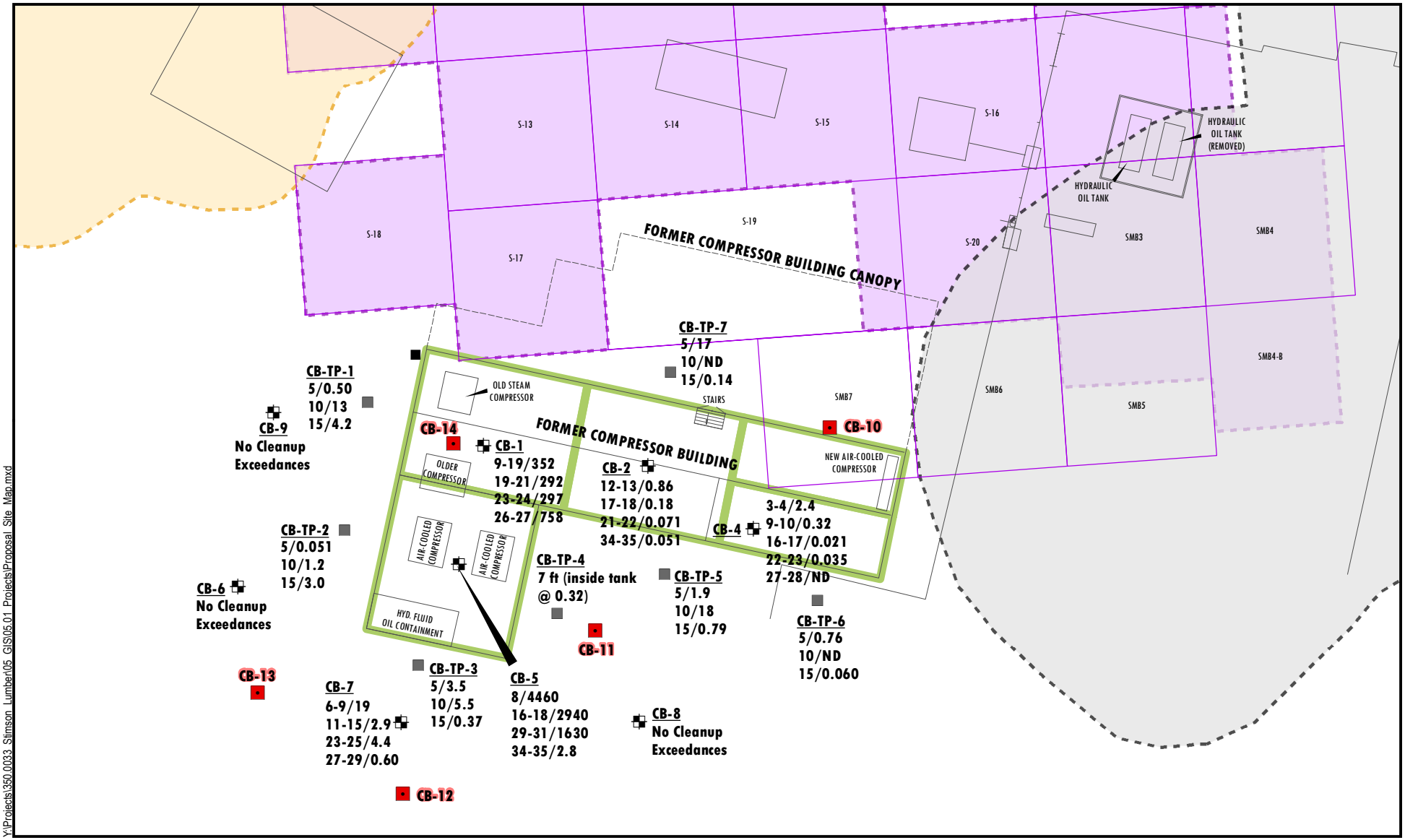
Project schedule and deliverables are shown in **Table 1**.

Table 1. Project Schedule of Deliverables

Task / Deliverable	Task Duration	Expected Completion Date[1]
Addendum 2 Work Plan - Supplemental	1 month	August 6, 2015
Rotosonic Drilling	2 days	August 18 - 19, 2015
Boring Location Survey	1 day	August 20, 2015
Sample Results Turnaround	2 weeks	September 7, 2015
Compressor Building Assessment Report	3 weeks	September 30, 2015

[1] Expected completion dates are estimates and actual dates will be determined by several factors including DEQ and EPA approvals of the work plan and subcontractor availability.

FIGURE



Y:\Projects\350.0033 Stimson Lumber\05 GIS\05.01 Projects\Proposal Site Map.mxd

0 Feet 30

NewFields

- MW-13 Area Excavation
- MW-15 Area Excavation Extent
- Fire Pond Lagoon Excavation
- Grid
- Boring Location
- Respec Sample Location
- Test Pit Location
- Proposed Supplemental Borings

Sample Depth (feet bgs)/Aroclor 1254 (ppm)
ND - Not Detected

Former Compressor Building
Supplementary Assessment
Former Stimson Bonner Millsite
Bonner, Montana
FIGURE 1

NewFields
Perspective. Vision. Solutions.

October 8, 2015

Keith Large
Montana Department of Environmental Quality
Remediation Division
1225 Cedar Street
Helena, Montana 59620

Subject: Compressor Building Assessment Report for the Stimson Cooling Pond Removal

Dear Mr. Large,

On behalf of the Stimson Lumber Company, NewFields submits this Compressor Building Assessment Report to progress remedial action work under the Administrative Order on Consent in Docket No. SF-10-0001, between Stimson, the Montana Department of Justice, and the Montana Department of Environmental Quality (DEQ), dated April 29, 2010 (AOC). This report addresses the area formerly known as the Steam Plant or Compressor Building at the former Stimson Lumber Mill in Bonner, Montana. If you have any questions about the enclosed report or require additional copies, please contact me at (406) 549-8270.

Sincerely,

Tyler Etzel
Senior Geologist

cc: Steven Petrin, Stimson Lumber Company
Brent Sasser, International Paper
Jeanette Schuster, Tonkin Torp
Al Brule, Envirocon
Michelle Hutchinson, MCCWQD

Compressor Building Assessment Report Addendum 2 to Final Cooling Pond Removal Work Plan

Compressor Building Investigation
Bonner Mill Cooling Pond and Vicinity
Bonner, Montana 59702

Submitted to:
Montana Department of Environmental Quality
1225 Cedar Street
Helena, Montana 59620

Prepared for:
Stimson Lumber Company
520 SW Yamhill, Suite 700
Portland, Oregon 97204-1330

Prepared by:
NewFields Companies, LLC
1120 Cedar Street
Missoula, Montana 59802

NewFields

October 2015
Project 350.0033.005

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LIST OF APPENDICES

EXECUTIVE SUMMARY

This report presents results of a site assessment conducted by NewFields Companies, LLC (NewFields) on behalf of Stimson Lumber Company (Stimson) to investigate and characterize soil potentially impacted by polychlorinated biphenyls (PCBs) at an area of the former Bonner Mill in Bonner, Montana (Site) (Figure 1) that was the location of a building historically referred to as the "steam plant" or the "compressor building" (Compressor Building) (Figure 2). The current owner of the Site, Western Montana Development, L.L.C., demolished the above-ground portions of the Compressor Building in 2014.

The work described in this report was conducted in compliance with the second addendum to the existing approved work plan, Final Cooling Pond Work Plan, Envirocon, January 29, 2010, that was prepared to implement remedial action work under the Administrative Order on Consent in Docket No. SF-10-0001 between Stimson and the Montana Department of Environmental Quality (DEQ) and the Montana Department of Justice, dated April 29, 2010 (AOC). The Addendum 2 to Final Cooling Pond Removal Work Plan (Work Plan) was prepared in accordance with DEQ's comments and submitted to DEQ on January 9, 2015.

The Compressor Building assessment was completed in three field events between May and August 2015. The first two field events included test pit excavations performed on May 27, 2015 and drilling rotosonic borings on June 4, 5 and 9, 2015. The initial results of these activities indicated that further characterization of PCB-impacted soil was necessary and, supplemental borings were completed on August 18 and 19, 2015.

The first task of the work plan included excavation of seven test pits. Nineteen soil samples were collected from the seven test pits, which were excavated to depths ranging from 7 to 15 feet below ground surface (ft bgs). Eleven of the 19 soil samples analyzed for PCBs exceeded 0.74 milligram per kilogram (mg/kg) total PCBs, which is the required cleanup level under the AOC. These test pit results indicated that rotosonic soil borings were required to fully delineate PCB impacts in soil vertically below 15 feet.

The second task of the Work Plan was implemented by drilling eight rotosonic borings in June 2015. Thirty-three soil samples were collected and submitted for PCBs analysis. Five borings (CB-1, CB-2, CB-4 CB-5, and CB-7) contained samples that exceeded 0.74 mg/kg total PCBs, and two of these borings (CB-1 and CB-5) exceeded the Toxic Substances Control Act (TSCA) waste cleanup level of 50 mg/kg total PCBs. Both CB-1 and CB-5 are located in an area of the former Compressor Building where compressor equipment was historically operated.

The sample results from Test Pits completed in May 2015 and rotosonic borings completed in June 2015 indicated that further assessment of PCB-impacted soil was necessary to fully characterize the vertical and horizontal extent of total PCBs in subsurface soil adjacent to the Compressor Building.

The August 2015 supplemental assessment work included drilling five rotosonic soil borings. Results showed that nine samples exceeded 0.74 mg/kg for total PCBs, with each soil boring (CB-10 through CB-

14) containing at least one sample that exceeds this level. One of the soil samples collected from CB-14 exceeds the TSCA waste cleanup level.

The soil sample data show that the highest concentrations of PCB-impacted soil are located beneath the western end of the Compressor Building (**Figure 2**). Many of the soil samples collected outside of the Compressor Building footprint exceed 0.74 mg/kg of total PCBs; however, none of the borings outside the former Compressor Building footprint contain PCB concentrations exceeding the TSCA waste cleanup level. The assessment generally delineated the areal extent of impacted soil associated with the former Compressor Building; although samples from borings CB-7, CB-11, and CB-12 suggest PCB-impacted soil extends a short distance to the south of the former Compressor Building.

NewFields estimates the total volume of PCB-impacted soil above 0.74 mg/kg for the former Compressor Building area is 2,565 cubic yards, with approximately 1,230 cubic yards of this total exceeding the TSCA waste disposal level.

1.0 INTRODUCTION

This document presents the results of a site assessment to delineate and characterize PCBs in soil under and around the Compressor Building Site (**Figure 1**). The work was performed according to the second addendum to the existing approved work plan, *Final Cooling Pond Work Plan*, Envirocon, January 29, 2010, that was prepared to implement remedial action work under the AOC between Stimson and the DEQ and the Montana Department of Justice, dated April 29, 2010. The Work Plan was prepared in accordance with DEQ's comments and submitted to DEQ on January 9, 2015.

The Work Plan addressed the remediation of three areas at the Site: (i) Fire Pond Lagoon and related petroleum hydrocarbons (PHCs); (ii) cooling pond and adjacent areas impacted by PCBs and PHCs; and (iii) portions of the east log track area impacted by PHCs and PCBs. This remediation work is described in the *Draft Remedial Action Report – Bonner Mill Cooling Pond and Vicinity*, February 21, 2012 (Envirocon, 2012). This work is referred to as the Phase I removal action. Phase 2 of the removal action expanded an on-site repository to receive additional low-level waste excavated during Phase 1.

The first addendum to the Work Plan (Addendum 1) was prepared to address the remediation of PCB soil contamination discovered during Phase 1 of the removal action (MW-13 area). In addition to the MW-13 area, Addendum 1 also addressed three other areas of the Site: (i) MW-11 area; (ii) MW-15 area; and (iii) SB-3 area. Implementation of the Addendum 1 activities in these four areas is described in the *Remedial Action Report, Phase 3 – Bonner Mill Cooling Pond and Vicinity*, September 12, 2014 (Envirocon, 2014). Addendum 1 was intended to address the final phase of the removal action required to be performed by Stimson under the AOC.

Shortly after completion of the Addendum 1/Phase 3 work activities, the current owner of the Site, Western Montana Development, LLC (WMD), informed Stimson and DEQ that it had found a limited area of PCB-impacted soil during demolition of the Compressor Building. The sampling performed by WMD in May 2014 indicated that PCB-impacted soil was present adjacent to the northwest corner of the Compressor Building (see **Figure 2**, Respec sample location). Stimson began discussions with DEQ on August 25, 2014 related to the investigation of the Compressor Building area. On behalf of Stimson Lumber, NewFields submitted a sampling work plan to DEQ, *Addendum 2 to Final Cooling Pond Removal Work Plan, Sampling Work Plan for Compressor Building Investigation*, NewFields, March 31, 2015 (NewFields, 2015a), to assess PCB soil impacts in the Compressor Building area and a supplemental sampling work plan, *Addendum 2 to Final Cooling Pond Removal Work Plan - Supplemental, Sampling Work Plan for Compressor Building Investigation*, NewFields, August 6, 2015 (NewFields, 2015b).

2.0 PROJECT DESCRIPTION

The Site is a closed sawmill and plywood manufacturing facility located in Bonner, Montana (**Figure 1**). The Compressor Building formerly occupied the northeastern portion of the Site. The former footprint of the building is shown on **Figure 2**. The Compressor Building was originally constructed prior to 1912 and remodeled several times between approximately 1920 and 1970.

Previous remedial soil excavation actions (Fire Pond Lagoon area, MW-13 area, and MW-15 area) were performed at neighboring locations to the Compressor Building (**Figure 2**). Each of these excavations exhibited soil sample results below 0.74 mg/kg total PCBs proximate to the former Compressor Building. Because of these results, the previous remedial excavation areas did not extend closer to the Compressor Building area.

2.1 PROJECT OBJECTIVES

The objective of the Compressor Building assessment was to evaluate potential PCB impacts by collection of subsurface fill and soil material samples from beneath and adjacent to the footprint of the building; and analyze the samples for total PCBs. Results of laboratory analysis for total PCBs were compared to the cleanup level of 0.74 milligram per kilogram (mg/kg) and the Toxic Substances Control Act (TSCA) waste cleanup level of 50 mg/kg.

2.2 SITE SETTING

2.2.1 Location and Topography

The Compressor Building area is located at the Site in the Blackfoot River valley at an approximate elevation of 3,240 feet above mean sea level (ft amsl) in Missoula County, Montana (**Figure 1**). The investigation area is 200 feet south of the Blackfoot River. The approximate center of the former Compressor Building is located at latitude 46.8754 and longitude -113.86793.

2.2.2 Hydrology/Hydrogeology

The mountains surrounding the lower Blackfoot River valley represent the northern boundary of the Sapphire block which is primarily composed of Precambrian-aged Belt Supergroup metasedimentary rocks. Nearby faults include the Clark Fork Fault, which is coincident with the Clark Fork River Valley; and the Blackfoot Thrust Fault, which is coincident with the Lower Blackfoot River Valley. Quaternary-aged alluvium in these valleys lies on top of the bedrock and generally consists of inter-bedded sand, gravel, and boulders with clay. The shallow alluvial aquifer system is unconfined and is hydraulically connected to the regional Missoula Aquifer system located to the west. The alluvial aquifer thickness below the former Site is estimated to be approximately 100 feet, with the bedrock surface ranging from 120 to 150 feet below ground surface (ft bgs) from east to west. Groundwater recharge is primarily from underflow through the Blackfoot River valley with smaller recharge volumes leaking from the Blackfoot River. Minor recharge likely comes from direct precipitation and groundwater flow from the upgradient bedrock located north of the Site (Weston, 2008).

Groundwater level measurements have been conducted routinely at monitoring wells located near the former Compressor Building since July 2012. Seasonal high groundwater levels occur in June, followed by a gradual decline into the winter months, with a gradual increase beginning in March/April. Groundwater depths near the Compressor Building area range from approximately 30 to 50 ft bgs. Groundwater flows to the south immediately adjacent to the Blackfoot River (River), which suggests a losing stretch of the River in the vicinity of the Compressor Building. Farther south from the River, groundwater flow generally parallels the flow of the River.

3.0 SITE ASSESSMENT

The *Addendum 2 to Final Cooling Pond Removal Work Plan - Sampling Work Plan for Compressor Building Investigation*, March 2015 (NewFields, 2015a), describes the study boundaries, sampling plan and protocols, and field sampling procedures used during May and June 2015 assessment activities. The supplemental Sampling Work Plan, *Addendum 2 to Final Cooling Pond Removal Work Plan – Supplemental*, August 2015 (NewFields 2015b), describes the study boundaries, sampling plan and protocols, and field sampling procedures used during August 2015 assessment activities. All drilling, field screening, and sampling methods not listed in the Addendum 2 Work Plans followed the previously approved Standard Operating Procedures (SOPs) found in the Sampling and Analysis Plan (SAP) for the Cooling Pond, Fire Pond Lagoon and East Log Track Areas (Envirocon & PBS&J, 2009).

3.1 SAMPLING WORK PLAN AND FIELD ACTIVITIES

Field activities were conducted in general accordance with the Sampling Work Plans and SAP. The assessment work was completed in three field events between May and August 2015. The first two field events included test pit excavations performed in late-May 2015 and drilling of rotosonic borings in early-June 2015. The initial results indicated that further characterization of PCB impacts in soil was necessary to more fully delineate PCBs in the Compressor Building area, and therefore, a supplemental assessment was completed in August 2015. A summary of field activities and sampling, including any deviations from the Work Plans, are detailed below.

3.2 SITE SURVEYS

Envirocon performed a survey of the assessment area using established survey control points in preparation for the Compressor Building assessment activities. Prior to the May/June 2015 assessment activities, test pit and rotosonic boring locations were established to assure that investigation locations corresponded to the former Compressor Building footprint. During the May/June 2015 assessment activities, the prearranged test pit and rotosonic boring locations encountered refusal due to large amounts of subsurface concrete and steel. Many proposed exploration locations had to be moved due to the subsurface obstructions. The revised exploration locations were re-surveyed following the June 2015 field work, and the supplemental investigation locations were surveyed following the August 2015 field work.

3.3 TEST PITS

On May 27, 2015, Envirocon and NewFields excavated seven test pits for subsurface sample collection (CB-TP-1 through CB-TP-7; **Figure 3**). The seven test pits were excavated to 15 ft bgs, with two exceptions. Test Pit CB-TP-4 (TP-4) was terminated at 7 ft bgs when the bottom of a metal tank was encountered (see photographs in **Appendix A**). The metal tank contained what appeared to be boiler ash. Because the contents of the tank were unknown, TP-4 was terminated at the bottom of the tank and a sample of ash material was collected from inside the tank area. Test Pit TP-7 was terminated at 13 ft bgs due to a large concrete structure that the excavator was not able to remove. For the remaining test pits, samples were collected from 5 foot vertical intervals (5, 10, and 15 ft bgs).

Test pit soil samples were manually collected from the leading edge of the backhoe bucket, ensuring that the collected sample volume was not in direct contact with the backhoe bucket. A total of 19 soil samples were collected from the seven test pits and submitted for laboratory analysis of PCBs using United States Environmental Protection Agency (EPA) Method 8082. EPA Method 8082 analyzes for the nine most common commercial mixtures of PCBs historically sold in the United States: Aroclor 1016, Aroclor 1221, Aroclor 1232, Aroclor 1242, Aroclor 1248, Aroclor 1254, Aroclor 1260, Aroclor 1262, and Aroclor 1268.

In addition to PCB sample collection, PetroFlag® (Petroflag) immunoassay field screening was used to confirm whether PHC impacts were evident at the bottom of each test pit. When Petroflag screening indicated minimal or no PHC impacts to soil at the depth of 15 ft bgs, the test pit was terminated and a confirmation sample was collected from the base of the test pit. During the test pit excavations, all material removed from each test pit was temporarily piled next to the test pit on plastic sheeting. At the completion of each test pit, the material was immediately placed back into the test pit in the reverse order in which it was removed. Test pit field notes include sample information, sample descriptions, Petroflag results, and field observations (**Appendix B**). A brief description of observations from each of the seven test pits is included below. Locations of the test pits are shown on **Figure 3**.

3.3.1 Test Pit TP-1

CB-TP-1 (TP-1) was excavated to a depth of 15 ft bgs adjacent the northwestern corner of the former Compressor Building, nearest the sample collected by WMD in May 2014. Material encountered within the test pit appeared to be all fill material, consisting of gravel fill, pipes, and large blocks of concrete. PHC staining was observed from approximately 7 to 12 ft bgs along the southern edge of the pit (**Appendix A**, photographs #1 & #2).

3.3.2 Test Pit TP-2

TP-2 was excavated to a depth of 15 ft bgs near the west-central side of the former Compressor Building. This test pit was excavated between two concrete foundations. The concrete on the west wall extended from near ground surface to 6 ft bgs, while the concrete on the east wall extended to approximately 12 ft bgs. Material encountered between these concrete structures consisted of gravel fill material with numerous pipes and remnants from the building demolition, including wood debris and dark organics.

3.3.3 Test Pit TP-3

TP-3 was excavated to a depth of 15 ft bgs south of the southwest portion of the former Compressor Building. Material encountered within this test pit appeared to be entirely fill material, consisting of gravel fill, wood beams and wood waste material, pipes, electrical conduit, and numerous large blocks of concrete. A concrete chamber was encountered from approximately 2 to 12 ft bgs, and the test pit was advanced adjacent to the north side of this structure. Staining was observed from approximately 2 to 10 ft bgs within the pit, with no staining or odor in the gravel fill material from 10 to 15 ft bgs (**Appendix A**, photographs #3 & #4).

3.3.4 Test Pit TP-4

TP-4 was excavated to a depth of 7 ft bgs on the east side of the southwest portion of the former Compressor Building. Material encountered within this test pit included light brown soil and gravel fill material from ground surface to 2 ft bgs. Dark blue-black material presumed to be boiler ash was encountered at 2 ft bgs. As the excavation progressed below 2 feet bgs, it became apparent that the test pit was located inside of a buried tank with no lid or cover present. The test pit reached the flat bottom of the tank at approximately 7 ft bgs. The TP-4 excavation was halted, and subsequently backfilled after a sample of boiler ash was collected from the bottom of the tank (**Appendix A**, photographs #6 & #7).

3.3.5 Test Pit TP-5

TP-5 was excavated to a depth of 15 ft bgs south of the central portion of the former Compressor Building. The test pit uncovered a large concrete block from 0.5 to 3 ft bgs. The concrete block was removed prior to advancing the test pit past 3 ft bgs. From approximately 3.5 to 10 ft bgs, several pipes were encountered along with black stained soil/gravel fill material. Reddish-brown gravel fill material with numerous concrete blocks was encountered from 10 to 15 ft bgs.

3.3.6 Test Pit TP-6

TP-6 was excavated to a depth of 15 ft bgs adjacent the southeastern corner of the former Compressor Building. Loamy, dark colored soil containing broken brick, concrete, and other building demolition debris was observed within the test pit from ground surface to 5 ft bgs. Cobbles, boulders, and concrete with gravel fill material were primarily encountered below 5 ft bgs.

3.3.7 Test Pit TP-7

TP-7 was excavated to a depth of 13 ft bgs north of the central portion of the former Compressor Building, proximate to the former stairs and doorway along the north side of the building. This test pit encountered substantial amounts of concrete, brick debris, and pipe, with minor amounts of gravel fill material from ground surface to 13 ft bgs. This test pit was terminated at 13 ft bgs due to a large concrete structure that the excavator was unable to move (**Appendix A**, photograph #9).

3.4 Rotosonic Soil Borings – June 2015

On June 4, 5, and 8, 2015, Environmental West Exploration, Inc. drilled eight rotosonic borings in the former Compressor Building area. Four borings were completed within the footprint of the building (CB-1, CB-2, CB-4 and CB-5), and four borings were completed outside the building footprint (CB-6, CB-7, CB-8 and CB-9) and beyond the extent of the test pits (**Figure 3**). The additional borings placed outside the test pit assessment area were completed to delineate the horizontal and vertical extent of impacted soil identified during the May 2015 test pit assessment work. The June 2015 soil boring logs are included in **Appendix C**.

Thirty-three soil samples were collected from the eight borings and submitted for PCB analysis (EPA Method 8082) to delineate the extent of impacted soil in the former Compressor Building area. The soil cores from each boring were divided into intervals based on observed matrix characteristics, and

discrete samples were collected from the intervals that displayed PHC impacts. If no PHC impacts were observed, a representative sample from each interval was submitted for PCB analysis. In many instances, sample core recovery was not adequate to accurately characterize each 5-foot interval as described in the Work Plan. Also, concrete cores were not collected from the foundation of the Compressor Building as discussed in the Work Plan, because distinguishing between foundation concrete and the large amount of subsurface concrete encountered during drilling made this task difficult to achieve.

The soil borings were advanced to depths ranging from 28 to 39 ft bgs; with variations dependent on observed soil types, PHC impacts, and drilling refusal. Six of the eight borings did not reach the planned depth of 35 ft bgs due to drilling refusal. Several borings were attempted within the footprint of the former Compressor Building, but were not completed due to drilling refusal at depths ranging from 4.5 to 13 ft bgs.

Select samples were field-screened using Petroflag immunoassay test kits. A total of 43 discrete intervals from the soil borings were analyzed in the field using Petroflag. The Petroflag field screening was used to identify elevated PHC-impacted sample intervals from each boring for selection of samples submitted to the laboratory for analysis of PCBs.

3.5 Rotosonic Soil Borings – August 2015

On August 18 and 19, 2015, Environmental West Exploration, Inc. drilled five supplementary rotosonic borings at the former Compressor Building area. Four borings (CB-10, CB-11, CB-12 and CB-13) were completed laterally outside the June 2015 boring locations, and one boring (CB-14) was completed to further define PCB impacts to soil within the footprint of the building (**Figure 3**). The supplementary borings were each completed to 40 ft bgs. In each boring, one sample from approximately each 5-foot interval was collected and submitted for laboratory analysis of PCBs. Boring CB-14 was drilled adjacent to boring CB-1 to determine impacts below 27 ft bgs. Initial attempts to drill CB-14 immediately adjacent CB-1 encountered refusal and the location of CB-14 had to be moved farther from CB-1 than was planned. The August 2015 soil boring logs are included in **Appendix D**.

A total of 26 soil samples were collected from the five supplemental borings and submitted for analysis of PCBs (EPA Method 8082). No soil samples in the August 2015 supplemental assessment were field-screened using Petroflag immunoassay test kits because each sample collected was submitted for laboratory analysis. Laboratory analysis of samples from CB-10, CB-11, CB-12, and CB-13 was performed in phases, with the upper five samples analyzed first. If samples collected from the 20 to 25 ft bgs interval contained PCBs above 0.74 mg/kg total PCBs, the deeper samples were also analyzed for PCBs. The bottom sample from CB-11 (23 to 24 ft bgs) exceeded 0.74 mg/kg total PCBs; therefore, the additional deeper samples from that boring were analyzed. No other soil samples collected deeper than 25 ft bgs were analyzed for PCBs.

3.6 Analytical Results

3.6.1 Test Pit Results

The test pit sample results included analysis of 19 samples from seven test pits for PCBs (**Figure 3**). Eleven of the 19 soil samples analyzed exceed 0.74 mg/kg total PCBs; however, none of the test pit samples exceed the TSCA waste cleanup level of 50 mg/kg total PCBs. Only Aroclor 1254 was detected in the total PCBs analysis. The test pit results showed that additional borings were required to delineate PCB impacts in soil outside the footprint of the former Compressor Building. Tabulated sample results for the test pit samples are in **Table 1**, and laboratory analytical results are in **Appendix E**.

3.6.2 Rotosonic Soil Boring Results – June 2015

The June 2015 rotosonic soil boring sample results included analysis of 33 samples collected from eight borings (**Figure 3**). Thirteen of the 33 soil samples exceed 0.74 mg/kg total PCBs. As in the test pit results, only Aroclor 1254 was detected in the total PCBs analysis. Seven of the 13 samples that exceed the 0.74 mg/kg cleanup level also exceed the TSCA waste cleanup level of 50 mg/kg total PCBs. Five borings (CB-1, CB-2, CB-4, CB-5, and CB-7) had exceedances of 0.74 mg/. Two of these borings (CB-1 and CB-5) also show exceedances of the TSCA waste cleanup level. Tabulated sample results from the June 2015 soil borings are in **Table 2**, and laboratory analytical results are in **Appendix F**.

3.6.3 Rotosonic Soil Boring Results – August 2015

The August 2015 rotosonic soil borings were completed to further delineate impacts identified in the June 2015 soil boring assessment activities. Twenty-six soil samples were collected from the five supplemental borings and submitted for analysis of PCBs (**Figure 3**).

Results show nine of the 26 soil samples exceed 0.74 mg/kg total PCBs, with each soil boring containing at least one sample that exceeds this level. The sample collected at 23 to 24 ft bgs in CB-11 (CB-11-5) detected total PCBs at 1.2 mg/kg, and per the Sampling Work Plan, all three samples beneath this sample interval were subsequently submitted for laboratory analysis. Sample (CB-11-6) collected at 28 to 29 ft bgs showed an Aroclor 1254 concentration at 1.3 mg/kg. Samples in CB-11 collected from 33 to 34 ft bgs and 39 to 40 ft bgs were below 0.74 mg/kg total PCBs.

CB-14 was drilled adjacent to CB-1 to delineate PCB impacts deeper than 27 ft bgs. Each of the three samples collected in CB-14 detected concentrations above 0.74 mg/kg. Sample CB-14-1, collected from a depth of 28 to 29 ft bgs, detected PCBs at 470 mg/kg. The bottom two samples collected from CB-14 at 32 to 33 ft bgs and 39 to 40 ft bgs both exceed 0.74 mg/kg total PCBs. Tabulated sample results from the August 2015 soil borings are in **Table 3**, and laboratory analytical results are in **Appendix G**.

4.0 CONCLUSIONS

The objective of this assessment was to collect sufficient data to assess the presence and distribution of PCB-impacted soil in the vicinity of the former Compressor Building. The analytical data will be used to estimate the quantity of impacted soil associated with the former Compressor Building area for future remedial actions.

Sample results indicate that the highest concentrations of PCB-impacted soil are located beneath the western end of the former Compressor Building (**Figures 2 and 3**). All soil samples that exceed the TSCA waste cleanup level were collected in this area of the former building. Borings located in this area include CB-1, CB-5, and CB-14. PCB impacts in soil above the TSCA waste disposal level of 50 mg/kg extend from approximately 8 to 30 ft bgs in the western portion of the former building. No samples collected from outside the footprint of the former building exceed the TSCA waste disposal level; however, samples outside the former building area exceed 0.74 mg/kg total PCBs. The majority of samples exceeding 0.74 mg/kg are within 15 feet of ground surface, with the exception of CB-7 and CB-11 which exceed this level from 25 to 29 ft bgs, respectively.

The assessment delineated the areal extent of PCB-impacted soil to the north, west, south, and southwest of the former building. Delineation to the east of the building was not necessary because the prior MW-15 remedial excavation had already been completed in that area. Boring CB-12 shows impacted soil above 0.74 mg/kg from 8 to 13 ft bgs south of the building; however, based on the presence of impacts detected in CB-7 (from 6 to 25 ft bgs), which is located immediately north of CB-12, the aerial extent of impacted soils appears to quickly diminish as distance from the presumed source area increases.

Figure 4 shows the approximate areal extent of PCB-impacted soil characterized in this investigation. NewFields estimates the total volume of PCB-impacted soil (exceeding 0.74 mg/kg) for the former Compressor Building area is 2,565 cubic yards, with approximately 1,230 cubic yards of this total exceeding the TSCA waste disposal level.

5.0 LIMITATIONS

This assessment has been conducted in a professional manner in accordance with generally accepted practices, using the degree of skill and care ordinarily exercised by environmental consultants under similar circumstances. No other warranties, expressed or implied, are made. Opinions and conclusions presented in this report are based on the site conditions at the time of the work and for the laws in effect at that time. We are not responsible for any changes in environmental standards, practices, or regulations subsequent to performance of services. This report is not meant to represent a legal opinion. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this report. This report was prepared by:

NewFields Companies, LLC

Tyler Etzel
Senior Geologist

Doug Rogness
Principal Scientist

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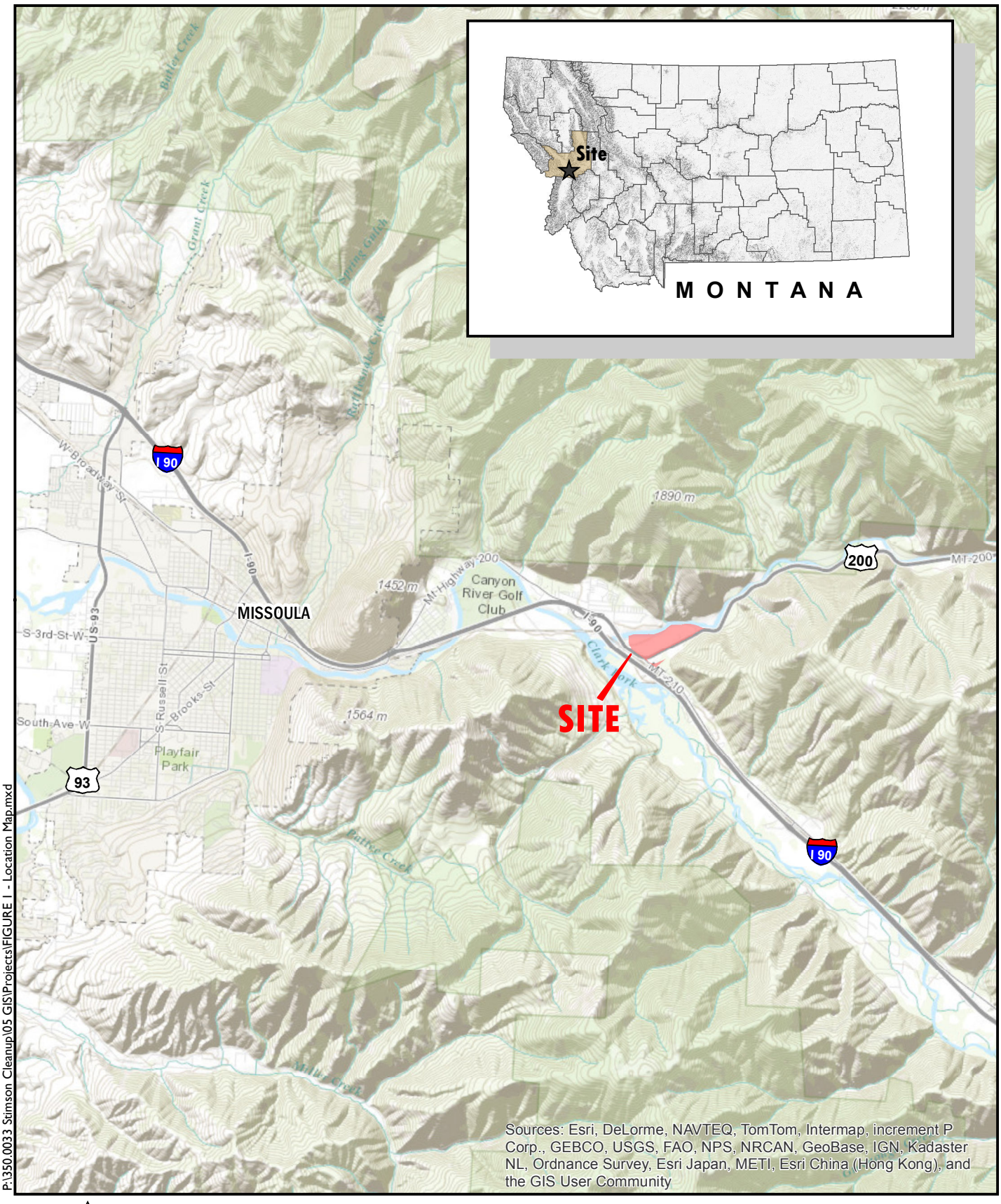
FIGURES

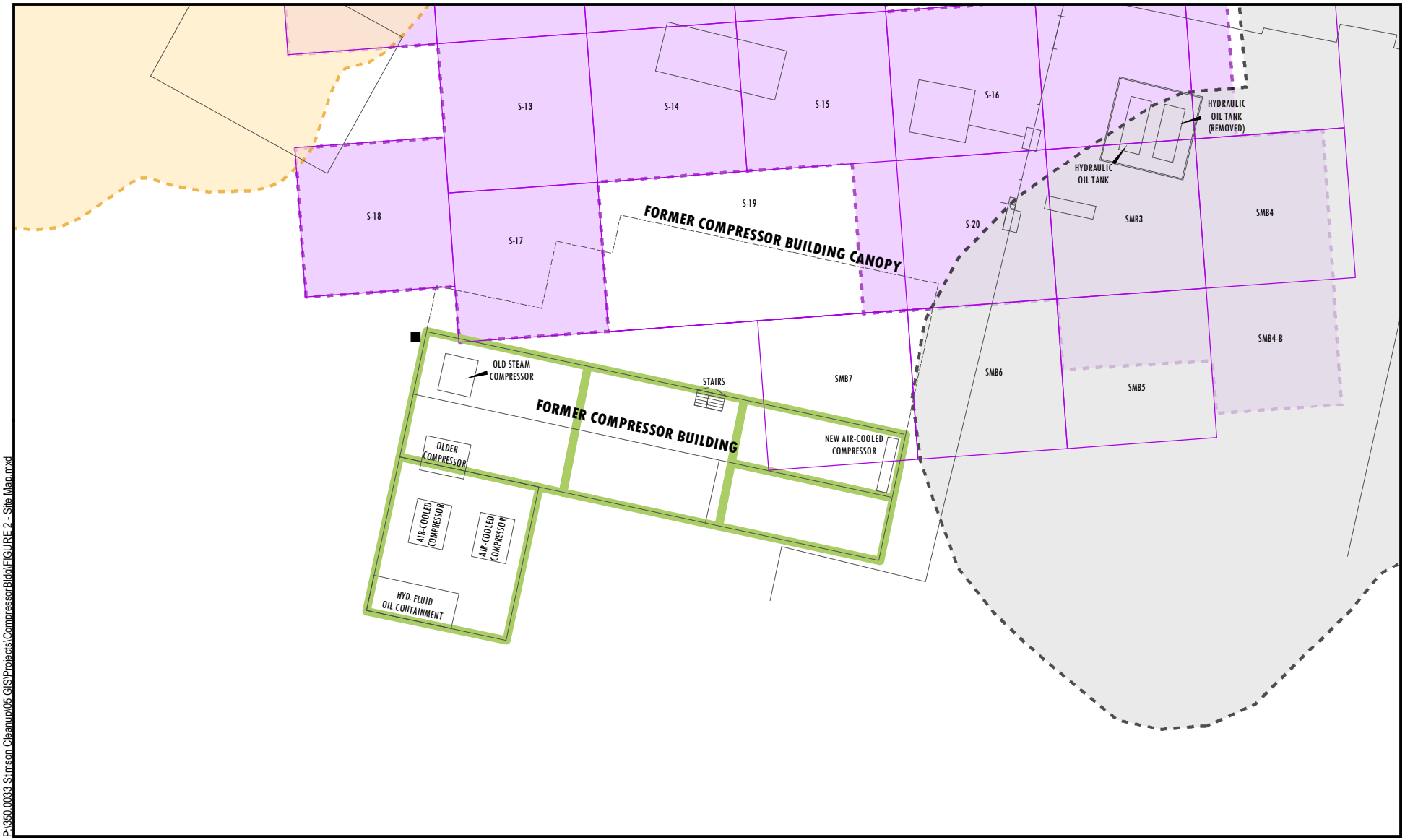


P:\350.0033 Stimson Cleanup\05 GIS\Projects\FIGURE 1 - Location Map.mxd

0 Feet 10,000

NewFields

Location Map
Former Stimson Bonner Millsite
Bonner, Montana
FIGURE 1



N

0 Feet 30

Respec Sample Location

Grid

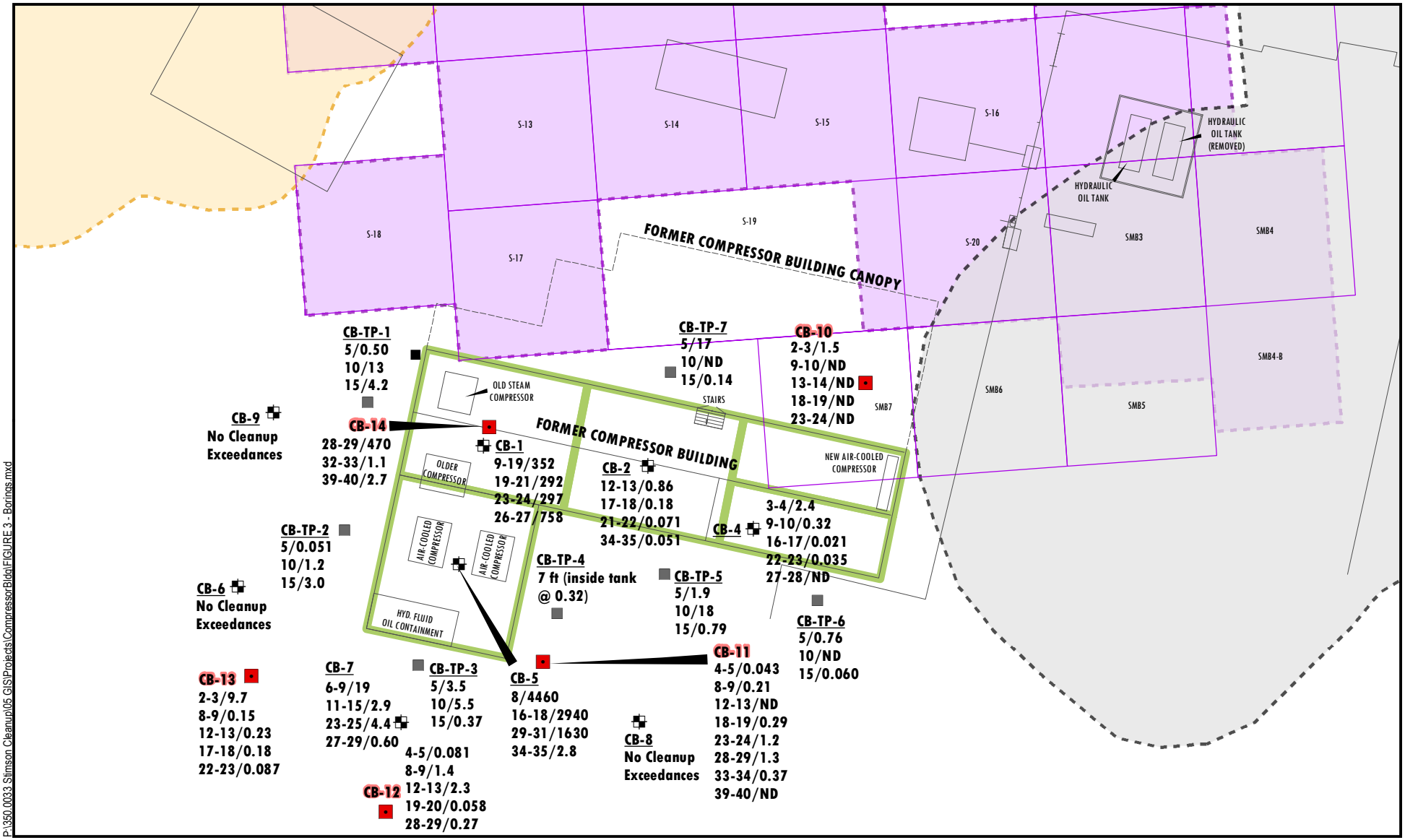
MW-13 Area Excavation

MW-15 Area Excavation Extent

Fire Pond Lagoon Excavation

NewFields

Site Map
Compressor Building Assessment Report
Former Stimson Bonner Millsite
Bonner, Montana
FIGURE 2



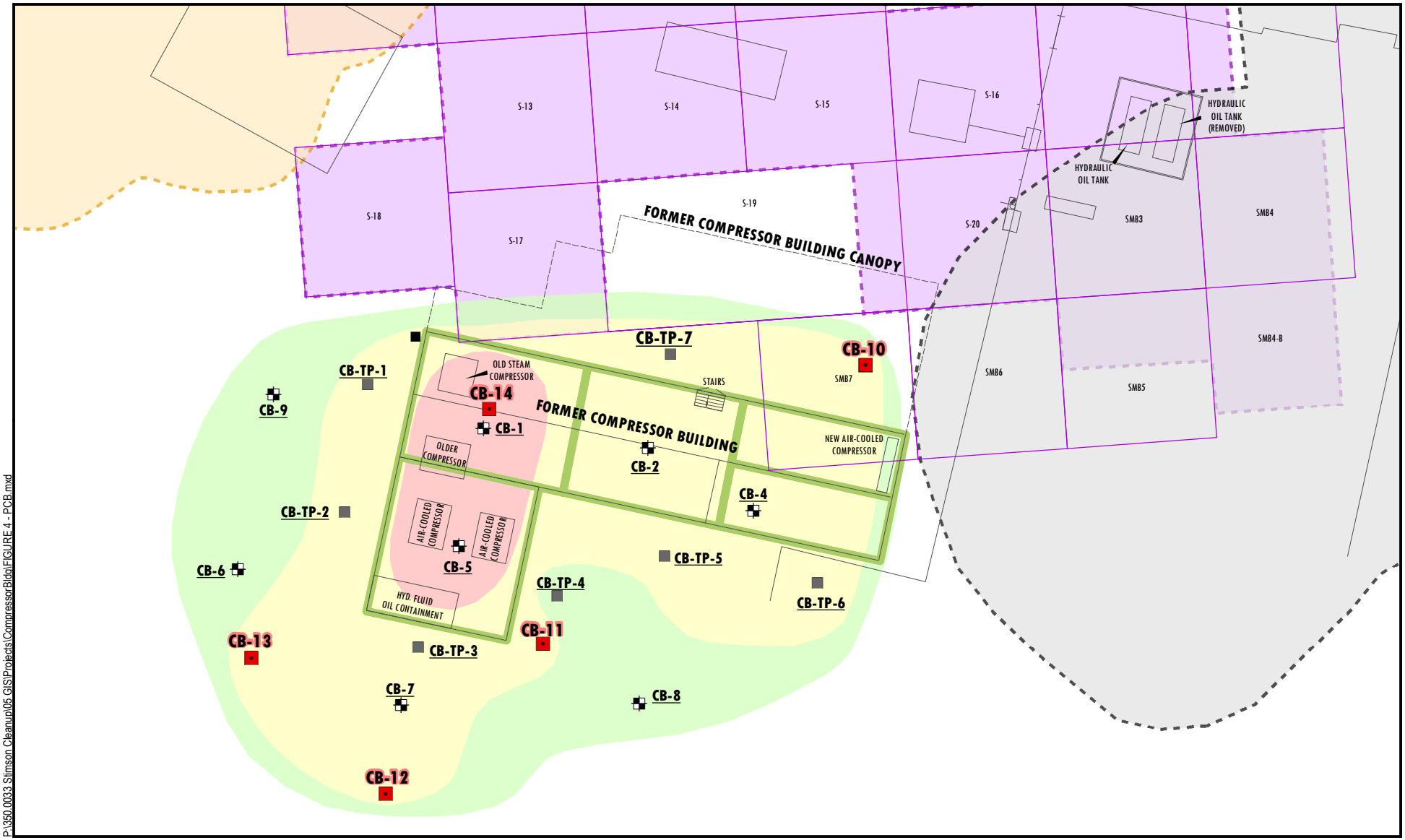
0 Feet 30

NewFields

- MW-13 Area Excavation
- MW-15 Area Excavation Extent
- Fire Pond Lagoon Excavation
- Grid
- Boring Location
- Respec Sample Location
- Test Pit Location
- Supplemental Boring Location

Sample Depth (feet bgs)/Aroclor 1254 (ppm)
ND - Not Detected

Site Assessment Results
Compressor Building Assessment Report
Former Stimson Bonner Millsite
Bonner, Montana
FIGURE 3



P:\350.0033 Stimson Cleanup\05 GIS\Projects\CompressorBldg\FIGURE 4 - PCB.mxd

N

0 Feet 30

NewFields

- Respec Sample Location
- Boring Location
- Supplemental Boring Location
- Test Pit Location
- Grid
- MW-13 Area Excavation
- MW-15 Area Excavation Extent
- Fire Pond Lagoon Excavation

PCBs (ppm)

- > 50
- 0.74 - 50
- <0.74

Approximate Aerial Extent - PCBs
Compressor Building Assessment Report
Former Stimson Bonner Millsite
Bonner, Montana
FIGURE 4

TABLES

Table 1 - Test Pit Sample Data

Test Pit ID#	Date	Sample ID	Sample Depth [ft bgs]	PetroFlag Screening [ppm]	Aroclor 1254[1] mg/kg (ppm)
TP-1	5/27/2015	TP1-1	5	ns	0.50
		TP1-2	10	ns	**13**
		TP1-3	15	110	**4.2**
TP-2	5/27/2015	TP2-1	5	ns	0.051
		TP2-2	10	ns	**1.2**
		TP2-3	15	154	**3.0**
TP-3	5/27/2015	TP3-1	5	60	**3.5**
		TP3-2	10	ns	**5.5**
		TP3-3	15	63	0.37
TP-4	5/27/2015	TP4-inside tank	7	ns	0.32
TP-5	5/27/2015	TP5-1	5	ns	**1.9**
		TP5-2	10	ns	**18**
		TP5-3	15	214	**0.79**
TP-6	5/27/2015	TP6-1	5	ns	**0.76**
		TP6-2	10	ns	ND
		TP6-3	15	40	0.060
TP-7	5/27/2015	TP7-1	5	ns	**17**
		TP7-2	10	ns	ND
		TP7-3	13	25	0.14

Notes: ns indicates no PetroFlag screen was completed on the sample

[1] no other aroclors were detected in total PCBs analysis

>50 ppm (TSCA waste cleanup disposal level)

>0.74 ppm and <50 ppm (AOC cleanup level)

Table 2 - June 2015 Rotosonic Boring Data

Boring ID#	Date	Sample ID	Sonic Interval [ft bgs]	Sample Interval [ft bgs]	PetroFlag Screening [ppm]	Aroclor 1254[1] mg/kg (ppm)
CB-1 (CB-1B)	6/4/2015	CB1B-1	9-19'	9-19'	ns	**352**
		CB1B-2		19'	>2,000	----
		CB1B-3	19-29'	19-21'	1,226	**294**
		CB1B-4		23-24'	>4,000	**297**
		CB1B-5		26-27'	>2,000	**758**
CB-2 (CB-2B)	6/9/2015	CB2B-1	8-18'	12-13'	917	**0.86**
		CB2B-2		15-16'	920	----
		CB2B-3		17-18'	925	0.18
		CB2B-4	18-28'	21-22'	941	0.071
		CB2B-5		27-28'	945	----
		CB2B-6	28-38'	34-35'	957	0.051
CB-4	6/9/2014	CB4-1	0-8'	3-4'	1,125	**2.4**
		CB4-2		4.5-6'	1,128	----
		CB4-3	8-18'	9-10'	1,145	0.32
		CB4-4		16-17'	1,150	0.021
		CB4-5	18-28'	22-23'	>2,000	0.035
		CB4-6		27-28'	101	ND
CB-5	6/4/2015	CB5-1	0-8'	1.5-2'	1,417	----
		CB5-2		4.5-5'	1,044	----
		CB5-3	8-9'	8	1,118	**4,460**
		CB5-5	9-19'	16-18'	1,518	**2,940**
		CB5-6	19-29'	21-22'	1,545	----
		CB5-7		27-28'	1,305	----
		CB5-8	29-39'	29-31'	2,668	**1,630**
		CB5-9		34-35'	63	**2.8**
CB-6	6/5/2015	CB6-1	0-9'	6-8'	299	0.62
		CB6-2	9-19'	13-14'	35	0.085
		CB6-3	19-29'	22-23'	98	0.55
		CB6-4		26-27'	42	----
		CB6-5		29-29'	41	0.69
CB-7	6/5/2015	CB7-1	0-9'	6-9'	175	**19**
		CB7-2	9-19'	11-15'	63	**2.9**
		CB7-3	19-29'	23-25'	54	**4.4**
		CB7-4		27-29'	30	0.60
CB-8	6/5/2015	CB8-1	0-8.5'	2.5-3.5'	69	0.44
		CB8-2		7.5-8.3'	26	0.030
		CB8-3	8.5-18.5'	15-18.5'	28	0.12
		CB8-4	18.5-28.5'	25-28.5'	81	0.17

Table 2 - June 2015 Rotosonic Boring Data

Boring ID#	Date	Sample ID	Sonic Interval [ft bgs]	Sample Interval [ft bgs]	PetroFlag Screening [ppm]	Aroclor 1254[1] mg/kg (ppm)
CB-9	6/9/2015	CB9-1	0-8'	5-6'	142	----
		CB9-2		7.5-8'	58	----
		CB9-3	8-18'	9-10'	101	ND
		CB9-4		16-17'	63	ND
		CB9-5	18-28'	19-20'	89	0.12
		CB9-6		27-28'	131	ND

Notes: ns indicates no PetroFlag screen was not completed on the sample

[1] no other aroclors were detected in total PCBs analysis

ND indicates that arochor 1254 was not detected above the laboratory reporting limit

---- indicates no analysis was performed on the indicated soil interval

>50 ppm (TSCA waste cleanup disposal level)

>0.74 ppm and <50 ppm (AOC cleanup level)

Table 3 - August 2015 Rotosonic Boring Data

Boring ID#	Date	Sample ID	Sonic Interval [ft bgs]	Sample Interval [ft bgs]	PetroFlag Screening [ppm]	Aroclor 1254[1] mg/kg (ppm)
CB-10	8/18/2015	CB-10-1	0-7'	2-3'	ns	**1.5**
		CB-10-2	7-13'	9-10'	ns	ND
		CB-10-3	13-17'	13-14'	ns	ND
		CB-10-4	17-27'	18-19'	ns	ND
		CB-10-5		23-24'	ns	ND
		CB-10-6	27-37'	29-30'	ns	----
		CB-10-7		33-34'	ns	----
		CB-10-8	37-40'	38-39'	ns	----
CB-11	8/18/2015	CB-11-1	0-7'	4-5'	ns	0.043
		CB-11-2	7-17'	8-9'	ns	0.21
		CB-11-3		12-13'	ns	ND
		CB-11-4	17-27'	18-19'	ns	0.29
		CB-11-5		23-24'	ns	**1.2**
		CB-11-6	27-37'	28-29'	ns	**1.3**
		CB-11-7		33-34'	ns	0.37
		CB-11-8	37-40'	39-40'	ns	ND
CB-12	8/18/2015	CB-12-1	0-7'	4-5'	ns	0.081
		CB-12-2	7-17'	8-9'	ns	**1.4**
		CB-12-3		12-13'	ns	**2.3**
		CB-12-4	17-27'	19-20'	ns	0.058
		CB-12-5	27-37'	28-29'	ns	0.27
		CB-12-6		32-33'	ns	----
		CB-12-7	37-40'	39-40'	ns	----
CB-13	8/18/2015	CB-13-1	0-7'	2-3'	ns	**9.7**
		CB-13-2	7-17'	8-9'	ns	0.15
		CB-13-3		12-13'	ns	0.23
		CB-13-4	17-27'	17-18'	ns	0.18
		CB-13-5		22-23'	ns	0.087
		CB-13-6	27-37'	28-29'	ns	----
		CB-13-7		32-33'	ns	----
		CB-13-8	37-40'	38-39'	ns	----
CB-14	8/19/15	CB-14-1	27-37'	28-29'	ns	**470**
		CB-14-2		32-33'	ns	**1.1**
		CB-14-3	37-40'	39-40'	ns	**2.7**

Notes: ns indicates no PetroFlag screen was not completed on the sample

[1] no other aroclors were detected in total PCBs analysis

ND indicates that arochor 1254 was not detected above the laboratory reporting limit

---- indicates no analysis was performed on the indicated soil interval

>50 ppm (TSCA waste cleanup disposal level)

>0.74 ppm and <50 ppm (AOC cleanup level)

APPENDIX A
Site Assessment Photographs

Photo 1. TP-1

Photo 2. TP-1, view of south wall

Photo 3. TP-3, ground surface to 3 ft bgs

Photo 4. TP-3, ground surface to 8 ft bgs

Photo 5. TP-6, ground surface to 12 ft bgs

Photo 6. TP-4, first indication of buried tank

Photo 7. TP-4, inside of tank at 7 ft bgs

Photo 8. TP-2, ground surface to 8 ft bgs

Photo 9. TP-7

Photo 10. CB-2B, 0 to 8 ft bgs

Photo 11. CB-4, 0 to 8 ft bgs

Photo 12. CB-5, 19 to 29 ft bgs

Photo 13. CB5-8, 29 to 31 ft bgs

Photo 14. CB-1B, 22 to 29 ft bgs

Photo 15. CB7-1, 6 to 9 ft bgs

APPENDIX B
Test Pit Field Notes

DAILY FIELD RECORD

Page 1 of 5

NewFields
Perspective. Vision. Solutions.

Project and Task Number: 350.0058.005	Date: 5/27/2015
Project Name: Stimson	Field Activity: Test Pit Excavation
Location:	Weather: Partly cloudy w/ chance of rain

Personnel: Name	Company	Time in	Time Out
Ty Schneebel	NewFields	7:00 am	
Louise Spencer	NewFields	7:00 am	
Tyler Etzel	NewFields	7:00 am	
Curt ~~Dallas~~ Wagings	Environcon	7:10 am	
Dallas	Environcon	7:10 am	
Steven Petrin	Stimson Lumber	7:25 am	3:10 pm
Kieth Lanyer	DEQ	8:44 am	

PERSONAL SAFETY CHECKLIST

	Steel-toed boots		Hard Hat		Traffic Vest
	Gloves		Safety Goggles		Ear Protection

TIME	DESCRIPTION OF WORK PERFORMED
7:00 am	Ty & Louise arrived on-site
7:10 am	Curt & Dallas arrived on-site
7:20 am	Health & Safety Meeting
7:25 am	Steven arrives on-site
7:55 am	Excavation of TP 1 begins
8:00 am	Tyler decided to move TP 1 excavation slightly West due to concrete foundation
8:15 am	TP1 excavated to 5 ft & TP1-1 5' taken
	↳ TP1:
	unconsolidated: 0-2 ft ⇒ numerous cobbles & pebbles mixed w/ soil and root systems
	2-5 ft ⇒ predominantly soil w/ several pipes & pieces of concrete foundations exposed
	5-10 ⇒ Predominantly soil w/ cobbles, pebbles, & boulders, as well as utility piping and pieces of construction debris (i.e. bricks).
8:25 am	TP1 excavated to 10' & TP1-2 10' taken
	unconsolidated: 10-13 ft ⇒ wood cribbing, soil, cobbles, pebbles, & boulders
	13-15 ft ⇒ cobbles, boulders, & soils
	↳ Black material noted in areas throughout excavation pit - presumably burned material
8:40 am	TP1 excavated to 15' & TP1-3 15' taken

DAILY FIELD RECORD

Page 2 of 5

NewFields
Perspective. Vision. Solutions.

Date: 5/27/15

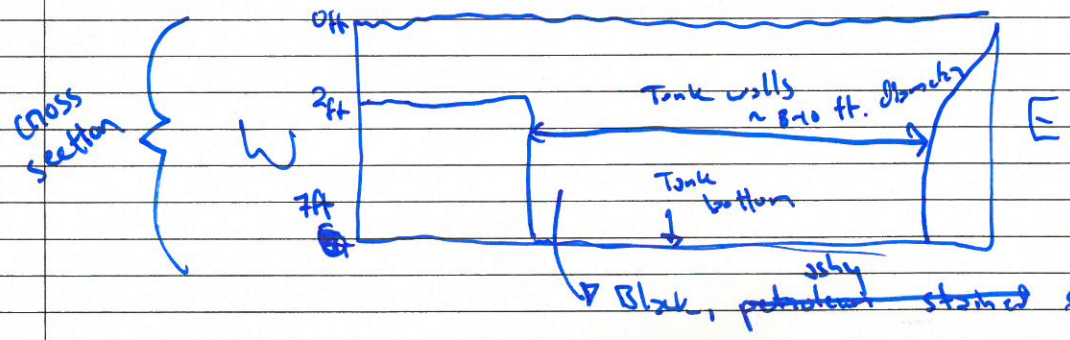
TIME	DESCRIPTION OF WORK PERFORMED
8:45 am	Petroflag calibrated at 27.2°C
9:05 am	PID for TP1-3 = 110 ppm
9:30 am	TP1 filled w/ excavated soil
9:35	TP3 Excavation begins:
	0-1 ft => brown soil encountered with concrete debris
	1-2 ft => buried concrete vault encountered on north side of pit -- moved excavation 2-3 ft SE
	2-5 ft => oil staining visible in soil of test pit ↳ predominantly soil w/ construction debris (bricks & concrete) ↳ utility piping present in soil ↳ concrete vault extends down north-side of excavation pit
9:40 am	TP3 excavated to 5' & TP3-1 taken ↳ oil odor & staining noted by Tyler E.
	5-10 ft => red & brown soils with boulders, cobbles, & pebbly alluvial & unconsolidated ↳ utility pipe end at ~ 5 ft ↳ concrete vault ends at ~ 12 ft.
9:50 am	TP3-2 sample taken at 10ft - staining & petroleum odor noted 10-15 ft => Reddish-brown soil w/ large amounts of cobbles (alluvial); unconsolidated; some organics noted ↳ no staining or petroleum odors noted
10:10 am	TP3-3 sample taken @ 15 ft - No staining or petroleum odors noted
10:30 am	TP3 refilled w/ excavated soil
10:32 am	TP3-1 PID = 160 ppm TP3-3 PID = 163 ppm
10:40 am	TP6 excavation begins
10:48 am	TP6-1 taken @ 5 ft. 0-5 ft: construction debris (bricks, wood, & concrete) from 0-2 ft.; organic rich soil w/ some cobbles & pebbles from 3-5 ft.; one large concrete block excavated
11:00 am	TP6-2 taken @ 10 ft. 5-10 ft: reddish-brown/purple soils w/ cobbles, pebbles, and boulders (alluvial); large rock embedded in North side of pit; patch of black soil on north wall appears to be organic or burnt
11:05 am	TP6-3 taken @ 15 ft. 10-15 ft: predominantly reddish-purplish-brown soil with mostly cobbles & pebbles - some small boulders

DAILY FIELD RECORD

NewFields
Perspective. Vision. Solutions.

Date: 5/27/15

TIME	DESCRIPTION OF WORK PERFORMED
11:25am	TP6 re-filled w/ excavated soil
11:09am	TP6-3 PID = 40 ppm
11:37am	TP5 Excavation Begins
12:10pm	TP5-1 taken @ 5'
	0-5 ft: Dark brown soil w/ pebbles & cobbles as well as root materials from 0-2 ft. Large amount of construct debris including 5x10 ft concrete block & numerous pipes. From 3-5 ft is predominantly brown soil with alluvial cobbles, pebbles, & small boulders
12:16pm	TP5-2 taken @ 10'
	5-10 ft: Dark blackish-brown & reddish brown soil with pebbles, large cobbles, & small boulders; layer of concrete ~7 ft down on west wall
12:24pm	TP5-3 taken @ 15'
	10-15: Reddish-brown soil w/ numerous alluvial cobbles & some ~~smaller~~ small boulders and pebbles
12:43pm	TP5 re-filled w/ excavated soil
12:45	TP5-3 PID = 214 ppm
12:50	TP4 Excavation Begins
	[redacted]: 0-7 ft:
	0-2 ft => light brown soil w/ cobbles & pebbles & some root system
	2-6.7 ft => large (~8-10 ft diameter) tank with extensive ~~petroleum staining~~ ssh -- soil inside tank is black from ~~petroleum~~ ssh; tank walls show evidence of rusting - Tank had no lid => open tank that was filled in?



1:09 pm	TP4 Excavation on hiatus... Excavation switches to TP2.
1:18 pm	TP4 stained soil sampled from ~~stockpile~~ spoils for petrofluy
1:35 pm	TP4 spoils PID = 1567 ppm

DAILY FIELD RECORD

Page 4 of 5

NewFields
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Date: 5/27/15

TIME	DESCRIPTION OF WORK PERFORMED
1:15 pm	TP2 Excavation Begins
1:30 pm	TP2-1 sample taken @ 5' - Excavation moved 7-10 ft South due to concrete foundation 0-5 ft: ↳ Light brown soil w/ cobbles, pebbles, & small boulders - concrete foundation on NW corner ~ 8ft thick; leaking water pipe in NW corner; construction debris - concrete foundation on East wall ~ 5-6 ft thick - dark organics in soil likely from wood debris
1:40 pm	TP2-2 sample taken @ 10' 5-10 ft: ↳ light brown soil w/ cobbles, pebbles, & small boulders ↳ dark organics in soil likely from wood debris associated w/ former operations
1:46 pm	TP2-3 sample taken @ 15' 10-15 ft: ↳ light brown soil w/ cobbles, pebbles, & small boulders ↳ dark organics in soil likely from wood debris associated w/ former operations ↳ concrete wall on west bank extends to depth of ~12 ft. from surface
2:10 pm	TP2 re-filled w/ excavated soil
2:18 pm	TP2-3 PID = 154 ppm
2:15 pm	TP7 Excavation Begins
2:22 pm	TP7-1 sample taken @ 5' 0-5 ft: · Substantial amounts of construction debris - concrete slabs along north bank & bottom of pit; bricks; ~~wiring~~ pipes, & support wires · soil is brown w/ cobbles, pebbles, & small boulders · dark organics in soil likely from wood debris associated w/ former operations

DAILY FIELD RECORD

NewFields
Perspective. Vision. Solutions.

Date: 5/27/15

TIME	DESCRIPTION OF WORK PERFORMED
2:31 pm	TP7-2 sample taken @ 10'
	5-10 ft:
	↳ Substantial amounts of brick exposed
	↳ concrete basement room exposed on NW corner
	↳ concrete on all four walls of test pit
	↳ soil is light brown to reddish brown (from brick) with clayey texture -- contains cobbles, pebbles, & construction debris
2:38 pm	TP7-3 sample taken @ 13'
	↳ refusal due to concrete obstruction
	↳ 10-13 ft: same as from 5-10 ft
2:51 pm	TP7 re-filled w/ excavated soil
3:00 pm	TP7-3 PID = 25 ppm
3:15 pm	TP4 re-filled w/ excavated soil

APPENDIX C

June 2015 Soil Boring Logs

NewFields

PROJECT NUMBER	BORING NUMBER	SHEET	OF
350.0033	CB1	1	1

SOIL BORING LOG

PROJECT: Stimson
LOCATION: Bonner, MT
DRILLER NAME: Ron
DRILLING CONTRACTOR: Environmental West Exploration
DRILLING METHOD AND EQUIPMENT: Sonic Continuous Core
WATER LEVEL:
DATE START: 6/4/15
DATE FINISH: 6/4/15
LOGGER: Ty S.

DEPETH BE(LOW SURFACE (FT)	SAMPLE: SONIC INTERVAL RECOVERY (%)	SAMPLE: SAMPLE DEPTH INTERVAL (ft bgs)	SAMPLE: INTERVAL ID #	Petro Flag (ppm)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: OBSERVATIONS (ODOR, STAINING, DRILLING RATE, DRILLING ISSUES, ETC.)
4.5'	0-4.5 50%				- Top soil @ 0-1' - Concrete @ [redacted]. 1'	- CB1 moved 1 ft SE * Stopped because of concrete refusal
5						
10						
15						
20						
25						
30						
35						

NewFields

PROJECT NUMBER	BORING NUMBER			
350.0033	CB-1B	SHEET 1	OF 1	

SOIL BORING LOG

PROJECT: Stimson — LOCATION: Bonner, MT

DRILLER NAME: Ron — DRILLING CONTRACTOR: Environmental West Exploration

DRILLING METHOD AND EQUIPMENT: Sonic Continuous Core

WATER LEVEL: — DATE START: 6/4/15 — DATE FINISH: 6/4/15 — LOGGER: Ty S.

DEPETH BE(LOW SURFACE (FT)	SAMPLE: SONIC INTERVAL RECOVERY (%)	SAMPLE: SAMPLE DEPTH INTERVAL (ft bgs)	SAMPLE: INTERVAL ID #	Petro Flag (ppm)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: OBSERVATIONS (ODOR, STAINING, DRILLING RATE, DRILLING ISSUES, ETC.)
5	0-9 40%				- Gravel fill material ~~w/ moisture~~ from building demolition w/ moisture →	- CB1 moved 8' SE - moisture is from drill -
9'						
10			16:20 1		- Wood debris & brick @ 9'	- strong petroleum odor
15	9-19 15%	9-19				
19'		19	16:50 2		- Concrete @ 19'	- Strong petroleum odor
20	19-21' 40%	19-22	3	1226	- Black stained, gravel fill material @ 19.4'	- CB1B-3 => only 5 g. sampled
22'			18:50			
25	22-29 50%	23-24	4 18:20	<4,000	- Blackish grey, ~~medium~~ fine - grained ~~sand~~ sand @ ~~22~~ -- petroleum odor - silty clay w/ gravel @ 26'	
29'		26-27	5 18:30	<2,000	- concrete w/ gravel @ 28' - steel pipe @ 28.5'	-
30						
35						

NewFields

PROJECT NUMBER	BORING NUMBER	SHEET	OF
350.0033	~~CB~~ CB3	1	1

SOIL BORING LOG

PROJECT: Stimson
LOCATION: Bonner, MT
DRILLER NAME: Ron
DRILLING CONTRACTOR: Environmental West Exploration
DRILLING METHOD AND EQUIPMENT: Sonic Continuous Core
WATER LEVEL:
DATE START: 6/5/15
DATE FINISH: 6/5/15
LOGGER: Ty S.

DEPETH BE(LOW SURFACE (FT)	SAMPLE: SONIC INTERVAL RECOVERY (%)	SAMPLE: SAMPLE DEPTH INTERVAL (ft bgs)	SAMPLE: INTERVAL ID #	Petro Flag (ppm)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: OBSERVATIONS (ODOR, STAINING, DRILLING RATE, DRILLING ISSUES, ETC.)
0		1.5-2	9:45 1	>2000	- Gravel fill material @ 0-1.5'	
	0-9				- Concrete dust @ 1.5'	
	100%	4.5-5	9:45 ↑ 2	222	- Silty gravel @ 4.5'	
5					- Cleaned, washed gravel w/ sand @ 8.5'	
	0-9	8.5-9	9:45 ↑ 3	30		
	~~10~~ 9-13				- Concrete w/ gravel @ 11'	- Refusal @ 13'
	100%					
15						
20						
25						
30						
35						

NewFields

PROJECT NUMBER	BORING NUMBER	SHEET	OF
350.0033	CB5	1	1

SOIL BORING LOG

PROJECT: Stimson
LOCATION: Bonner, MT
DRILLER NAME: Ron
DRILLING CONTRACTOR: Environmental West Exploration
DRILLING METHOD AND EQUIPMENT: Sonic Continuous Core
WATER LEVEL: —
DATE START: 6/4/5
DATE FINISH: 6/4/5
LOGGER: Ty S

DEPTH BE(LOW SURFACE (FT)	SAMPLE: SONIC INTERVAL RECOVERY (%)	SAMPLE: SAMPLE DEPTH INTERVAL (ft bgs)	SAMPLE: INTERVAL ID #	Petro Flag (ppm)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: OBSERVATIONS (ODOR, STAINING, DRILLING RATE, DRILLING ISSUES, ETC.)
5 ft	0-8 100%	1.5 ft	1 - 9:30am	1417 ppm	- 0-1.5': fill material - Concrete dust @ 1.5'	- 1st core 0-8 ft - 2nd core 8-9 ft
		4.5 ft	2 - 9:50am	1044 ppm	- Concrete cobbles @ 4.5'	
		6.5 ft	X		- Gravel fill material w/ moisture @ 6.5 ft	→ Moisture is from drill
8 9	8-9 100%	8 ft	3 - 10:10am	1118 ppm	- Gravel fill material w/ slight oily odor @ 8'	
10 ft		10-12 ft	4 - 11:30am	1457 ppm	- Large gravel & cobbles w/ silt @ 9'	- 40% non-recovery inferred to be large gravel & cobbles w/ silt
15 ft	9-19 60%	16-18 ft	5 - 11:30am	1518 ppm		
19					- Boulder @ 18.5'	
20 ft		21-22 ft	6 - 12:40	1545 ppm	- Large gravel & cobbles w/ silt @ 19'	
25 ft	19-29 ft 100%	27-29 ft	7 - 12:40	1305 ppm	- Concrete w/ cobbles @ 24' - Native, pink gravels @ 25.5'	
29 ft 30 ft	29-35 ft	29-31 ft	8 - 13:00	21668 ppm	- Cobbles & large gravel w/ coarse grained sand @ 29'	- Strong petroleum odor @ 29-31' - CB5-8 only Sampled 5 g
35 ft		34-35 ft	9 - 13:20	631 ppm		

NewFields

PROJECT NUMBER	BORING NUMBER	SHEET	OF
350.0033	CB6	1	1

SOIL BORING LOG

PROJECT: Stimson — LOCATION: Bonner, MT

DRILLER NAME: Ron — DRILLING CONTRACTOR: Environmental West Exploration

DRILLING METHOD AND EQUIPMENT: Sonic Continuous Core

WATER LEVEL: — DATE START: 6/5/15 — DATE FINISH: 6/5/15 — LOGGER: TJS

DEPETH BE(LOW SURFACE (FT)	SAMPLE: SONIC INTERVAL RECOVERY (%)	SAMPLE: SAMPLE DEPTH INTERVAL (ft bgs)	SAMPLE: INTERVAL ID #	Petro Flag (ppm)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: OBSERVATIONS (ODOR, STAINING, DRILLING RATE, DRILLING ISSUES, ETC.)
5'	0-9' 60%	6-8'	11:40 1		- Asphalt @ 0' - Gravel fill material @ 4" - light brown - Sandy clay w/ pebbles & cobbles and staining @ 4' - greyish brown - Gravel fill material @ 6' - greyish brown - Sandy silt w/ pebbles & cobbles @ 8'	
9'						
10'	9-19 75%	13-14'	12:05 2		- Light green quartzite boulder @ 9' - Light brown sandy silt w/ pebbles and cobbles @ 10'	
15'						
19'						
20'	19-29 80%	22-23	12:30 3		- Fine-to-coarse gravel w/ some silty matrix @ 19'	
25'		26-27	12:36 4		- Light brown sandy silt with cobbles & gravel @ 24', native	
29'		28-29	12:50 5		- Light brown silty sand with cobbles & gravel @ 28'	
30'						
35'						

NewFields

PROJECT NUMBER	BORING NUMBER	SHEET	OF
350.0033	CB7	1	1

SOIL BORING LOG

PROJECT: Stimson
LOCATION: Bonner, MT
DRILLER NAME: Ron
DRILLING CONTRACTOR: Environmental West Exploration
DRILLING METHOD AND EQUIPMENT: Sonic Continuous Core
WATER LEVEL:
DATE START: 6/5/15
DATE FINISH: 6/5/15
LOGGER: Ty S

DEPETH BE(LOW SURFACE (FT)	SAMPLE: SONIC INTERVAL RECOVERY (%)	SAMPLE: SAMPLE DEPTH INTERVAL (ft bgs)	SAMPLE: INTERVAL ID #	Petro Flag (ppm)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: OBSERVATIONS (ODOR, STAINING, DRILLING RATE, DRILLING ISSUES, ETC.)
5'	0-9' 80%	6-9	13:30 1		-Gravel fill/road base material @ 0' -- light brown - Sand & gravel loam - dark brown/grayish @ 6'	
9'						
10'	9-19' 25%	11-15'	13:40 2		- Light brown cobbles & pebbles (gravel) with sandy silt @ 11'	
15'						
19'					- Native gravels (cobbles & pebbles) w/ light brown silty sand @ 19'	
20'						
25'	19-29' 55%	23-25	14:80 3			
		27-29	14:05 4			
29'						
30'						
35'						

NewFields

PROJECT NUMBER	BORING NUMBER	SHEET	OF
350.0033	CB8	1	1

SOIL BORING LOG

PROJECT: Stimson
LOCATION: Bonner, MT
DRILLER NAME: Ron
DRILLING CONTRACTOR: Environmental West Exploration
DRILLING METHOD AND EQUIPMENT: Sonic Continuous Core
WATER LEVEL:
DATE START: 6/5/15
DATE FINISH: 6/5/15
LOGGER: TyS

DEPETH BE(LOW SURFACE (FT)	SAMPLE: SONIC INTERVAL RECOVERY (%)	SAMPLE: SAMPLE DEPTH INTERVAL (ft bgs)	SAMPLE: INTERVAL ID #	Petro Flag (ppm)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: OBSERVATIONS (ODOR, STAINING, DRILLING RATE, DRILLING ISSUES, ETC.)
5'	0-8.5' 65%	2.5-3.5'	15:10 1		- grey gravel fill material with some loamy material @ 0'	
7.5'		7.5-7.5'	15:15 2		- Native gravels, pebbles, cobbles in silty sand; brownish-red @ 7.5'	
10'	7.5-18.5' 45%				- boulders, cobbles, & pebbles @ 10.5'	
15'		15-18.5'	3 @ 10:00		- Cobbles & pebbles in a light brown sandy silt matrix @ 15' - 27.5' w/ red quartzite @ 18.5' (cobble)	- Low Recovery from 8.5' - 27.5'
18.5'						
20'						
25'	18.5-28.5' 35%	25-28.5'	10:20 4			
30'						
35'						

NewFields

PROJECT NUMBER	BORING NUMBER	SHEET	OF
350.0033	CB2B	1	1

SOIL BORING LOG

PROJECT: Stimson
LOCATION: Bonner, MT
DRILLER NAME: Greg
DRILLING CONTRACTOR: Environmental West Exploration
DRILLING METHOD AND EQUIPMENT: Sonic Continuous Core
WATER LEVEL: /
DATE START: 6/9/2015
DATE FINISH: 6/9/15
LOGGER: LS

DEPETH BE(LOW SURFACE (FT)	SAMPLE: SONIC INTERVAL RECOVERY (%)	SAMPLE: SAMPLE DEPTH INTERVAL (ft bgs)	SAMPLE: INTERVAL ID #	Petro Flag (ppm)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: OBSERVATIONS (ODOR, STAINING, DRILLING RATE, DRILLING ISSUES, ETC.)
0-8'	50%				wood debris & pulverized brick	
					8-11' concrete	No odors/staining
		12-13	1	917	12-14 gravel fill	
		13-14	‡		14-15 concrete	
8-18'	85%	15-16	2	920	15-18 silty gravels w/sand dark brown	
		17+18	3	925		
					18-28 native silty gravels	
		21-22	4	941		
18-28'	95%					No odors/staining
		27-28	5	945	26-28 sandy gravel	
					28-30 sandy gravel	
					30-38 silty gravel	
28-38'	100%	34-35	6	957		

Borehole terminated at 38 ft bgs

NewFields

PROJECT NUMBER	BORING NUMBER	SHEET	OF
350.0033	CB4	1	1

SOIL BORING LOG

PROJECT: Stimson
LOCATION: Bonner, MT
DRILLER NAME: Greg
DRILLING CONTRACTOR: Environmental West Exploration
DRILLING METHOD AND EQUIPMENT: Sonic Continuous Core
WATER LEVEL: /
DATE START: 6/9/15
DATE FINISH: 6/9/15
LOGGER: LS

DEPTH BE(LOW SURFACE (FT)	SAMPLE: SONIC INTERVAL RECOVERY (%)	SAMPLE: SAMPLE DEPTH INTERVAL (ft bgs)	SAMPLE: INTERVAL ID #	Petro Flag (ppm)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: OBSERVATIONS (ODOR, STAINING, DRILLING RATE, DRILLING ISSUES, ETC.)
					0-3' bgs topsoil loam	
0-8ft	75%	3-4	1	1125	3-4.5' concrete	no odor
		4.5-6	2	1128	4.5-8' gravel fill material black staining from 4.5-5.5'	
		9-10	3	1145	8-12' silty gravel	
8-18ft	75%				12-18' sandy gravel w/ silt	no odor
		16-17	4	1150		
					18-28' sandy gravel w/ silt	no odor
18-28ft	95%	22-23	5	>2000 (over)		
		27-28	6	101		Borehole terminated at 28ft bgs

NewFields

PROJECT NUMBER	BORING NUMBER	SHEET	OF
350.0033	CB9	1	1

SOIL BORING LOG

PROJECT: Stimson — LOCATION: Bonner, MT

DRILLER NAME: Greg — DRILLING CONTRACTOR: Environmental West Exploration

DRILLING METHOD AND EQUIPMENT: Sonic Continuous Core

WATER LEVEL: — — DATE START: 6/9/2015 — DATE FINISH: 6/9/2015 — LOGGER: LS

DEPTH BE(LOW SURFACE (FT)	SAMPLE: SONIC INTERVAL RECOVERY (%)	SAMPLE: SAMPLE DEPTH INTERVAL (ft bgs)	SAMPLE: INTERVAL ID #	Petro Flag (ppm)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: OBSERVATIONS (ODOR, STAINING, DRILLING RATE, DRILLING ISSUES, ETC.)
0-8ft	75%				0-5' gravel fill w/ black topsoil loam	no odors/no staining
		5-6	1	142	5-6' gravel fill	
					6-7.5' cement	
		7.5-8	2	58	7.5-8' gravel fill	
8-18ft	85%	9-10	3	101	8-10' sandy gravel	
					10-11' silty gravel	
					11-13' sandy gravel	
					13-14' silty gravel	
					14-18' sandy gravel	
		16-17	4	63		
					18-24' silty gravel	
		19-20	5	89	24-25' cobble, lg boulder	
					25-28 silty gravel	
18-28	85%					
		27-28	6	131		Borehole terminated at 28ft bgs

APPENDIX D

August 2015 Soil Boring Logs

NewFields

PROJECT: STIMSON MILLSITE	PROJECT NO.: 350.0033	SHT 1 OF 2
LOCATION OF BORING	DRILLING METHOD: Rotu-Sonic	BORING NO. CB-10
	HAMMER WEIGHT: ~ DROP: ~	LOGGED BY: LM, TS
	SAMPLER(S): Continuous core	DRILLING
	BACKFILL MATERIAL: HBC (Baroid 3/8-in)	START / FINISH
	WATER LEVEL (9 bags 5#)	TIME / TIME
	TIME	0805 / 0950
	DATE	DATE / DATE
DATUM ____ ELEVATION ____	CASING DEPTH	8-18-15 / 8-18-15

	SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	SAMPLE NO. / SAMPLE DEPTH	OVM/PID/FID READING	BLOW CT. PER 6"	SPT N-VALUE	DEPTH IN FEET	LITHOLOGY
0830	CORE	84 / 36	1 / 2-3	-	30	-	0	SM
							1	
							2	
							3	
							4	
							5	
							6	
0850	CORE	72 / 60	2 / 9-10	-	83	-	7	
							8	SM
							9	
							10	
							11	
							12	
							13	SC
							14	CC
							15	
							16	
0858	CORE	48 / 39	3 / 13-14	-		-	17	
							18	
	CORE						19	
							20	

SURFACE CONDITIONS:

Gravel/waste material, sparse veg.

SILTY SAND w GRAVEL (SM), Light brown 7.5YR 6/4, dry; abundant angular gravel, rare metal in cuttings

... Increasing gravel/cobble @ ~ 5 Ft bgs, matrix is light gray silt.

@ 8.0: SILTY SAND w GRAVEL (SM); Light red brown, wet (from ~ 8-9), rounded gravel; well graded sand.

@ 8-11.5: Lithology as above; dry, Pale red

@ 11.5 - 13: Damp in places, lithology as above

CLAYEY SAND w GRAVEL + COBBLE (SC-CC), Red Brown, damp to wet, rounded gravel, sl. plastic matrix; gravel is Belt Fm material.

... Increasing sand from 17 - 18 ... wet from 17.0 - 25.0

NewFields

PROJECT:	PROJECT NO.:	SHT 2 OF 2
LOCATION OF BORING	DRILLING METHOD:	BORING NO.
	See page 1	CB-10
	HAMMER WEIGHT: / DROP:	LOGGED BY:
	SAMPLER(S):	LM, TS
		DRILLING
	BACKFILL MATERIAL:	START / FINISH
	WATER LEVEL	TIME / TIME
	TIME	
	DATE	DATE / DATE
DATUM _____ ELEVATION _____	CASING DEPTH	

	SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	SAMPLE NO. / SAMPLE DEPTH	OVM/PID/FID READING	BLOW CT PER 6"	SPT N-VALUE	DEPTH IN FEET	LITHOLOGY
							20	
							21	SC-ac
							22	
0915	CORE	120/88	4 / 18-19	-		-	23	
			5 / 23-24				24	
							25	
							26	
							27	
0930	CORE	120/58	6 / 29-30				28	
							29	
							30	
							31	
			7 / 33-34				32	
							33	
							34	
							35	
							36	
							37	
							38	
							39	
0950	CORE	36/25	8 / 38-39				40	

SURFACE CONDITIONS:

@ 25', lithology as above, damp to wet

@ 27: Increasing gravel (ac), clayey gravel w/ sand, light red-brown, wet, sub-rounded to rounded gravel/cobble, light red Belt rock.

@ 34.5: Sandy gravel (GP), light red-brown, wet, rounded gravel.

As above, wet; contains angular cobbles.

End of boring @ 40 Ft. bgs.

NewFields

PROJECT: Stimson Millsite	**PROJECT NO.:** 350.0033		**SHT** 1 **OF** 2
LOCATION OF BORING	DRILLING METHOD: Rota-Sonic		BORING NO. CB-11
	HAMMER WEIGHT:	DROP:	LOGGED BY: LM, TS
	SAMPLER(S):		DRILLING START / FINISH
	BACKFILL MATERIAL: HBC - Baroid 3/8-in		
	WATER LEVEL	(50 lb bags)	TIME / TIME
	TIME		12:45 / 1345
	DATE		DATE / DATE
DATUM _____ ELEVATION _____	CASING DEPTH		8-18-15 / 8-18-15

SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	SAMPLE NO. / SAMPLE DEPTH	OVM/PID/FID READING	BLOW CT PER 6"	SPT N-VALUE	DEPTH IN FEET	LITHOLOGY
						0	
1216 WRE	84/48		—		—	1	
						2	
						3	
						4	
		1 / 4-5'				5	
						6	
						7	
1258 CR	120/68	2 / 8-9	—		—	8	
						9	
						10	
						11	
						12	
		3 / 12-13				13	
						14	
						15	
						16	
						17	
1315 CR	120/50		—		—	18	
		4 / 18-19				19	
						20	

SURFACE CONDITIONS:

Gravel / fill, sparse veg.

0-0.5: SANDY SILT w/ GRAVEL (ML), light brown, dry; angular gravel, contains organics + wood waste.

0.5 - 2: Organic material, black, damp [wood waste]

2- : CLAYEY SAND w/ GRAVEL (SC), Red - yellow transitioning to light brown, damp, minor dark brown zones; rounded gravel, trace weathered brick material, sl. plastic matrix, decreasing clay w/ depth...

@ 10: thin, horizontal dark grey band (~0.1' thick)

@12: GRAVELLY SILT w/ SAND (ML), light br., dry to damp; sub angular (fractured) gravel + cobble, non plastic.

@13.0: SANDY GRAVEL w/ CLAY (GP-GC); light-red brown, sub rounded gravel, mod. plastic matrix, rare cobbles (rounded Belt rock), damp

@ 19: Increasing sand component, lith as above, wet

NewFields

PROJECT:	PROJECT NO.:	SHT 2 OF 2
LOCATION OF BORING	DRILLING METHOD:	BORING NO.
		CB-11
	HAMMER WEIGHT: / DROP:	LOGGED BY:
	SAMPLER(S):	LM, TS
		DRILLING
	BACKFILL MATERIAL:	START / FINISH
	WATER LEVEL	TIME / TIME
	TIME	
	DATE	DATE / DATE
DATUM _____ ELEVATION _____	CASING DEPTH	

SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	SAMPLE NO. / SAMPLE DEPTH	OVM/PID/FID READING	BLOW CT PER 6"	SPT N-VALUE	DEPTH IN FEET	LITHOLOGY	SURFACE CONDITIONS:
						20		
						21		
						22		
						23		
		5 / 23-24				24		
						25		
						26		
						27		@ 27: Fines washed from cuttings to 29 Feet bgs.
						28		
1340 (1336) CORE	120 / 70	6 / 28-29	—		—	29		SANDY GRAVEL (SM), contains silt, red - brown, damp to wet, rounded gravel (Belt rock), rare rounded cobbles.
						30		
						31		Hard, slow drilling...
						32		
						33		
		7 / 33-34				34		
						35		
						36		
						37		
1343 (1342) CORE	36 / 26	8 / 39-40	—		—	38		Lithology as above, wet; greater sand component.
						39		
						40		End of boring @ 40 Feet bgs.

NewFields

PROJECT: Stimson Millsite	**PROJECT NO.:** 350.0033		**SHT** 1 **OF** 2
LOCATION OF BORING	DRILLING METHOD: Rota-Sonic		BORING NO. CB-12
	HAMMER WEIGHT:	DROP:	LOGGED BY: LM, TS
	SAMPLER(S):		DRILLING
	BACKFILL MATERIAL: HBC (13-50lb bags, Baroid 3/8-in bentonite)		START / FINISH
	WATER LEVEL		TIME / TIME
	TIME		1428 /
	DATE		DATE / DATE
DATUM _____ ELEVATION _____	CASING DEPTH		8-12-15 /

SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	SAMPLE NO. / SAMPLE DEPTH	OVM/PID/FID READING	BLOW CT PER 6"	SPT N-VALUE	DEPTH IN FEET	LITHOLOGY
						0	
1445	84/13		–		–	1	
						2	
						3	
1446		1/4-5				4	
						5	
						6	
						7	
1504	WIRE 120/119		–		–	8	
1505		2/8-9				9	
						10	
						11	
						12	
		3/12-13				13	
						14	
						15	
						16	
						17	
	WIRE 120/22	4/19-20	–		–	18	
						19	
						20	

SURFACE CONDITIONS:

GS is concrete slab, no veg.

Approx 3 Ft of concrete slab.

@ ~3 Ft

@ 3 Ft: Well Graded Sand w/ gravel (SM), Light-brown, damp, well-sorted sand, contains gravel.

@ 8.0: SANDY GRAVEL w/ CLAY (GC), light brown, damp to wet, rounded gravel, plastic sandy matrix; rare cobble

... Increasing cobbles w/ depth, rounded to sub rounded

@ 15: SANDY GRAVEL (GM), red brown, damp to dry; contains silt, gravel is rounded to sub angular (fractured) light-red Belt rock, contains clay from 16' to 17.

SANDY GRAVEL w/ CLAY (GC), light reddish-brown, abundant cobble - core recovery very low - likely cobble stuck in core barrel - contains clay, wet

NewFields

PROJECT:	PROJECT NO.:	SHT 2 OF 2
LOCATION OF BORING	DRILLING METHOD:	BORING NO.
	See page 1	CB-12
	HAMMER WEIGHT: / DROP:	LOGGED BY:
	SAMPLER(S):	LM, TS
		DRILLING
	BACKFILL MATERIAL:	START / FINISH
	WATER LEVEL	TIME / TIME
	TIME	
	DATE	DATE / DATE
DATUM _____ ELEVATION _____	CASING DEPTH	

SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	SAMPLE NO. / SAMPLE DEPTH	OVM/PID/FID READING	BLOW CT PER 6"	SPT N-VALUE	DEPTH IN FEET	LITHOLOGY	SURFACE CONDITIONS:
						20		
						21		
						22		
						23		
						24		
						25		
						26		
						27		Note: Fines washed from gravel from 27-28' bgs.
1545 CORE	120 / 100	5 / 28-29	–		–	28		SANDY GRAVEL w/ CLAY (ac). Red-brown, wet, increasing clay, decreasing sand w/ depth, gravel is subrounded red & pale green Belt rock.
						29		
						30		
						31		@ 31: Increasing Sand ... decreasing clay. Sand is poorly graded, medium-grained, contains wibbles.
		6 / 32-33				32		
						33		
						34		
						35		
						36		
						37		... cobbles from 36-37' bgs, wet
1550 CORE	36 / 22		–		–	38		
		7 / 39-40				39		Poorly graded sand lense @ 39.5 Ft, wet
						40		End of boring @ 40 Ft.

NewFields

PROJECT: Stimson Millsite	**PROJECT NO.:** 350.0033		**SHT** 1 **OF** 2
LOCATION OF BORING	DRILLING METHOD: Rota-Sonic		BORING NO. CB-13
	HAMMER WEIGHT:	DROP:	LOGGED BY: LM, TS
	SAMPLER(S):		DRILLING START / FINISH
	BACKFILL MATERIAL: 13-15 lb bags HBC		
	WATER LEVEL	(Bailoid 3/8-in bent.)	TIME 1015 / 1137
	TIME		DATE 8-18-15 / 8-18-15
	DATE		
	CASING DEPTH		

DATUM _____ ELEVATION _____

SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	SAMPLE NO. / SAMPLE DEPTH	OVM/PID/FID READING	BLOW CT PER 6"	SPT N-VALUE	DEPTH IN FEET	LITHOLOGY
CORE	84/54		–		–	0	
						1	
		1 / 2-3				2	
						3	
						4	
						5	
						6	
						7	
						8	
CORE	120/72	2 / 6-9	–		–	9	
						10	
						11	
		3 / 12-13				12	
						13	
						14	
						15	
						16	
						17	
CORE	120/62	4 / 17-18	–		–	18	
						19	
						20	

SURFACE CONDITIONS:

Gravel / fill material, sparse veg.

1020

0-0.5: Woody, organic material, no odor, near black, damp

0.5-2.0: POORLY GRADED SAND w/ GRAVEL (SP), Red-yellow (7.5 YR 6/6), damp, angular gravel (Fill)

GRAVELLY SILT w/ SAND (ML), very dark gray, damp, sl. plastic, rounded gravel, some organics, no odor.

~~SANDY~~ SILTY SAND w/ GRAVEL (SC), dark brown to Red-brown, wet, sl. plastic, rounded gravel.

POORLY GRADED GRAVELLY SAND (SP), light brown, damp med.-grained sand.

@ 7.0: SANDY CLAY w/ GRAVEL (CL), dark brown, wet, plastic, trace organics.

@ 8.0: SANDY GRAVEL w/ CLAY (GC), light brown, wet, rounded gravel, contains rounded cobble.

1030

@ ~12.5': Lithology as above, becomes light red, gravel is light red Belt rock, rounded, rare cobble

1040

NewFields

PROJECT:	PROJECT NO.:	SHT 2 OF 2
LOCATION OF BORING	DRILLING METHOD:	BORING NO.
	See page 1	CB-13
	HAMMER WEIGHT: / DROP:	LOGGED BY:
	SAMPLER(S):	LM, TS
		DRILLING
	BACKFILL MATERIAL:	START / FINISH
	WATER LEVEL	TIME / TIME
	TIME	
	DATE	DATE / DATE
DATUM _____ ELEVATION _____	CASING DEPTH	

SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	SAMPLE NO. / SAMPLE DEPTH	OVM/PID/FID READING	BLOW CT PER 6"	SPT N-VALUE	DEPTH IN FEET	LITHOLOGY	SURFACE CONDITIONS:
						20		
						21		
1043		5 / 22-23				22		
						23		
						24		
						25		
						26		
						27		
1125 core	120 / 62	6 / 28-29	—		—	28		[Driller begin adding H_2O]
						29		Sandy GRAVEL (GP): light brown to red-brown, well graded sand, rounded gravel (Belt rock), containing rounded cobble, wet [some clean gravel @ top of run - likely same as above; fines flushed during drilling].
						30		
						31		
						32		
1130		7 / 32-33				33		
						34		
						35		
						36		From 35 - 36: dry.
						37		
1135 core	36 / 16	8 / 38-39	—		—	38		
						39		@ 39: WELL GRADED SAND w/ GRAVEL (SP): Red brown (light), med. grained sand, wet, rounded gravel.
						40		End of boring @ 40 Ft bgs.

NewFields

PROJECT: Stimson Millsite	**PROJECT NO.:** 350.0033		**SHT** 1 **OF** 1
LOCATION OF BORING	DRILLING METHOD: Roto-Sonic		BORING NO. CB-14
	HAMMER WEIGHT:	DROP:	LOGGED BY: LM, TS
	SAMPLER(S):		DRILLING
☒ CB-1	BACKFILL MATERIAL: 12 50lb bags HBC (Baroid)		START / FINISH
	WATER LEVEL: 3/8 in Bent.		TIME / TIME
	TIME:		0823 /
	DATE:		DATE / DATE
DATUM _____ ELEVATION _____	CASING DEPTH:		8-19-15 /

SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	SAMPLE NO. / SAMPLE DEPTH	OVM/PID/FID READING	BLOW CT PER 6"	SPT N-VALUE	DEPTH IN FEET	LITHOLOGY
						20	
						21	
						22	
						23	
						24	
						25	
						26	
						27	
1030 WIRE	120/91	1/28-29	–		–	28	
						29	
						30	
						31	
						32	
		2/32-33				33	
						34	
						35	
						36	
						37	
1040 WIRE	36/36		–		–	38	
		3/39-40				39	
						40	

SURFACE CONDITIONS:

Gravel fill above former compressor bldg foundation; no samples / lith descriptions from 0-27' bgs, See CB-1 field sheets for sample / lith descriptions.

No samples retained from 0-27 Ft bgs, drilling through former compressor bldg foundation, slow drilling, low returns noted. Driller using water to advance casing / core barrel.

Sandy GRAVEL w/ SILT (GW-GM), light red-brown, wet, Subrounded fine to coarse gravel, light red & tan Belt rock material, coarse-grained sand matrix, rare cobble, increasing sand w/ depth. Faint odor @ ~ 29.5 Ft?

@ 30 Ft: GRAVELLY SAND (SW-SP), dark reddish brown, wet, fine- to med.-grained sand, w/ trace fine rounded gravel, mod. ~~well~~ poorly graded, faint odor?

@ 31 Ft: Color change to brown, lith as above, no odor; increasing rounded gravel

@ 33 Ft: CLAYEY GRAVELLY SAND (GC), Brown to Red-Brown (light) w/ depth; rounded to sub-rounded gravel, plastic matrix, wet

... increasing sand w/ depth, ...

... increasing rounded cobble ...

End boring @ 40 Ft. bgs

APPENDIX E
Test Pit Analytical Results

ANALYTICAL SUMMARY REPORT

June 02, 2015

NewFields
1120 Cedar St
Missoula, MT 59802-3911

Work Order: B15052149 Quote ID: B3097 - Stimson

Project Name: Stimson Mill #350.0033

Energy Laboratories Inc Billings MT received the following 19 samples for NewFields on 5/28/2015 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B15052149-001	TP1-1 5 Feet	05/27/15 8:15	05/28/15	Soil	Moisture Moisture Prep 8082 - Polychlorinated Biphenyls (PCB's) Percent Moisture Sonication Extraction
B15052149-002	TP1-2 10 Feet	05/27/15 8:30	05/28/15	Soil	Same As Above
B15052149-003	TP1-3 15 Feet	05/27/15 8:45	05/28/15	Soil	Same As Above
B15052149-004	TP2-1 5 Feet	05/27/15 13:30	05/28/15	Soil	Same As Above
B15052149-005	TP2-2 10 Feet	05/27/15 13:35	05/28/15	Soil	Same As Above
B15052149-006	TP2-3 15 Feet	05/27/15 13:40	05/28/15	Soil	Same As Above
B15052149-007	TP3-1 5 Feet	05/27/15 9:40	05/28/15	Soil	Same As Above
B15052149-008	TP3-2 10 Feet	05/27/15 9:50	05/28/15	Soil	Same As Above
B15052149-009	TP3-3 15 Feet	05/27/15 10:10	05/28/15	Soil	Same As Above
B15052149-010	TP4-Inside Tank	05/27/15 13:45	05/28/15	Soil	Same As Above
B15052149-011	TP5-1 5 Feet	05/27/15 12:10	05/28/15	Soil	Same As Above
B15052149-012	TP5-2 10 Feet	05/27/15 12:15	05/28/15	Soil	Same As Above
B15052149-013	TP5-3 15 Feet	05/27/15 12:25	05/28/15	Soil	Same As Above
B15052149-014	TP6-1 5 Feet	05/27/15 10:45	05/28/15	Soil	Same As Above
B15052149-015	TP6-2 10 Feet	05/27/15 11:00	05/28/15	Soil	Same As Above
B15052149-016	TP6-3 15 Feet	05/27/15 11:05	05/28/15	Soil	Same As Above
B15052149-017	TP7-1 5 Feet	05/27/15 14:25	05/28/15	Soil	Same As Above
B15052149-018	TP7-2 10 Feet	05/27/15 14:30	05/28/15	Soil	Same As Above
B15052149-019	TP7-3 15 Feet	05/27/15 14:40	05/28/15	Soil	Same As Above

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson Mill #350.0033
Lab ID: B15052149-001
Client Sample ID: TP1-1 5 Feet

Report Date: 06/02/15
Collection Date: 05/27/15 08:15
DateReceived: 05/28/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	17	wt%		0.2		SW3550A	05/28/15 10:24 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.020		SW8082	05/28/15 19:52 / jem
Aroclor 1221	ND	mg/kg-dry		0.041		SW8082	05/28/15 19:52 / jem
Aroclor 1232	ND	mg/kg-dry		0.020		SW8082	05/28/15 19:52 / jem
Aroclor 1242	ND	mg/kg-dry		0.020		SW8082	05/28/15 19:52 / jem
Aroclor 1248	ND	mg/kg-dry		0.020		SW8082	05/28/15 19:52 / jem
Aroclor 1254	0.50	mg/kg-dry		0.020		SW8082	05/28/15 19:52 / jem
Aroclor 1260	ND	mg/kg-dry		0.020		SW8082	05/28/15 19:52 / jem
Aroclor 1262	ND	mg/kg-dry		0.020		SW8082	05/28/15 19:52 / jem
Aroclor 1268	ND	mg/kg-dry		0.020		SW8082	05/28/15 19:52 / jem
Surr: Decachlorobiphenyl	94.0	%REC		50-126		SW8082	05/28/15 19:52 / jem
Surr: Tetrachloro-m-xylene	65.0	%REC		42-115		SW8082	05/28/15 19:52 / jem

- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson Mill #350.0033
Lab ID: B15052149-002
Client Sample ID: TP1-2 10 Feet

Report Date: 06/02/15
Collection Date: 05/27/15 08:30
DateReceived: 05/28/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	8.2	wt%		0.2		SW3550A	05/28/15 10:32 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.37		SW8082	05/29/15 08:36 / jem
Aroclor 1221	ND	mg/kg-dry		0.74		SW8082	05/29/15 08:36 / jem
Aroclor 1232	ND	mg/kg-dry		0.37		SW8082	05/29/15 08:36 / jem
Aroclor 1242	ND	mg/kg-dry		0.37		SW8082	05/29/15 08:36 / jem
Aroclor 1248	ND	mg/kg-dry		0.37		SW8082	05/29/15 08:36 / jem
Aroclor 1254	13	mg/kg-dry		0.37		SW8082	05/29/15 08:36 / jem
Aroclor 1260	ND	mg/kg-dry		0.37		SW8082	05/29/15 08:36 / jem
Aroclor 1262	ND	mg/kg-dry		0.37		SW8082	05/29/15 08:36 / jem
Aroclor 1268	ND	mg/kg-dry		0.37		SW8082	05/29/15 08:36 / jem
Surr: Decachlorobiphenyl	126	%REC		50-126		SW8082	05/29/15 08:36 / jem
Surr: Tetrachloro-m-xylene	73.0	%REC		42-115		SW8082	05/29/15 08:36 / jem

-The Reporting Limits reflect a 20 times dilution due to the level of Aroclor 1254 detected in the sample.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson Mill #350.0033
Lab ID: B15052149-003
Client Sample ID: TP1-3 15 Feet

Report Date: 06/02/15
Collection Date: 05/27/15 08:45
DateReceived: 05/28/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	6.8	wt%		0.2		SW3550A	05/28/15 10:37 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.18		SW8082	05/29/15 09:04 / jem
Aroclor 1221	ND	mg/kg-dry		0.36		SW8082	05/29/15 09:04 / jem
Aroclor 1232	ND	mg/kg-dry		0.18		SW8082	05/29/15 09:04 / jem
Aroclor 1242	ND	mg/kg-dry		0.18		SW8082	05/29/15 09:04 / jem
Aroclor 1248	ND	mg/kg-dry		0.18		SW8082	05/29/15 09:04 / jem
Aroclor 1254	4.2	mg/kg-dry		0.18		SW8082	05/29/15 09:04 / jem
Aroclor 1260	ND	mg/kg-dry		0.18		SW8082	05/29/15 09:04 / jem
Aroclor 1262	ND	mg/kg-dry		0.18		SW8082	05/29/15 09:04 / jem
Aroclor 1268	ND	mg/kg-dry		0.18		SW8082	05/29/15 09:04 / jem
Surr: Decachlorobiphenyl	168	%REC	S	50-126		SW8082	05/29/15 09:04 / jem
Surr: Tetrachloro-m-xylene	65.0	%REC		42-115		SW8082	05/29/15 09:04 / jem

-The Reporting Limits reflect a 10 times dilution due to the level of Aroclor 1254 detected in the sample.
-The high percent recovery of Decachlorobiphenyl is attributed to co-eluting interference on primary column.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
S - Spike recovery outside of advisory limits.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson Mill #350.0033
Lab ID: B15052149-004
Client Sample ID: TP2-1 5 Feet

Report Date: 06/02/15
Collection Date: 05/27/15 13:30
DateReceived: 05/28/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	21	wt%		0.2		SW3550A	05/28/15 10:46 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.022		SW8082	05/29/15 09:32 / jem
Aroclor 1221	ND	mg/kg-dry		0.043		SW8082	05/29/15 09:32 / jem
Aroclor 1232	ND	mg/kg-dry		0.022		SW8082	05/29/15 09:32 / jem
Aroclor 1242	ND	mg/kg-dry		0.022		SW8082	05/29/15 09:32 / jem
Aroclor 1248	ND	mg/kg-dry		0.022		SW8082	05/29/15 09:32 / jem
Aroclor 1254	0.051	mg/kg-dry		0.022		SW8082	05/29/15 09:32 / jem
Aroclor 1260	ND	mg/kg-dry		0.022		SW8082	05/29/15 09:32 / jem
Aroclor 1262	ND	mg/kg-dry		0.022		SW8082	05/29/15 09:32 / jem
Aroclor 1268	ND	mg/kg-dry		0.022		SW8082	05/29/15 09:32 / jem
Surr: Decachlorobiphenyl	95.0	%REC		50-126		SW8082	05/29/15 09:32 / jem
Surr: Tetrachloro-m-xylene	61.0	%REC		42-115		SW8082	05/29/15 09:32 / jem

- The Aroclor 1254 pattern found in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson Mill #350.0033
Lab ID: B15052149-005
Client Sample ID: TP2-2 10 Feet

Report Date: 06/02/15
Collection Date: 05/27/15 13:35
DateReceived: 05/28/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	11	wt%		0.2		SW3550A	05/28/15 10:55 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.019		SW8082	05/28/15 22:40 / jem
Aroclor 1221	ND	mg/kg-dry		0.038		SW8082	05/28/15 22:40 / jem
Aroclor 1232	ND	mg/kg-dry		0.019		SW8082	05/28/15 22:40 / jem
Aroclor 1242	ND	mg/kg-dry		0.019		SW8082	05/28/15 22:40 / jem
Aroclor 1248	ND	mg/kg-dry		0.019		SW8082	05/28/15 22:40 / jem
Aroclor 1254	1.2	mg/kg-dry		0.019		SW8082	05/28/15 22:40 / jem
Aroclor 1260	ND	mg/kg-dry		0.019		SW8082	05/28/15 22:40 / jem
Aroclor 1262	ND	mg/kg-dry		0.019		SW8082	05/28/15 22:40 / jem
Aroclor 1268	ND	mg/kg-dry		0.019		SW8082	05/28/15 22:40 / jem
Surr: Decachlorobiphenyl	96.0	%REC		50-126		SW8082	05/28/15 22:40 / jem
Surr: Tetrachloro-m-xylene	67.0	%REC		42-115		SW8082	05/28/15 22:40 / jem

- The Aroclor 1254 pattern found in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson Mill #350.0033
Lab ID: B15052149-006
Client Sample ID: TP2-3 15 Feet

Report Date: 06/02/15
Collection Date: 05/27/15 13:40
DateReceived: 05/28/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	18	wt%		0.2		SW3550A	05/28/15 11:00 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.082		SW8082	05/29/15 10:00 / jem
Aroclor 1221	ND	mg/kg-dry		0.16		SW8082	05/29/15 10:00 / jem
Aroclor 1232	ND	mg/kg-dry		0.082		SW8082	05/29/15 10:00 / jem
Aroclor 1242	ND	mg/kg-dry		0.082		SW8082	05/29/15 10:00 / jem
Aroclor 1248	ND	mg/kg-dry		0.082		SW8082	05/29/15 10:00 / jem
Aroclor 1254	3.0	mg/kg-dry		0.082		SW8082	05/29/15 10:00 / jem
Aroclor 1260	ND	mg/kg-dry		0.082		SW8082	05/29/15 10:00 / jem
Aroclor 1262	ND	mg/kg-dry		0.082		SW8082	05/29/15 10:00 / jem
Aroclor 1268	ND	mg/kg-dry		0.082		SW8082	05/29/15 10:00 / jem
Surr: Decachlorobiphenyl	101	%REC		50-126		SW8082	05/29/15 10:00 / jem
Surr: Tetrachloro-m-xylene	65.0	%REC		42-115		SW8082	05/29/15 10:00 / jem

-The Reporting Limits reflect a 4 times dilution due to the level of Aroclor 1254 detected in the sample. The Aroclor 1254 pattern found in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson Mill #350.0033
Lab ID: B15052149-007
Client Sample ID: TP3-1 5 Feet

Report Date: 06/02/15
Collection Date: 05/27/15 09:40
DateReceived: 05/28/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	15	wt%		0.2		SW3550A	05/28/15 11:12 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.20		SW8082	05/29/15 10:28 / jem
Aroclor 1221	ND	mg/kg-dry		0.40		SW8082	05/29/15 10:28 / jem
Aroclor 1232	ND	mg/kg-dry		0.20		SW8082	05/29/15 10:28 / jem
Aroclor 1242	ND	mg/kg-dry		0.20		SW8082	05/29/15 10:28 / jem
Aroclor 1248	ND	mg/kg-dry		0.20		SW8082	05/29/15 10:28 / jem
Aroclor 1254	3.5	mg/kg-dry		0.20		SW8082	05/29/15 10:28 / jem
Aroclor 1260	ND	mg/kg-dry		0.20		SW8082	05/29/15 10:28 / jem
Aroclor 1262	ND	mg/kg-dry		0.20		SW8082	05/29/15 10:28 / jem
Aroclor 1268	ND	mg/kg-dry		0.20		SW8082	05/29/15 10:28 / jem
Surr: Decachlorobiphenyl	100	%REC		50-126		SW8082	05/29/15 10:28 / jem
Surr: Tetrachloro-m-xylene	64.0	%REC		42-115		SW8082	05/29/15 10:28 / jem

-The Reporting Limits reflect a 10 times dilution due to the level of Aroclor 1254 detected in the sample. The Aroclor 1254 pattern found in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson Mill #350.0033
Lab ID: B15052149-008
Client Sample ID: TP3-2 10 Feet

Report Date: 06/02/15
Collection Date: 05/27/15 09:50
DateReceived: 05/28/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	16	wt%		0.2		SW3550A	05/28/15 11:19 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.20		SW8082	05/29/15 10:56 / jem
Aroclor 1221	ND	mg/kg-dry		0.40		SW8082	05/29/15 10:56 / jem
Aroclor 1232	ND	mg/kg-dry		0.20		SW8082	05/29/15 10:56 / jem
Aroclor 1242	ND	mg/kg-dry		0.20		SW8082	05/29/15 10:56 / jem
Aroclor 1248	ND	mg/kg-dry		0.20		SW8082	05/29/15 10:56 / jem
Aroclor 1254	5.5	mg/kg-dry		0.20		SW8082	05/29/15 10:56 / jem
Aroclor 1260	ND	mg/kg-dry		0.20		SW8082	05/29/15 10:56 / jem
Aroclor 1262	ND	mg/kg-dry		0.20		SW8082	05/29/15 10:56 / jem
Aroclor 1268	ND	mg/kg-dry		0.20		SW8082	05/29/15 10:56 / jem
Surr: Decachlorobiphenyl	243	%REC	S	50-126		SW8082	05/29/15 10:56 / jem
Surr: Tetrachloro-m-xylene	72.0	%REC		42-115		SW8082	05/29/15 10:56 / jem

-The high percent recovery of Decachlorobiphenyl is attributed to co-eluting interference on primary column.
-The Reporting Limits reflect a 10 times dilution due to the level of Aroclor 1254 detected in the sample. The Aroclor 1254 pattern found in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
S - Spike recovery outside of advisory limits.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson Mill #350.0033
Lab ID: B15052149-009
Client Sample ID: TP3-3 15 Feet

Report Date: 06/02/15
Collection Date: 05/27/15 10:10
DateReceived: 05/28/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	22	wt%		0.2		SW3550A	05/28/15 11:25 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.022		SW8082	05/29/15 11:24 / jem
Aroclor 1221	ND	mg/kg-dry		0.043		SW8082	05/29/15 11:24 / jem
Aroclor 1232	ND	mg/kg-dry		0.022		SW8082	05/29/15 11:24 / jem
Aroclor 1242	ND	mg/kg-dry		0.022		SW8082	05/29/15 11:24 / jem
Aroclor 1248	ND	mg/kg-dry		0.022		SW8082	05/29/15 11:24 / jem
Aroclor 1254	0.37	mg/kg-dry		0.022		SW8082	05/29/15 11:24 / jem
Aroclor 1260	ND	mg/kg-dry		0.022		SW8082	05/29/15 11:24 / jem
Aroclor 1262	ND	mg/kg-dry		0.022		SW8082	05/29/15 11:24 / jem
Aroclor 1268	ND	mg/kg-dry		0.022		SW8082	05/29/15 11:24 / jem
Surr: Decachlorobiphenyl	161	%REC	S	50-126		SW8082	05/29/15 11:24 / jem
Surr: Tetrachloro-m-xylene	66.0	%REC		42-115		SW8082	05/29/15 11:24 / jem

-The high percent recovery of Decachlorobiphenyl is attributed to co-eluting interference on primary column.
- The Aroclor 1254 pattern found in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
S - Spike recovery outside of advisory limits.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson Mill #350.0033
Lab ID: B15052149-010
Client Sample ID: TP4-Inside Tank

Report Date: 06/02/15
Collection Date: 05/27/15 13:45
DateReceived: 05/28/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	22	wt%		0.2		SW3550A	05/28/15 11:39 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.022		SW8082	05/29/15 01:00 / jem
Aroclor 1221	ND	mg/kg-dry		0.043		SW8082	05/29/15 01:00 / jem
Aroclor 1232	ND	mg/kg-dry		0.022		SW8082	05/29/15 01:00 / jem
Aroclor 1242	ND	mg/kg-dry		0.022		SW8082	05/29/15 01:00 / jem
Aroclor 1248	ND	mg/kg-dry		0.022		SW8082	05/29/15 01:00 / jem
Aroclor 1254	0.32	mg/kg-dry		0.022		SW8082	05/29/15 01:00 / jem
Aroclor 1260	ND	mg/kg-dry		0.022		SW8082	05/29/15 01:00 / jem
Aroclor 1262	ND	mg/kg-dry		0.022		SW8082	05/29/15 01:00 / jem
Aroclor 1268	ND	mg/kg-dry		0.022		SW8082	05/29/15 01:00 / jem
Surr: Decachlorobiphenyl	99.0	%REC		50-126		SW8082	05/29/15 01:00 / jem
Surr: Tetrachloro-m-xylene	71.0	%REC		42-115		SW8082	05/29/15 01:00 / jem

- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson Mill #350.0033
Lab ID: B15052149-011
Client Sample ID: TP5-1 5 Feet

Report Date: 06/02/15
Collection Date: 05/27/15 12:10
DateReceived: 05/28/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	10	wt%		0.2		SW3550A	05/28/15 11:45 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.038		SW8082	05/29/15 11:52 / jem
Aroclor 1221	ND	mg/kg-dry		0.075		SW8082	05/29/15 11:52 / jem
Aroclor 1232	ND	mg/kg-dry		0.038		SW8082	05/29/15 11:52 / jem
Aroclor 1242	ND	mg/kg-dry		0.038		SW8082	05/29/15 11:52 / jem
Aroclor 1248	ND	mg/kg-dry		0.038		SW8082	05/29/15 11:52 / jem
Aroclor 1254	1.9	mg/kg-dry		0.038		SW8082	05/29/15 11:52 / jem
Aroclor 1260	ND	mg/kg-dry		0.038		SW8082	05/29/15 11:52 / jem
Aroclor 1262	ND	mg/kg-dry		0.038		SW8082	05/29/15 11:52 / jem
Aroclor 1268	ND	mg/kg-dry		0.038		SW8082	05/29/15 11:52 / jem
Surr: Decachlorobiphenyl	97.0	%REC		50-126		SW8082	05/29/15 11:52 / jem
Surr: Tetrachloro-m-xylene	65.0	%REC		42-115		SW8082	05/29/15 11:52 / jem

-The Reporting Limits reflect a 2 times dilution due to the level of Aroclor 1254 detected in the sample.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson Mill #350.0033
Lab ID: B15052149-012
Client Sample ID: TP5-2 10 Feet

Report Date: 06/02/15
Collection Date: 05/27/15 12:15
DateReceived: 05/28/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	9.4	wt%		0.2		SW3550A	05/28/15 11:58 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.37		SW8082	05/29/15 15:08 / jem
Aroclor 1221	ND	mg/kg-dry		0.75		SW8082	05/29/15 15:08 / jem
Aroclor 1232	ND	mg/kg-dry		0.37		SW8082	05/29/15 15:08 / jem
Aroclor 1242	ND	mg/kg-dry		0.37		SW8082	05/29/15 15:08 / jem
Aroclor 1248	ND	mg/kg-dry		0.37		SW8082	05/29/15 15:08 / jem
Aroclor 1254	18	mg/kg-dry		0.37		SW8082	05/29/15 15:08 / jem
Aroclor 1260	ND	mg/kg-dry		0.37		SW8082	05/29/15 15:08 / jem
Aroclor 1262	ND	mg/kg-dry		0.37		SW8082	05/29/15 15:08 / jem
Aroclor 1268	ND	mg/kg-dry		0.37		SW8082	05/29/15 15:08 / jem
Surr: Decachlorobiphenyl	96.0	%REC		50-126		SW8082	05/29/15 15:08 / jem
Surr: Tetrachloro-m-xylene	77.0	%REC		42-115		SW8082	05/29/15 15:08 / jem

-The Reporting Limits reflect a 20 times dilution due to the level of Aroclor 1254 detected in the sample.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson Mill #350.0033
Lab ID: B15052149-013
Client Sample ID: TP5-3 15 Feet

Report Date: 06/02/15
Collection Date: 05/27/15 12:25
DateReceived: 05/28/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	7.9	wt%		0.2		SW3550A	05/28/15 12:05 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.018		SW8082	05/29/15 12:48 / jem
Aroclor 1221	ND	mg/kg-dry		0.037		SW8082	05/29/15 12:48 / jem
Aroclor 1232	ND	mg/kg-dry		0.018		SW8082	05/29/15 12:48 / jem
Aroclor 1242	ND	mg/kg-dry		0.018		SW8082	05/29/15 12:48 / jem
Aroclor 1248	ND	mg/kg-dry		0.018		SW8082	05/29/15 12:48 / jem
Aroclor 1254	0.79	mg/kg-dry		0.018		SW8082	05/29/15 12:48 / jem
Aroclor 1260	ND	mg/kg-dry		0.018		SW8082	05/29/15 12:48 / jem
Aroclor 1262	ND	mg/kg-dry		0.018		SW8082	05/29/15 12:48 / jem
Aroclor 1268	ND	mg/kg-dry		0.018		SW8082	05/29/15 12:48 / jem
Surr: Decachlorobiphenyl	106	%REC		50-126		SW8082	05/29/15 12:48 / jem
Surr: Tetrachloro-m-xylene	72.0	%REC		42-115		SW8082	05/29/15 12:48 / jem

- The Aroclor 1254 pattern found in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson Mill #350.0033
Lab ID: B15052149-014
Client Sample ID: TP6-1 5 Feet

Report Date: 06/02/15
Collection Date: 05/27/15 10:45
DateReceived: 05/28/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	8.3	wt%		0.2		SW3550A	05/28/15 12:11 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.018		SW8082	05/29/15 02:51 / jem
Aroclor 1221	ND	mg/kg-dry		0.037		SW8082	05/29/15 02:51 / jem
Aroclor 1232	ND	mg/kg-dry		0.018		SW8082	05/29/15 02:51 / jem
Aroclor 1242	ND	mg/kg-dry		0.018		SW8082	05/29/15 02:51 / jem
Aroclor 1248	ND	mg/kg-dry		0.018		SW8082	05/29/15 02:51 / jem
Aroclor 1254	0.76	mg/kg-dry		0.018		SW8082	05/29/15 02:51 / jem
Aroclor 1260	ND	mg/kg-dry		0.018		SW8082	05/29/15 02:51 / jem
Aroclor 1262	ND	mg/kg-dry		0.018		SW8082	05/29/15 02:51 / jem
Aroclor 1268	ND	mg/kg-dry		0.018		SW8082	05/29/15 02:51 / jem
Surr: Decachlorobiphenyl	98.0	%REC		50-126		SW8082	05/29/15 02:51 / jem
Surr: Tetrachloro-m-xylene	68.0	%REC		42-115		SW8082	05/29/15 02:51 / jem

- The Aroclor 1254 pattern found in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson Mill #350.0033
Lab ID: B15052149-015
Client Sample ID: TP6-2 10 Feet

Report Date: 06/02/15
Collection Date: 05/27/15 11:00
DateReceived: 05/28/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	6.7	wt%		0.2		SW3550A	05/28/15 12:18 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.018		SW8082	05/29/15 03:19 / jem
Aroclor 1221	ND	mg/kg-dry		0.036		SW8082	05/29/15 03:19 / jem
Aroclor 1232	ND	mg/kg-dry		0.018		SW8082	05/29/15 03:19 / jem
Aroclor 1242	ND	mg/kg-dry		0.018		SW8082	05/29/15 03:19 / jem
Aroclor 1248	ND	mg/kg-dry		0.018		SW8082	05/29/15 03:19 / jem
Aroclor 1254	ND	mg/kg-dry		0.018		SW8082	05/29/15 03:19 / jem
Aroclor 1260	ND	mg/kg-dry		0.018		SW8082	05/29/15 03:19 / jem
Aroclor 1262	ND	mg/kg-dry		0.018		SW8082	05/29/15 03:19 / jem
Aroclor 1268	ND	mg/kg-dry		0.018		SW8082	05/29/15 03:19 / jem
Surr: Decachlorobiphenyl	97.0	%REC		50-126		SW8082	05/29/15 03:19 / jem
Surr: Tetrachloro-m-xylene	65.0	%REC		42-115		SW8082	05/29/15 03:19 / jem

- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson Mill #350.0033
Lab ID: B15052149-016
Client Sample ID: TP6-3 15 Feet

Report Date: 06/02/15
Collection Date: 05/27/15 11:05
DateReceived: 05/28/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	8.1	wt%		0.2		SW3550A	05/28/15 12:22 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.018		SW8082	05/29/15 03:47 / jem
Aroclor 1221	ND	mg/kg-dry		0.037		SW8082	05/29/15 03:47 / jem
Aroclor 1232	ND	mg/kg-dry		0.018		SW8082	05/29/15 03:47 / jem
Aroclor 1242	ND	mg/kg-dry		0.018		SW8082	05/29/15 03:47 / jem
Aroclor 1248	ND	mg/kg-dry		0.018		SW8082	05/29/15 03:47 / jem
Aroclor 1254	0.060	mg/kg-dry		0.018		SW8082	05/29/15 03:47 / jem
Aroclor 1260	ND	mg/kg-dry		0.018		SW8082	05/29/15 03:47 / jem
Aroclor 1262	ND	mg/kg-dry		0.018		SW8082	05/29/15 03:47 / jem
Aroclor 1268	ND	mg/kg-dry		0.018		SW8082	05/29/15 03:47 / jem
Surr: Decachlorobiphenyl	94.0	%REC		50-126		SW8082	05/29/15 03:47 / jem
Surr: Tetrachloro-m-xylene	67.0	%REC		42-115		SW8082	05/29/15 03:47 / jem

- The Aroclor 1254 pattern found in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson Mill #350.0033
Lab ID: B15052149-017
Client Sample ID: TP7-1 5 Feet

Report Date: 06/02/15
Collection Date: 05/27/15 14:25
DateReceived: 05/28/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	18	wt%		0.2		SW3550A	05/28/15 12:30 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.41		SW8082	05/29/15 13:16 / jem
Aroclor 1221	ND	mg/kg-dry		0.82		SW8082	05/29/15 13:16 / jem
Aroclor 1232	ND	mg/kg-dry		0.41		SW8082	05/29/15 13:16 / jem
Aroclor 1242	ND	mg/kg-dry		0.41		SW8082	05/29/15 13:16 / jem
Aroclor 1248	ND	mg/kg-dry		0.41		SW8082	05/29/15 13:16 / jem
Aroclor 1254	17	mg/kg-dry		0.41		SW8082	05/29/15 13:16 / jem
Aroclor 1260	ND	mg/kg-dry		0.41		SW8082	05/29/15 13:16 / jem
Aroclor 1262	ND	mg/kg-dry		0.41		SW8082	05/29/15 13:16 / jem
Aroclor 1268	ND	mg/kg-dry		0.41		SW8082	05/29/15 13:16 / jem
Surr: Decachlorobiphenyl	109	%REC		50-126		SW8082	05/29/15 13:16 / jem
Surr: Tetrachloro-m-xylene	76.0	%REC		42-115		SW8082	05/29/15 13:16 / jem

-The Reporting Limits reflect a 20 times dilution due to the level of Aroclor 1254 detected in the sample. The Aroclor 1254 pattern found in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson Mill #350.0033
Lab ID: B15052149-018
Client Sample ID: TP7-2 10 Feet

Report Date: 06/02/15
Collection Date: 05/27/15 14:30
DateReceived: 05/28/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	16	wt%		0.2		SW3550A	05/28/15 12:37 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.020		SW8082	05/29/15 04:43 / jem
Aroclor 1221	ND	mg/kg-dry		0.040		SW8082	05/29/15 04:43 / jem
Aroclor 1232	ND	mg/kg-dry		0.020		SW8082	05/29/15 04:43 / jem
Aroclor 1242	ND	mg/kg-dry		0.020		SW8082	05/29/15 04:43 / jem
Aroclor 1248	ND	mg/kg-dry		0.020		SW8082	05/29/15 04:43 / jem
Aroclor 1254	ND	mg/kg-dry		0.020		SW8082	05/29/15 04:43 / jem
Aroclor 1260	ND	mg/kg-dry		0.020		SW8082	05/29/15 04:43 / jem
Aroclor 1262	ND	mg/kg-dry		0.020		SW8082	05/29/15 04:43 / jem
Aroclor 1268	ND	mg/kg-dry		0.020		SW8082	05/29/15 04:43 / jem
Surr: Decachlorobiphenyl	98.0	%REC		50-126		SW8082	05/29/15 04:43 / jem
Surr: Tetrachloro-m-xylene	53.0	%REC		42-115		SW8082	05/29/15 04:43 / jem

- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson Mill #350.0033
Lab ID: B15052149-019
Client Sample ID: TP7-3 15 Feet

Report Date: 06/02/15
Collection Date: 05/27/15 14:40
DateReceived: 05/28/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	17	wt%		0.2		SW3550A	05/28/15 12:56 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.020		SW8082	05/29/15 05:10 / jem
Aroclor 1221	ND	mg/kg-dry		0.041		SW8082	05/29/15 05:10 / jem
Aroclor 1232	ND	mg/kg-dry		0.020		SW8082	05/29/15 05:10 / jem
Aroclor 1242	ND	mg/kg-dry		0.020		SW8082	05/29/15 05:10 / jem
Aroclor 1248	ND	mg/kg-dry		0.020		SW8082	05/29/15 05:10 / jem
Aroclor 1254	0.14	mg/kg-dry		0.020		SW8082	05/29/15 05:10 / jem
Aroclor 1260	ND	mg/kg-dry		0.020		SW8082	05/29/15 05:10 / jem
Aroclor 1262	ND	mg/kg-dry		0.020		SW8082	05/29/15 05:10 / jem
Aroclor 1268	ND	mg/kg-dry		0.020		SW8082	05/29/15 05:10 / jem
Surr: Decachlorobiphenyl	100	%REC		50-126		SW8082	05/29/15 05:10 / jem
Surr: Tetrachloro-m-xylene	64.0	%REC		42-115		SW8082	05/29/15 05:10 / jem

- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: NewFields
Report Date: 06/02/15
Project: Stimson Mill #350.0033
Work Order: B15052149

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **SW8082**									Batch: 89959
Lab ID: **MB-89959**	Method Blank				Run: AECD.I_150528A				05/28/15 13:48
Aroclor 1016	ND	mg/kg	0.017						
Aroclor 1221	ND	mg/kg	0.033						
Aroclor 1232	ND	mg/kg	0.017						
Aroclor 1242	ND	mg/kg	0.017						
Aroclor 1248	ND	mg/kg	0.017						
Aroclor 1254	ND	mg/kg	0.017						
Aroclor 1260	ND	mg/kg	0.017						
Aroclor 1262	ND	mg/kg	0.017						
Aroclor 1268	ND	mg/kg	0.017						
Surr: Decachlorobiphenyl			0.0017	91	50	126			
Surr: Tetrachloro-m-xylene			0.0017	58	42	115			
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									
Lab ID: **AR1254A-89959**	Laboratory Control Sample				Run: AECD.I_150528A				05/28/15 14:16
Aroclor 1254	0.296	mg/kg	0.017	88	62	126			
Surr: Decachlorobiphenyl			0.0017	90	50	126			
Surr: Tetrachloro-m-xylene			0.0017	53	42	115			
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									
Lab ID: **B15052149-001AMB**	Sample Matrix Spike				Run: AECD.I_150528A				05/28/15 20:20
Aroclor 1254	0.670	mg/kg-dry	0.020	43	62	126			S
Surr: Decachlorobiphenyl			0.0020	94	50	126			
Surr: Tetrachloro-m-xylene			0.0020	63	42	115			
-The low recovery for Aroclor 1254 in this matrix spike sample is attributed to a non-homogeneous sample matrix.									
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									
Lab ID: **B15052149-001ADB**	Sample Matrix Spike Duplicate				Run: AECD.I_150528A				05/28/15 20:48
Aroclor 1254	0.604	mg/kg-dry	0.020	26	62	126	10	40	S
Surr: Decachlorobiphenyl			0.0020	94	50	126			
Surr: Tetrachloro-m-xylene			0.0020	62	42	115			
-The low recovery for Aroclor 1254 in this matrix spike sample is attributed to a non-homogeneous sample matrix.									
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									
Lab ID: **B15052149-001ADUP**	Sample Duplicate				Run: AECD.I_150528A				05/29/15 15:36
Aroclor 1016	ND	mg/kg-dry	0.020					40	
Aroclor 1221	ND	mg/kg-dry	0.041					40	
Aroclor 1232	ND	mg/kg-dry	0.020					40	
Aroclor 1242	ND	mg/kg-dry	0.020					40	
Aroclor 1248	ND	mg/kg-dry	0.020					40	
Aroclor 1254	0.157	mg/kg-dry	0.020				100	40	R
Aroclor 1260	ND	mg/kg-dry	0.020					40	
Aroclor 1262	ND	mg/kg-dry	0.020					40	
Aroclor 1268	ND	mg/kg-dry	0.020					40	
Surr: Decachlorobiphenyl			0.0020	98	50	126			
Surr: Tetrachloro-m-xylene			0.0020	60	42	115			
- The higher than normal Relative Percent Difference (RPD) is attributed to a non-homogeneous sample matrix.									
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
R - RPD exceeds advisory limit.
S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: NewFields
Report Date: 06/02/15
Project: Stimson Mill #350.0033
Work Order: B15052149

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8082									Batch: 89959
Lab ID: B15052149-001AMB2	Sample Matrix Spike				Run: AECD.I_150528A				05/29/15 16:04
Aroclor 1254	0.610	mg/kg-dry	0.020	113	62	126			
Surr: Decachlorobiphenyl			0.0020	98	50	126			
Surr: Tetrachloro-m-xylene			0.0020	63	42	115			
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									
Lab ID: B15052149-001ADB2	Sample Matrix Spike Duplicate				Run: AECD.I_150528A				05/29/15 16:32
Aroclor 1254	0.636	mg/kg-dry	0.021	118	62	126	4.2	40	
Surr: Decachlorobiphenyl			0.0021	101	50	126			
Surr: Tetrachloro-m-xylene			0.0021	63	42	115			
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Work Order Receipt Checklist

NewFields

B15052149

Login completed by: Leslie S. Cadreau
Date Received: 5/28/2015
Reviewed by: BL2000\jmueller
Received by: dlf
Reviewed Date: 5/28/2015
Carrier name: Return-UPS Ground

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Applicable ☐
Container/Temp Blank temperature:	2.5°C On Ice		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Contact and Corrective Action Comments:

None

Chain of Custody and Analytical Request Record

RUSH Please

Page 1 of 2

PLEASE PRINT (Provide as much information as possible.)

Company Name: Newfields	Project Name, PWS, Permit, Etc.: Stimson Mill 350.0033	Sample Origin State:	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address (Required):	Contact Name: Tyler Etzel Phone/Fax: 406 549 8270	Cell:	Sampler: (Please Print) Louise Spencer
☒ No Hard Copy Email: tetzel@newfields.com	Invoice Contact & Phone: Donna McCammon Same as above	Purchase Order:	Quote/Bottle Order: 91586
Invoice Address (Required):			
☒ No Hard Copy Email: dmccammon@newfields.com			

Special Report/Formats:
☐ DW ☐ EDD/EDT (Electronic Data)
☐ POTW/WWTP Format: _____
☐ State: _____ ☐ LEVEL IV
☐ Other: _____ ☐ NELAC

Number of Containers
Sample Type: A Air W Water S Soils/Solids V Vegetation B Bioassay O Other D DW - Drinking Water

ANALYSIS REQUESTED

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	PCBs Method 8082	SEE ATTACHED	Standard Turnaround (TAT)	RUSH	Comments	LABORATORY USE ONLY
1 TP1-1 (5')	5/27/15	815	S	X			X	Please RUSH B150521149 3 day rush per Sharie L.	-001
2 TP1-2 (10')		830	S	X			X		-002
3 TP1-3 (15')		845	S	X			X		-003
4 TP2-1 (5')		1330	S	X			X		-004
5 TP2-2 (10')		1335	S	X			X		-005
6 TP2-3 (15')		1340	S	X			X		-006
7 TP3-1 (5')		940	S	X			X		-007
8 TP3-2 (10')		950	S	X			X		-008
9 TP3-3 (15')		1010	S	X			X		-009
10 TP4-Inside tank		1345	S	X			X		-010

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Shipped by: Rtn UPS Grnd
Cooler ID(s): TB
Receipt Temp: 2.5 °C
On Ice: Y N
Custody Seal: On Bottle Y N On Cooler Y N
Intact: Y N
Signature Match: Y N

Custody Record MUST be Signed

	Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
	Louise Spencer	5/27/15 1600				
	Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
				Received by Laboratory:	Date/Time:	Signature:
					5/28/15 0930	

Sample Disposal: Return to Client: _____ Lab Disposal: _____

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.
This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.
Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

Chain of Custody and Analytical Request Record

RUSH Please

PLEASE PRINT (Provide as much information as possible.)

Company Name: Newfields

Report Mail Address (Required):

☒ No Hard Copy Email: tetzel@newfields.com

Invoice Address (Required):

☒ No Hard Copy Email: dmccammon@newfields.com

Special Report/Formats:
☐ DW ☐ POTW/WWTP ☐ State: ____ ☐ Other: ____
☐ EDD/EDT (Electronic Data) Format: ____ ☐ LEVEL IV ☐ NELAC

Project Name, PWS, Permit, Etc.: Stimson 350.0033

Contact Name: Tyler Etzel

Phone/Fax: 4065498270

Cell: —

Invoice Contact & Phone: Donna McCammon same as above

Sample Origin State: MT

EPA/State Compliance: Yes ☐ No ☐

Sampler: (Please Print) Louise Spencer

Purchase Order:

Quote/Bottle Order: 91586

ANALYSIS REQUESTED

Number of Containers
Sample Type: A W S V B O DW
Air Water Soils/Solids Vegetation Bioassay Other DW - Drinking Water

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	PCBs 8082 Method	SEE ATTACHED	Standard Turnaround (TAT)	RUSH	Comments:	LABORATORY USE ONLY
1 TP5-1 (5')	5/27/15	1210	S	X			X	B15052149	-011
2 TP5-2 (10')		1215	S	X			X		-012
3 TP5-3 (15')		1225	S	X			X		-013
4 TP6-1 (5')		1045	S	X			X		-014
5 TP6-2 (10')		1100	S	X			X		-015
6 TP6-3 (15')		1105	S	X			X		-016
7 TP7-1 (5')		1425	S	X			X		-017
8 TP7-2 (10')		1430	S	X			X		-018
9 TP7-3 (13')		1440	S	X			X		-019
10									

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Shipped by: Rim UPS Ground

Cooler ID(s): TB

Receipt Temp: 2.5 °C

On Ice: (Y) N

Custody Seal: On Bottle Y (N) · On Cooler (Y) N · Intact (Y) N · Signature Match (Y) N

Custody Record MUST be Signed

Relinquished by (print): Louise Spencer Date/Time: 5/27/15 1600 Signature:

Relinquished by (print): Date/Time: Signature:

Received by (print): Date/Time: Signature:

Received by (print): Date/Time: Signature:

Received by Laboratory: 5/28/15 0930

Sample Disposal: Return to Client: ____ Lab Disposal: ____

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

APPENDIX F

June 2015 Soil Boring Analytical Results

ANALYTICAL SUMMARY REPORT

June 17, 2015

NewFields
1120 Cedar St
Missoula, MT 59802-3911

Work Order: B15060856

Project Name: Stimson 350.0033.005

Energy Laboratories Inc Billings MT received the following 20 samples for NewFields on 6/9/2015 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B15060856-001	CB1B-1	06/04/15 16:20	06/09/15	Soil	Moisture Moisture Prep 8082 - Polychlorinated Biphenyls (PCB's) Percent Moisture Sonication Extraction
B15060856-002	CB1B-3 at 19-22 Feet	06/04/15 16:50	06/09/15	Soil	Same As Above
B15060856-003	CB1B-4 at 23-24 Feet	06/04/15 18:30	06/09/15	Soil	Same As Above
B15060856-004	CB1B-5 at 26-27 Feet	06/04/15 18:30	06/09/15	Soil	Same As Above
B15060856-005	CB5-3 at 8 Feet	06/04/15 10:10	06/09/15	Soil	Same As Above
B15060856-006	CB5-5	06/04/15 11:30	06/09/15	Soil	Same As Above
B15060856-007	CB5-8	06/04/15 13:00	06/09/15	Soil	Same As Above
B15060856-008	CB5-9	06/04/15 13:00	06/09/15	Soil	Same As Above
B15060856-009	CB6-1	06/05/15 11:40	06/09/15	Soil	Same As Above
B15060856-010	CB6-2	06/05/15 12:05	06/09/15	Soil	Same As Above
B15060856-011	CB6-3	06/05/15 12:30	06/09/15	Soil	Same As Above
B15060856-012	CB6-5	06/05/15 12:40	06/09/15	Soil	Same As Above
B15060856-013	CB7-1	06/05/15 13:30	06/09/15	Soil	Same As Above
B15060856-014	CB7-2	06/05/15 13:40	06/09/15	Soil	Same As Above
B15060856-015	CB7-3	06/05/15 14:00	06/09/15	Soil	Same As Above
B15060856-016	CB7-4	06/05/15 14:05	06/09/15	Soil	Same As Above
B15060856-017	CB8-1	06/05/15 15:10	06/09/15	Soil	Same As Above
B15060856-018	CB8-2	06/05/15 15:15	06/09/15	Soil	Same As Above
B15060856-019	CB8-3	06/05/15 16:00	06/09/15	Soil	Same As Above
B15060856-020	CB8-4	06/05/15 16:20	06/09/15	Soil	Same As Above

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033.005
Lab ID: B15060856-001
Client Sample ID: CB1B-1

Report Date: 06/17/15
Collection Date: 06/04/15 16:20
DateReceived: 06/09/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	45	wt%		0.2		SW3550A	06/10/15 08:13 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		31		SW8082	06/11/15 08:07 / jem
Aroclor 1221	ND	mg/kg-dry		62		SW8082	06/11/15 08:07 / jem
Aroclor 1232	ND	mg/kg-dry		31		SW8082	06/11/15 08:07 / jem
Aroclor 1242	ND	mg/kg-dry		31		SW8082	06/11/15 08:07 / jem
Aroclor 1248	ND	mg/kg-dry		31		SW8082	06/11/15 08:07 / jem
Aroclor 1254	352	mg/kg-dry		31		SW8082	06/11/15 08:07 / jem
Aroclor 1260	ND	mg/kg-dry		31		SW8082	06/11/15 08:07 / jem
Aroclor 1262	ND	mg/kg-dry		31		SW8082	06/11/15 08:07 / jem
Aroclor 1268	ND	mg/kg-dry		31		SW8082	06/11/15 08:07 / jem
Surr: Decachlorobiphenyl	0	%REC	O	50-126		SW8082	06/11/15 08:07 / jem
Surr: Tetrachloro-m-xylene	70.0	%REC		42-115		SW8082	06/10/15 18:37 / jem

-The Reporting Limits reflect a 1000 times dilution due to the level of Aroclor 1254 detected in the sample.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
O - Diluted out.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033.005
Lab ID: B15060856-002
Client Sample ID: CB1B-3 at 19-22 Feet

Report Date: 06/17/15
Collection Date: 06/04/15 16:50
DateReceived: 06/09/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	20	wt%		0.2		SW3550A	06/10/15 08:29 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		106		SW8082	06/11/15 16:34 / jem
Aroclor 1221	ND	mg/kg-dry		211		SW8082	06/11/15 16:34 / jem
Aroclor 1232	ND	mg/kg-dry		106		SW8082	06/11/15 16:34 / jem
Aroclor 1242	ND	mg/kg-dry		106		SW8082	06/11/15 16:34 / jem
Aroclor 1248	ND	mg/kg-dry		106		SW8082	06/11/15 16:34 / jem
Aroclor 1254	294	mg/kg-dry		106		SW8082	06/11/15 16:34 / jem
Aroclor 1260	ND	mg/kg-dry		106		SW8082	06/11/15 16:34 / jem
Aroclor 1262	ND	mg/kg-dry		106		SW8082	06/11/15 16:34 / jem
Aroclor 1268	ND	mg/kg-dry		106		SW8082	06/11/15 16:34 / jem
Surr: Decachlorobiphenyl	0	%REC	O	50-126		SW8082	06/11/15 16:34 / jem
Surr: Tetrachloro-m-xylene	82.0	%REC		42-115		SW8082	06/10/15 23:04 / jem

-The Reporting Limits reflect a 5000 times dilution due to the level of Aroclor 1254 detected in the sample. The Aroclor 1254 pattern detected in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
O - Diluted out.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033.005
Lab ID: B15060856-003
Client Sample ID: CB1B-4 at 23-24 Feet

Report Date: 06/17/15
Collection Date: 06/04/15 18:30
DateReceived: 06/09/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	16	wt%		0.2		SW3550A	06/10/15 08:43 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		20		SW8082	06/11/15 08:34 / jem
Aroclor 1221	ND	mg/kg-dry		40		SW8082	06/11/15 08:34 / jem
Aroclor 1232	ND	mg/kg-dry		20		SW8082	06/11/15 08:34 / jem
Aroclor 1242	ND	mg/kg-dry		20		SW8082	06/11/15 08:34 / jem
Aroclor 1248	ND	mg/kg-dry		20		SW8082	06/11/15 08:34 / jem
Aroclor 1254	297	mg/kg-dry		20		SW8082	06/11/15 08:34 / jem
Aroclor 1260	ND	mg/kg-dry		20		SW8082	06/11/15 08:34 / jem
Aroclor 1262	ND	mg/kg-dry		20		SW8082	06/11/15 08:34 / jem
Aroclor 1268	ND	mg/kg-dry		20		SW8082	06/11/15 08:34 / jem
Surr: Decachlorobiphenyl	0	%REC	O	50-126		SW8082	06/11/15 08:34 / jem
Surr: Tetrachloro-m-xylene	84.0	%REC		42-115		SW8082	06/10/15 19:04 / jem

-The Reporting Limits reflect a 1000 times dilution due to the level of Aroclor 1254 detected in the sample. The Aroclor 1254 pattern detected in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
O - Diluted out.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033.005
Lab ID: B15060856-004
Client Sample ID: CB1B-5 at 26-27 Feet

Report Date: 06/17/15
Collection Date: 06/04/15 18:30
DateReceived: 06/09/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	8.7	wt%		0.2		SW3550A	06/10/15 08:48 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		19		SW8082	06/11/15 09:00 / jem
Aroclor 1221	ND	mg/kg-dry		37		SW8082	06/11/15 09:00 / jem
Aroclor 1232	ND	mg/kg-dry		19		SW8082	06/11/15 09:00 / jem
Aroclor 1242	ND	mg/kg-dry		19		SW8082	06/11/15 09:00 / jem
Aroclor 1248	ND	mg/kg-dry		19		SW8082	06/11/15 09:00 / jem
Aroclor 1254	758	mg/kg-dry		19		SW8082	06/11/15 09:00 / jem
Aroclor 1260	ND	mg/kg-dry		19		SW8082	06/11/15 09:00 / jem
Aroclor 1262	ND	mg/kg-dry		19		SW8082	06/11/15 09:00 / jem
Aroclor 1268	ND	mg/kg-dry		19		SW8082	06/11/15 09:00 / jem
Surr: Decachlorobiphenyl	0	%REC	O	50-126		SW8082	06/11/15 09:00 / jem
Surr: Tetrachloro-m-xylene	71.0	%REC		42-115		SW8082	06/10/15 19:30 / jem

-The Reporting Limits reflect a 1000 times dilution due to the level of Aroclor 1254 detected in the sample.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
O - Diluted out.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033.005
Lab ID: B15060856-005
Client Sample ID: CB5-3 at 8 Feet

Report Date: 06/17/15
Collection Date: 06/04/15 10:10
DateReceived: 06/09/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	10	wt%		0.2		SW3550A	06/10/15 08:49 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		189		SW8082	06/11/15 13:54 / jem
Aroclor 1221	ND	mg/kg-dry		379		SW8082	06/11/15 13:54 / jem
Aroclor 1232	ND	mg/kg-dry		189		SW8082	06/11/15 13:54 / jem
Aroclor 1242	ND	mg/kg-dry		189		SW8082	06/11/15 13:54 / jem
Aroclor 1248	ND	mg/kg-dry		189		SW8082	06/11/15 13:54 / jem
Aroclor 1254	4460	mg/kg-dry		189		SW8082	06/11/15 13:54 / jem
Aroclor 1260	ND	mg/kg-dry		189		SW8082	06/11/15 13:54 / jem
Aroclor 1262	ND	mg/kg-dry		189		SW8082	06/11/15 13:54 / jem
Aroclor 1268	ND	mg/kg-dry		189		SW8082	06/11/15 13:54 / jem
Surr: Decachlorobiphenyl	0	%REC	O	50-126		SW8082	06/11/15 13:54 / jem
Surr: Tetrachloro-m-xylene	72.0	%REC		42-115		SW8082	06/10/15 19:57 / jem

-The Reporting Limits reflect a 10,000 times dilution due to the level of Aroclor 1254 detected in the sample.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
O - Diluted out.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033.005
Lab ID: B15060856-006
Client Sample ID: CB5-5

Report Date: 06/17/15
Collection Date: 06/04/15 11:30
DateReceived: 06/09/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	8.9	wt%		0.2		SW3550A	06/10/15 09:01 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		187		SW8082	06/11/15 14:20 / jem
Aroclor 1221	ND	mg/kg-dry		374		SW8082	06/11/15 14:20 / jem
Aroclor 1232	ND	mg/kg-dry		187		SW8082	06/11/15 14:20 / jem
Aroclor 1242	ND	mg/kg-dry		187		SW8082	06/11/15 14:20 / jem
Aroclor 1248	ND	mg/kg-dry		187		SW8082	06/11/15 14:20 / jem
Aroclor 1254	2940	mg/kg-dry		187		SW8082	06/11/15 14:20 / jem
Aroclor 1260	ND	mg/kg-dry		187		SW8082	06/11/15 14:20 / jem
Aroclor 1262	ND	mg/kg-dry		187		SW8082	06/11/15 14:20 / jem
Aroclor 1268	ND	mg/kg-dry		187		SW8082	06/11/15 14:20 / jem
Surr: Decachlorobiphenyl	0	%REC	O	50-126		SW8082	06/11/15 14:20 / jem
Surr: Tetrachloro-m-xylene	80.0	%REC		42-115		SW8082	06/10/15 20:24 / jem

-The Reporting Limits reflect a 10,000 times dilution due to the level of Aroclor 1254 detected in the sample.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
O - Diluted out.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033.005
Lab ID: B15060856-007
Client Sample ID: CB5-8

Report Date: 06/17/15
Collection Date: 06/04/15 13:00
DateReceived: 06/09/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	9.5	wt%		0.2		SW3550A	06/10/15 09:07 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		38		SW8082	06/11/15 16:07 / jem
Aroclor 1221	ND	mg/kg-dry		75		SW8082	06/11/15 16:07 / jem
Aroclor 1232	ND	mg/kg-dry		38		SW8082	06/11/15 16:07 / jem
Aroclor 1242	ND	mg/kg-dry		38		SW8082	06/11/15 16:07 / jem
Aroclor 1248	ND	mg/kg-dry		38		SW8082	06/11/15 16:07 / jem
Aroclor 1254	1630	mg/kg-dry		38		SW8082	06/11/15 16:07 / jem
Aroclor 1260	ND	mg/kg-dry		38		SW8082	06/11/15 16:07 / jem
Aroclor 1262	ND	mg/kg-dry		38		SW8082	06/11/15 16:07 / jem
Aroclor 1268	ND	mg/kg-dry		38		SW8082	06/11/15 16:07 / jem
Surr: Decachlorobiphenyl	0	%REC	O	50-126		SW8082	06/11/15 16:07 / jem
Surr: Tetrachloro-m-xylene	88.0	%REC		42-115		SW8082	06/10/15 20:51 / jem

-The Reporting Limits reflect a 2000 times dilution due to the level of Aroclor 1254 detected in the sample.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
O - Diluted out.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033.005
Lab ID: B15060856-008
Client Sample ID: CB5-9

Report Date: 06/17/15
Collection Date: 06/04/15 13:00
DateReceived: 06/09/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	8.2	wt%		0.2		SW3550A	06/10/15 09:17 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.093		SW8082	06/11/15 10:47 / jem
Aroclor 1221	ND	mg/kg-dry		0.19		SW8082	06/11/15 10:47 / jem
Aroclor 1232	ND	mg/kg-dry		0.093		SW8082	06/11/15 10:47 / jem
Aroclor 1242	ND	mg/kg-dry		0.093		SW8082	06/11/15 10:47 / jem
Aroclor 1248	ND	mg/kg-dry		0.093		SW8082	06/11/15 10:47 / jem
Aroclor 1254	2.8	mg/kg-dry		0.093		SW8082	06/11/15 10:47 / jem
Aroclor 1260	ND	mg/kg-dry		0.093		SW8082	06/11/15 10:47 / jem
Aroclor 1262	ND	mg/kg-dry		0.093		SW8082	06/11/15 10:47 / jem
Aroclor 1268	ND	mg/kg-dry		0.093		SW8082	06/11/15 10:47 / jem
Surr: Decachlorobiphenyl	113	%REC		50-126		SW8082	06/11/15 10:47 / jem
Surr: Tetrachloro-m-xylene	76.0	%REC		42-115		SW8082	06/11/15 10:47 / jem

-The Reporting Limits reflect a 5 times dilution due to the level of Aroclor 1254 detected in the sample.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033.005
Lab ID: B15060856-009
Client Sample ID: CB6-1

Report Date: 06/17/15
Collection Date: 06/05/15 11:40
DateReceived: 06/09/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	17	wt%		0.2		SW3550A	06/10/15 09:21 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.020		SW8082	06/11/15 22:22 / jem
Aroclor 1221	ND	mg/kg-dry		0.041		SW8082	06/11/15 22:22 / jem
Aroclor 1232	ND	mg/kg-dry		0.020		SW8082	06/11/15 22:22 / jem
Aroclor 1242	ND	mg/kg-dry		0.020		SW8082	06/11/15 22:22 / jem
Aroclor 1248	ND	mg/kg-dry		0.020		SW8082	06/11/15 22:22 / jem
Aroclor 1254	0.62	mg/kg-dry		0.020		SW8082	06/11/15 22:22 / jem
Aroclor 1260	ND	mg/kg-dry		0.020		SW8082	06/11/15 22:22 / jem
Aroclor 1262	ND	mg/kg-dry		0.020		SW8082	06/11/15 22:22 / jem
Aroclor 1268	ND	mg/kg-dry		0.020		SW8082	06/11/15 22:22 / jem
Surr: Decachlorobiphenyl	109	%REC		50-126		SW8082	06/11/15 22:22 / jem
Surr: Tetrachloro-m-xylene	76.0	%REC		42-115		SW8082	06/11/15 22:22 / jem

- The Aroclor 1254 pattern detected in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033.005
Lab ID: B15060856-010
Client Sample ID: CB6-2

Report Date: 06/17/15
Collection Date: 06/05/15 12:05
DateReceived: 06/09/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	8.0	wt%		0.2		SW3550A	06/10/15 09:28 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.018		SW8082	06/11/15 22:49 / jem
Aroclor 1221	ND	mg/kg-dry		0.037		SW8082	06/11/15 22:49 / jem
Aroclor 1232	ND	mg/kg-dry		0.018		SW8082	06/11/15 22:49 / jem
Aroclor 1242	ND	mg/kg-dry		0.018		SW8082	06/11/15 22:49 / jem
Aroclor 1248	ND	mg/kg-dry		0.018		SW8082	06/11/15 22:49 / jem
Aroclor 1254	0.085	mg/kg-dry		0.018		SW8082	06/11/15 22:49 / jem
Aroclor 1260	ND	mg/kg-dry		0.018		SW8082	06/11/15 22:49 / jem
Aroclor 1262	ND	mg/kg-dry		0.018		SW8082	06/11/15 22:49 / jem
Aroclor 1268	ND	mg/kg-dry		0.018		SW8082	06/11/15 22:49 / jem
Surr: Decachlorobiphenyl	105	%REC		50-126		SW8082	06/11/15 22:49 / jem
Surr: Tetrachloro-m-xylene	66.0	%REC		42-115		SW8082	06/11/15 22:49 / jem

- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033.005
Lab ID: B15060856-011
Client Sample ID: CB6-3

Report Date: 06/17/15
Collection Date: 06/05/15 12:30
DateReceived: 06/09/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	6.2	wt%		0.2		SW3550A	06/10/15 09:33 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.018		SW8082	06/11/15 23:15 / jem
Aroclor 1221	ND	mg/kg-dry		0.036		SW8082	06/11/15 23:15 / jem
Aroclor 1232	ND	mg/kg-dry		0.018		SW8082	06/11/15 23:15 / jem
Aroclor 1242	ND	mg/kg-dry		0.018		SW8082	06/11/15 23:15 / jem
Aroclor 1248	ND	mg/kg-dry		0.018		SW8082	06/11/15 23:15 / jem
Aroclor 1254	0.55	mg/kg-dry		0.018		SW8082	06/11/15 23:15 / jem
Aroclor 1260	ND	mg/kg-dry		0.018		SW8082	06/11/15 23:15 / jem
Aroclor 1262	ND	mg/kg-dry		0.018		SW8082	06/11/15 23:15 / jem
Aroclor 1268	ND	mg/kg-dry		0.018		SW8082	06/11/15 23:15 / jem
Surr: Decachlorobiphenyl	117	%REC		50-126		SW8082	06/11/15 23:15 / jem
Surr: Tetrachloro-m-xylene	70.0	%REC		42-115		SW8082	06/11/15 23:15 / jem

- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033.005
Lab ID: B15060856-012
Client Sample ID: CB6-5

Report Date: 06/17/15
Collection Date: 06/05/15 12:40
DateReceived: 06/09/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	5.7	wt%		0.2		SW3550A	06/10/15 09:40 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.018		SW8082	06/11/15 01:44 / jem
Aroclor 1221	ND	mg/kg-dry		0.036		SW8082	06/11/15 01:44 / jem
Aroclor 1232	ND	mg/kg-dry		0.018		SW8082	06/11/15 01:44 / jem
Aroclor 1242	ND	mg/kg-dry		0.018		SW8082	06/11/15 01:44 / jem
Aroclor 1248	ND	mg/kg-dry		0.018		SW8082	06/11/15 01:44 / jem
Aroclor 1254	0.69	mg/kg-dry		0.018		SW8082	06/11/15 01:44 / jem
Aroclor 1260	ND	mg/kg-dry		0.018		SW8082	06/11/15 01:44 / jem
Aroclor 1262	ND	mg/kg-dry		0.018		SW8082	06/11/15 01:44 / jem
Aroclor 1268	ND	mg/kg-dry		0.018		SW8082	06/11/15 01:44 / jem
Surr: Decachlorobiphenyl	107	%REC		50-126		SW8082	06/11/15 01:44 / jem
Surr: Tetrachloro-m-xylene	76.0	%REC		42-115		SW8082	06/11/15 01:44 / jem

- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033.005
Lab ID: B15060856-013
Client Sample ID: CB7-1

Report Date: 06/17/15
Collection Date: 06/05/15 13:30
DateReceived: 06/09/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	12	wt%		0.2		SW3550A	06/10/15 09:46 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.38		SW8082	06/11/15 12:33 / jem
Aroclor 1221	ND	mg/kg-dry		0.77		SW8082	06/11/15 12:33 / jem
Aroclor 1232	ND	mg/kg-dry		0.38		SW8082	06/11/15 12:33 / jem
Aroclor 1242	ND	mg/kg-dry		0.38		SW8082	06/11/15 12:33 / jem
Aroclor 1248	ND	mg/kg-dry		0.38		SW8082	06/11/15 12:33 / jem
Aroclor 1254	19	mg/kg-dry		0.38		SW8082	06/11/15 12:33 / jem
Aroclor 1260	ND	mg/kg-dry		0.38		SW8082	06/11/15 12:33 / jem
Aroclor 1262	ND	mg/kg-dry		0.38		SW8082	06/11/15 12:33 / jem
Aroclor 1268	ND	mg/kg-dry		0.38		SW8082	06/11/15 12:33 / jem
Surr: Decachlorobiphenyl	129	%REC	S	50-126		SW8082	06/11/15 12:33 / jem
Surr: Tetrachloro-m-xylene	89.0	%REC		42-115		SW8082	06/11/15 12:33 / jem

-The Reporting Limits reflect a 20 times dilution due to the level of Aroclor 1254 detected in the sample. The Aroclor 1254 pattern detected in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
S - Spike recovery outside of advisory limits.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033.005
Lab ID: B15060856-014
Client Sample ID: CB7-2

Report Date: 06/17/15
Collection Date: 06/05/15 13:40
DateReceived: 06/09/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	10	wt%		0.2		SW3550A	06/10/15 09:55 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.093		SW8082	06/11/15 13:00 / jem
Aroclor 1221	ND	mg/kg-dry		0.19		SW8082	06/11/15 13:00 / jem
Aroclor 1232	ND	mg/kg-dry		0.093		SW8082	06/11/15 13:00 / jem
Aroclor 1242	ND	mg/kg-dry		0.093		SW8082	06/11/15 13:00 / jem
Aroclor 1248	ND	mg/kg-dry		0.093		SW8082	06/11/15 13:00 / jem
Aroclor 1254	2.9	mg/kg-dry		0.093		SW8082	06/11/15 13:00 / jem
Aroclor 1260	ND	mg/kg-dry		0.093		SW8082	06/11/15 13:00 / jem
Aroclor 1262	ND	mg/kg-dry		0.093		SW8082	06/11/15 13:00 / jem
Aroclor 1268	ND	mg/kg-dry		0.093		SW8082	06/11/15 13:00 / jem
Surr: Decachlorobiphenyl	127	%REC	S	50-126		SW8082	06/11/15 13:00 / jem
Surr: Tetrachloro-m-xylene	72.0	%REC		42-115		SW8082	06/11/15 13:00 / jem

-The Reporting Limits reflect a 5 times dilution due to the level of Aroclor 1254 detected in the sample. The Aroclor 1254 pattern detected in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
S - Spike recovery outside of advisory limits.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033.005
Lab ID: B15060856-015
Client Sample ID: CB7-3

Report Date: 06/17/15
Collection Date: 06/05/15 14:00
DateReceived: 06/09/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	11	wt%		0.2		SW3550A	06/10/15 10:01 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.19		SW8082	06/11/15 13:27 / jem
Aroclor 1221	ND	mg/kg-dry		0.38		SW8082	06/11/15 13:27 / jem
Aroclor 1232	ND	mg/kg-dry		0.19		SW8082	06/11/15 13:27 / jem
Aroclor 1242	ND	mg/kg-dry		0.19		SW8082	06/11/15 13:27 / jem
Aroclor 1248	ND	mg/kg-dry		0.19		SW8082	06/11/15 13:27 / jem
Aroclor 1254	4.4	mg/kg-dry		0.19		SW8082	06/11/15 13:27 / jem
Aroclor 1260	ND	mg/kg-dry		0.19		SW8082	06/11/15 13:27 / jem
Aroclor 1262	ND	mg/kg-dry		0.19		SW8082	06/11/15 13:27 / jem
Aroclor 1268	ND	mg/kg-dry		0.19		SW8082	06/11/15 13:27 / jem
Surr: Decachlorobiphenyl	123	%REC		50-126		SW8082	06/11/15 13:27 / jem
Surr: Tetrachloro-m-xylene	69.0	%REC		42-115		SW8082	06/11/15 13:27 / jem

-The Reporting Limits reflect a 10 times dilution due to the level of Aroclor 1254 detected in the sample.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033.005
Lab ID: B15060856-016
Client Sample ID: CB7-4

Report Date: 06/17/15
Collection Date: 06/05/15 14:05
DateReceived: 06/09/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	10	wt%		0.2		SW3550A	06/10/15 10:06 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.019		SW8082	06/11/15 23:42 / jem
Aroclor 1221	ND	mg/kg-dry		0.038		SW8082	06/11/15 23:42 / jem
Aroclor 1232	ND	mg/kg-dry		0.019		SW8082	06/11/15 23:42 / jem
Aroclor 1242	ND	mg/kg-dry		0.019		SW8082	06/11/15 23:42 / jem
Aroclor 1248	ND	mg/kg-dry		0.019		SW8082	06/11/15 23:42 / jem
Aroclor 1254	0.60	mg/kg-dry		0.019		SW8082	06/11/15 23:42 / jem
Aroclor 1260	ND	mg/kg-dry		0.019		SW8082	06/11/15 23:42 / jem
Aroclor 1262	ND	mg/kg-dry		0.019		SW8082	06/11/15 23:42 / jem
Aroclor 1268	ND	mg/kg-dry		0.019		SW8082	06/11/15 23:42 / jem
Surr: Decachlorobiphenyl	115	%REC		50-126		SW8082	06/11/15 23:42 / jem
Surr: Tetrachloro-m-xylene	75.0	%REC		42-115		SW8082	06/11/15 23:42 / jem

- The Aroclor 1254 pattern detected in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033.005
Lab ID: B15060856-017
Client Sample ID: CB8-1

Report Date: 06/17/15
Collection Date: 06/05/15 15:10
DateReceived: 06/09/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	8.5	wt%		0.2		SW3550A	06/10/15 10:10 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.018		SW8082	06/11/15 03:58 / jem
Aroclor 1221	ND	mg/kg-dry		0.037		SW8082	06/11/15 03:58 / jem
Aroclor 1232	ND	mg/kg-dry		0.018		SW8082	06/11/15 03:58 / jem
Aroclor 1242	ND	mg/kg-dry		0.018		SW8082	06/11/15 03:58 / jem
Aroclor 1248	ND	mg/kg-dry		0.018		SW8082	06/11/15 03:58 / jem
Aroclor 1254	0.44	mg/kg-dry		0.018		SW8082	06/11/15 03:58 / jem
Aroclor 1260	ND	mg/kg-dry		0.018		SW8082	06/11/15 03:58 / jem
Aroclor 1262	ND	mg/kg-dry		0.018		SW8082	06/11/15 03:58 / jem
Aroclor 1268	ND	mg/kg-dry		0.018		SW8082	06/11/15 03:58 / jem
Surr: Decachlorobiphenyl	138	%REC	S	50-126		SW8082	06/11/15 03:58 / jem
Surr: Tetrachloro-m-xylene	75.0	%REC		42-115		SW8082	06/11/15 03:58 / jem

- The Aroclor 1254 pattern detected in this sample was significantly degraded. The high percent recovery of Decachlorobiphenyl is attributed to co-eluting interference.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
S - Spike recovery outside of advisory limits.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033.005
Lab ID: B15060856-018
Client Sample ID: CB8-2

Report Date: 06/17/15
Collection Date: 06/05/15 15:15
DateReceived: 06/09/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	5.0	wt%		0.2		SW3550A	06/10/15 10:19 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.018		SW8082	06/11/15 04:25 / jem
Aroclor 1221	ND	mg/kg-dry		0.036		SW8082	06/11/15 04:25 / jem
Aroclor 1232	ND	mg/kg-dry		0.018		SW8082	06/11/15 04:25 / jem
Aroclor 1242	ND	mg/kg-dry		0.018		SW8082	06/11/15 04:25 / jem
Aroclor 1248	ND	mg/kg-dry		0.018		SW8082	06/11/15 04:25 / jem
Aroclor 1254	0.030	mg/kg-dry		0.018		SW8082	06/11/15 04:25 / jem
Aroclor 1260	ND	mg/kg-dry		0.018		SW8082	06/11/15 04:25 / jem
Aroclor 1262	ND	mg/kg-dry		0.018		SW8082	06/11/15 04:25 / jem
Aroclor 1268	ND	mg/kg-dry		0.018		SW8082	06/11/15 04:25 / jem
Surr: Decachlorobiphenyl	111	%REC		50-126		SW8082	06/11/15 04:25 / jem
Surr: Tetrachloro-m-xylene	76.0	%REC		42-115		SW8082	06/11/15 04:25 / jem

- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033.005
Lab ID: B15060856-019
Client Sample ID: CB8-3

Report Date: 06/17/15
Collection Date: 06/05/15 16:00
DateReceived: 06/09/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	7.4	wt%		0.2		SW3550A	06/10/15 10:28 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.018		SW8082	06/11/15 04:51 / jem
Aroclor 1221	ND	mg/kg-dry		0.036		SW8082	06/11/15 04:51 / jem
Aroclor 1232	ND	mg/kg-dry		0.018		SW8082	06/11/15 04:51 / jem
Aroclor 1242	ND	mg/kg-dry		0.018		SW8082	06/11/15 04:51 / jem
Aroclor 1248	ND	mg/kg-dry		0.018		SW8082	06/11/15 04:51 / jem
Aroclor 1254	0.12	mg/kg-dry		0.018		SW8082	06/11/15 04:51 / jem
Aroclor 1260	ND	mg/kg-dry		0.018		SW8082	06/11/15 04:51 / jem
Aroclor 1262	ND	mg/kg-dry		0.018		SW8082	06/11/15 04:51 / jem
Aroclor 1268	ND	mg/kg-dry		0.018		SW8082	06/11/15 04:51 / jem
Surr: Decachlorobiphenyl	112	%REC		50-126		SW8082	06/11/15 04:51 / jem
Surr: Tetrachloro-m-xylene	71.0	%REC		42-115		SW8082	06/11/15 04:51 / jem

- The Aroclor 1254 pattern detected in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033.005
Lab ID: B15060856-020
Client Sample ID: CB8-4

Report Date: 06/17/15
Collection Date: 06/05/15 16:20
DateReceived: 06/09/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	10	wt%		0.2		SW3550A	06/10/15 10:30 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.019		SW8082	06/11/15 05:18 / jem
Aroclor 1221	ND	mg/kg-dry		0.038		SW8082	06/11/15 05:18 / jem
Aroclor 1232	ND	mg/kg-dry		0.019		SW8082	06/11/15 05:18 / jem
Aroclor 1242	ND	mg/kg-dry		0.019		SW8082	06/11/15 05:18 / jem
Aroclor 1248	ND	mg/kg-dry		0.019		SW8082	06/11/15 05:18 / jem
Aroclor 1254	0.17	mg/kg-dry		0.019		SW8082	06/11/15 05:18 / jem
Aroclor 1260	ND	mg/kg-dry		0.019		SW8082	06/11/15 05:18 / jem
Aroclor 1262	ND	mg/kg-dry		0.019		SW8082	06/11/15 05:18 / jem
Aroclor 1268	ND	mg/kg-dry		0.019		SW8082	06/11/15 05:18 / jem
Surr: Decachlorobiphenyl	105	%REC		50-126		SW8082	06/11/15 05:18 / jem
Surr: Tetrachloro-m-xylene	67.0	%REC		42-115		SW8082	06/11/15 05:18 / jem

- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: NewFields
Report Date: 06/17/15
Project: Stimson 350.0033.005
Work Order: B15060856

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8082									Batch: 90317
Lab ID: MB-90317	Method Blank				Run: HECD.I_150610A				06/10/15 17:17
Aroclor 1016	ND	mg/kg	0.017						
Aroclor 1221	ND	mg/kg	0.033						
Aroclor 1232	ND	mg/kg	0.017						
Aroclor 1242	ND	mg/kg	0.017						
Aroclor 1248	ND	mg/kg	0.017						
Aroclor 1254	ND	mg/kg	0.017						
Aroclor 1260	ND	mg/kg	0.017						
Aroclor 1262	ND	mg/kg	0.017						
Aroclor 1268	ND	mg/kg	0.017						
Surr: Decachlorobiphenyl			0.0017	99	50	126			
Surr: Tetrachloro-m-xylene			0.0017	63	42	115			
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									
Lab ID: AR1254-90317	Laboratory Control Sample				Run: HECD.I_150610A				06/10/15 17:44
Aroclor 1254	0.343	mg/kg	0.017	103	62	126			
Surr: Decachlorobiphenyl			0.0017	101	50	126			
Surr: Tetrachloro-m-xylene			0.0017	62	42	115			
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									
Lab ID: B15060856-002AMB	Sample Duplicate				Run: HECD.I_150610A				06/11/15 17:01
Aroclor 1016	ND	mg/kg-dry	110					40	
Aroclor 1221	ND	mg/kg-dry	210					40	
Aroclor 1232	ND	mg/kg-dry	110					40	
Aroclor 1242	ND	mg/kg-dry	110					40	
Aroclor 1248	ND	mg/kg-dry	110					40	
Aroclor 1254	289	mg/kg-dry	110				1.7	40	
Aroclor 1260	ND	mg/kg-dry	110					40	
Aroclor 1262	ND	mg/kg-dry	110					40	
Aroclor 1268	ND	mg/kg-dry	110					40	
Surr: Decachlorobiphenyl			11		50	126			O
-The Reporting Limits reflect a 5000 times dilution due to the level of Aroclor 1254 detected in the sample. - Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									
Lab ID: B15060856-002ADB	Sample Duplicate				Run: HECD.I_150610A				06/11/15 17:27
Aroclor 1016	ND	mg/kg-dry	110					40	
Aroclor 1221	ND	mg/kg-dry	210					40	
Aroclor 1232	ND	mg/kg-dry	110					40	
Aroclor 1242	ND	mg/kg-dry	110					40	
Aroclor 1248	ND	mg/kg-dry	110					40	
Aroclor 1254	262	mg/kg-dry	110				11	40	
Aroclor 1260	ND	mg/kg-dry	110					40	
Aroclor 1262	ND	mg/kg-dry	110					40	
Aroclor 1268	ND	mg/kg-dry	110					40	
Surr: Decachlorobiphenyl			11		50	126			O
- Since the amount of Aroclor 1254 found in the sample was significantly higher than the spike amount, the Matrix Spike and Matrix Spike Duplicate are calculated as Duplicate samples. -The Reporting Limits reflect a 5000 times dilution due to the level of Aroclor 1254 detected in the sample. - Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
O - Diluted out.

Work Order Receipt Checklist

NewFields

B15060856

Login completed by: Randa Nees
Date Received: 6/9/2015
Reviewed by: BL2000\tedwards
Received by: lg
Reviewed Date: 6/10/2015
Carrier name: Return-UPS Ground

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Applicable ☐
Container/Temp Blank temperature:	3.1°C On Ice		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Contact and Corrective Action Comments:

None

Chain of Custody and Analytical Request Record

PLEASE PRINT (Provide as much information as possible.)

Company Name: NewFields

Project Name, PWS, Permit, Etc.: Stimson 350.0033.005

Sample Origin State: MT

EPA/State Compliance: Yes ☑ No ☐

Report Mail Address (Required): Tyler Etzel

☑ No Hard Copy Email: tetzel@newfields.com

Contact Name: Tyler Etzel Phone/Fax: (406) 549-8270 Cell: tetzel@newfields.com

Sampler: (Please Print) Ty Schmeckel

Invoice Contact & Phone:

Purchase Order:

Quote/Bottle Order:

Invoice Address (Required): Donna McCommon

☑ No Hard Copy Email: dmccommon@newfields.com

Special Report/Formats:

☐ DW ☐ EDD/EDT (Electronic Data)
☐ POTW/WWTP Format:
☐ State: ☐ LEVEL IV
☐ Other: ☐ NELAC

Number of Containers
Sample Type: A W S V B O DW
Air Water Soils/Solids
Vegetation Bioassay Other
DW - Drinking Water

ANALYSIS REQUESTED

PCBs Method 8082

SEE ATTACHED

Standard Turnaround (TAT) X

RUSH

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: Fedex

Cooler ID(s):

Receipt Temp 3.1 °C

On Ice: Y N

Custody Seal On Bottle Y N On Cooler Y N

Intact Y N

Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	PCBs Method 8082	SEE ATTACHED	Standard TAT	RUSH	Comments	LABORATORY USE ONLY
1	CB1B - 1	6/4/15	16:20	S	X		X			L6150608 56-001
2	CB1B - 3 @ 19-22'	6/4/15	16:50							002
3	CB1B - 4 @ 23-24'	6/4/15	18:30							003
4	CB1B - 5 @ 26-27'	6/4/15	18:30							004
5	CB5 - 3 @ 7'	6/4/15	10:10							005
6	CB5 - 5	6/4/15	11:30							006
7	CB5 - 8	6/4/15	13:00							007
8	CB5 - 9	6/4/15	15:00							008
9	CB6 - 1	6/5/15	11:40							009
10	CB6 - 2	6/5/15	12:05							010

Custody Record MUST be Signed

Relinquished by (print): Ty Schmeckel Date/Time: 6/8/15 16:45 Signature:

Relinquished by (print): Date/Time: Signature:

Received by (print): Date/Time: Signature:

Received by (print): Date/Time: Signature:

Received by Laboratory: Date/Time: 6-9-15 9:00 Signature:

Sample Disposal: Return to Client: Lab Disposal:

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Chain of Custody and Analytical Request Record

PLEASE PRINT (Provide as much information as possible.)

Company Name: Newfields	Project Name, PWS, Permit, Etc.: Stimson 350.033.005	Sample Origin State: MT	EPA/State Compliance: Yes ☑ No ☐
Report Mail Address: tetzel@newfields.com	Contact Name: Tyler Etzel Phone/Fax: 549 8270	Email: tetzel@newfields.com	Sampler: (Please Print) Ty Schmechel
Invoice Address: dmccammon@newfields.com	Invoice Contact & Phone: Donna McCammon	Purchase Order:	Quote/Bottle Order:

Special Report/Formats:

☐ DW ☐ POTW/WWTP ☐ State: _____ ☐ Other: _____ ☐ EDD/EDT (Electronic Data) Format: _____ ☐ LEVEL IV ☐ NELAC

Number of Containers
Sample Type: A Air W Water S Soils/Solids V Vegetation B Bioassay O Other D DW - Drinking Water

ANALYSIS REQUESTED

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	PCBs Method 8082	SEE ATTACHED	Standard Turnaround (TAT)
1 CB6-3	6/5/15	12:30	S	X		X
2 CB6-5	6/5/15	12:40				
3 CB7-1	6/5/15	13:30				
4 CB7-2	6/5/15	13:40				
5 CB7-3	6/5/15	14:00				
6 CB7-4	6/5/15	14:05				
7 CB8-1	6/5/15	15:10				
8 CB8-2	6/5/15	15:15				
9 CB8-3	6/5/15	16:00				
10 CB8-4	6/5/15	16:20				

RUSH

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: Ryen UPS GTRD

Cooler ID(s):

Receipt Temp 3.1 °C TB

On Ice: (Y) N

Custody Seal On Bottle Y (N) On Cooler (Y) N

Intact (Y) N

Signature Match (Y) N

LABORATORY USE ONLY: L1506852-01 02 03 04 05 06 07 08 09 10

Custody Record MUST be Signed

Relinquished by (print): Ty Schmechel	Date/Time: 6/8/15 1645	Signature:	Received by (print):	Date/Time: / Signature:
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time: / Signature:
Sample Disposal: Return to Client: _____ Lab Disposal: _____			Received by Laboratory:	Date/Time: 6-9-15 9:00 / Signature:

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.
This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.
Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

ANALYTICAL SUMMARY REPORT

June 18, 2015

NewFields
1120 Cedar St
Missoula, MT 59802-3911

Work Order: B15061184 Quote ID: B3097 - Stimson

Project Name: Stimson 350.0033

Energy Laboratories Inc Billings MT received the following 13 samples for NewFields on 6/11/2015 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B15061184-001	CB2B-1	06/09/15 9:17	06/11/15	Soil	Moisture Moisture Prep 8082 - Polychlorinated Biphenyls (PCB's) Percent Moisture Sonication Extraction
B15061184-002	CB2B-3	06/09/15 9:25	06/11/15	Soil	Same As Above
B15061184-003	CB2B-4	06/09/15 9:41	06/11/15	Soil	Same As Above
B15061184-004	CB2B-6	06/09/15 9:57	06/11/15	Soil	Same As Above
B15061184-005	CB4-1	06/09/15 11:25	06/11/15	Soil	Same As Above
B15061184-006	CB4-3	06/09/15 11:45	06/11/15	Soil	Same As Above
B15061184-007	CB4-4	06/09/15 11:50	06/11/15	Soil	Same As Above
B15061184-008	CB4-5	06/09/15 12:30	06/11/15	Soil	Same As Above
B15061184-009	CB4-6	06/09/15 12:35	06/11/15	Soil	Same As Above
B15061184-010	CB9-3	06/09/15 14:10	06/11/15	Soil	Same As Above
B15061184-011	CB9-4	06/09/15 14:15	06/11/15	Soil	Same As Above
B15061184-012	CB9-5	06/09/15 14:30	06/11/15	Soil	Same As Above
B15061184-013	CB9-6	06/09/15 14:35	06/11/15	Soil	Same As Above

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033
Lab ID: B15061184-001
Client Sample ID: CB2B-1

Report Date: 06/18/15
Collection Date: 06/09/15 09:17
DateReceived: 06/11/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	17	wt%		0.2		SW3550A	06/15/15 15:28 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.020		SW8082	06/16/15 03:45 / jem
Aroclor 1221	ND	mg/kg-dry		0.039		SW8082	06/16/15 03:45 / jem
Aroclor 1232	ND	mg/kg-dry		0.020		SW8082	06/16/15 03:45 / jem
Aroclor 1242	ND	mg/kg-dry		0.020		SW8082	06/16/15 03:45 / jem
Aroclor 1248	ND	mg/kg-dry		0.020		SW8082	06/16/15 03:45 / jem
Aroclor 1254	0.86	mg/kg-dry		0.020		SW8082	06/16/15 03:45 / jem
Aroclor 1260	ND	mg/kg-dry		0.020		SW8082	06/16/15 03:45 / jem
Aroclor 1262	ND	mg/kg-dry		0.020		SW8082	06/16/15 03:45 / jem
Aroclor 1268	ND	mg/kg-dry		0.020		SW8082	06/16/15 03:45 / jem
Surr: Decachlorobiphenyl	113	%REC		50-126		SW8082	06/16/15 03:45 / jem
Surr: Tetrachloro-m-xylene	76.0	%REC		42-115		SW8082	06/16/15 03:45 / jem

- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033
Lab ID: B15061184-002
Client Sample ID: CB2B-3

Report Date: 06/18/15
Collection Date: 06/09/15 09:25
DateReceived: 06/11/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	8.6	wt%		0.2		SW3550A	06/15/15 15:34 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.018		SW8082	06/16/15 04:11 / jem
Aroclor 1221	ND	mg/kg-dry		0.035		SW8082	06/16/15 04:11 / jem
Aroclor 1232	ND	mg/kg-dry		0.018		SW8082	06/16/15 04:11 / jem
Aroclor 1242	ND	mg/kg-dry		0.018		SW8082	06/16/15 04:11 / jem
Aroclor 1248	ND	mg/kg-dry		0.018		SW8082	06/16/15 04:11 / jem
Aroclor 1254	0.18	mg/kg-dry		0.018		SW8082	06/16/15 04:11 / jem
Aroclor 1260	ND	mg/kg-dry		0.018		SW8082	06/16/15 04:11 / jem
Aroclor 1262	ND	mg/kg-dry		0.018		SW8082	06/16/15 04:11 / jem
Aroclor 1268	ND	mg/kg-dry		0.018		SW8082	06/16/15 04:11 / jem
Surr: Decachlorobiphenyl	108	%REC		50-126		SW8082	06/16/15 04:11 / jem
Surr: Tetrachloro-m-xylene	76.0	%REC		42-115		SW8082	06/16/15 04:11 / jem

- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033
Lab ID: B15061184-003
Client Sample ID: CB2B-4

Report Date: 06/18/15
Collection Date: 06/09/15 09:41
DateReceived: 06/11/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	7.7	wt%		0.2		SW3550A	06/15/15 15:47 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.018		SW8082	06/16/15 04:38 / jem
Aroclor 1221	ND	mg/kg-dry		0.036		SW8082	06/16/15 04:38 / jem
Aroclor 1232	ND	mg/kg-dry		0.018		SW8082	06/16/15 04:38 / jem
Aroclor 1242	ND	mg/kg-dry		0.018		SW8082	06/16/15 04:38 / jem
Aroclor 1248	ND	mg/kg-dry		0.018		SW8082	06/16/15 04:38 / jem
Aroclor 1254	0.071	mg/kg-dry		0.018		SW8082	06/16/15 04:38 / jem
Aroclor 1260	ND	mg/kg-dry		0.018		SW8082	06/16/15 04:38 / jem
Aroclor 1262	ND	mg/kg-dry		0.018		SW8082	06/16/15 04:38 / jem
Aroclor 1268	ND	mg/kg-dry		0.018		SW8082	06/16/15 04:38 / jem
Surr: Decachlorobiphenyl	109	%REC		50-126		SW8082	06/16/15 04:38 / jem
Surr: Tetrachloro-m-xylene	73.0	%REC		42-115		SW8082	06/16/15 04:38 / jem

- The Aroclor 1254 pattern detected in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033
Lab ID: B15061184-004
Client Sample ID: CB2B-6

Report Date: 06/18/15
Collection Date: 06/09/15 09:57
DateReceived: 06/11/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	8.8	wt%		0.2		SW3550A	06/15/15 15:47 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.018		SW8082	06/16/15 05:04 / jem
Aroclor 1221	ND	mg/kg-dry		0.036		SW8082	06/16/15 05:04 / jem
Aroclor 1232	ND	mg/kg-dry		0.018		SW8082	06/16/15 05:04 / jem
Aroclor 1242	ND	mg/kg-dry		0.018		SW8082	06/16/15 05:04 / jem
Aroclor 1248	ND	mg/kg-dry		0.018		SW8082	06/16/15 05:04 / jem
Aroclor 1254	0.051	mg/kg-dry		0.018		SW8082	06/16/15 05:04 / jem
Aroclor 1260	ND	mg/kg-dry		0.018		SW8082	06/16/15 05:04 / jem
Aroclor 1262	ND	mg/kg-dry		0.018		SW8082	06/16/15 05:04 / jem
Aroclor 1268	ND	mg/kg-dry		0.018		SW8082	06/16/15 05:04 / jem
Surr: Decachlorobiphenyl	108	%REC		50-126		SW8082	06/16/15 05:04 / jem
Surr: Tetrachloro-m-xylene	69.0	%REC		42-115		SW8082	06/16/15 05:04 / jem

- The Aroclor 1254 pattern detected in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033
Lab ID: B15061184-005
Client Sample ID: CB4-1

Report Date: 06/18/15
Collection Date: 06/09/15 11:25
DateReceived: 06/11/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	8.9	wt%		0.2		SW3550A	06/15/15 15:47 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.092		SW8082	06/16/15 09:29 / jem
Aroclor 1221	ND	mg/kg-dry		0.18		SW8082	06/16/15 09:29 / jem
Aroclor 1232	ND	mg/kg-dry		0.092		SW8082	06/16/15 09:29 / jem
Aroclor 1242	ND	mg/kg-dry		0.092		SW8082	06/16/15 09:29 / jem
Aroclor 1248	ND	mg/kg-dry		0.092		SW8082	06/16/15 09:29 / jem
Aroclor 1254	2.4	mg/kg-dry		0.092		SW8082	06/16/15 09:29 / jem
Aroclor 1260	ND	mg/kg-dry		0.092		SW8082	06/16/15 09:29 / jem
Aroclor 1262	ND	mg/kg-dry		0.092		SW8082	06/16/15 09:29 / jem
Aroclor 1268	ND	mg/kg-dry		0.092		SW8082	06/16/15 09:29 / jem
Surr: Decachlorobiphenyl	127	%REC	S	50-126		SW8082	06/16/15 09:29 / jem
Surr: Tetrachloro-m-xylene	76.0	%REC		42-115		SW8082	06/16/15 09:29 / jem

-The Reporting Limits reflect a 5 times dilution due to the level of Aroclor 1254 detected in the sample. The Aroclor 1254 pattern detected in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
S - Spike recovery outside of advisory limits.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033
Lab ID: B15061184-006
Client Sample ID: CB4-3

Report Date: 06/18/15
Collection Date: 06/09/15 11:45
DateReceived: 06/11/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	8.2	wt%		0.2		SW3550A	06/15/15 15:47 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.018		SW8082	06/16/15 05:57 / jem
Aroclor 1221	ND	mg/kg-dry		0.035		SW8082	06/16/15 05:57 / jem
Aroclor 1232	ND	mg/kg-dry		0.018		SW8082	06/16/15 05:57 / jem
Aroclor 1242	ND	mg/kg-dry		0.018		SW8082	06/16/15 05:57 / jem
Aroclor 1248	ND	mg/kg-dry		0.018		SW8082	06/16/15 05:57 / jem
Aroclor 1254	0.32	mg/kg-dry		0.018		SW8082	06/16/15 05:57 / jem
Aroclor 1260	ND	mg/kg-dry		0.018		SW8082	06/16/15 05:57 / jem
Aroclor 1262	ND	mg/kg-dry		0.018		SW8082	06/16/15 05:57 / jem
Aroclor 1268	ND	mg/kg-dry		0.018		SW8082	06/16/15 05:57 / jem
Surr: Decachlorobiphenyl	108	%REC		50-126		SW8082	06/16/15 05:57 / jem
Surr: Tetrachloro-m-xylene	67.0	%REC		42-115		SW8082	06/16/15 05:57 / jem

- The Aroclor 1254 pattern detected in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033
Lab ID: B15061184-007
Client Sample ID: CB4-4

Report Date: 06/18/15
Collection Date: 06/09/15 11:50
DateReceived: 06/11/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	7.6	wt%		0.2		SW3550A	06/15/15 15:47 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.018		SW8082	06/16/15 06:24 / jem
Aroclor 1221	ND	mg/kg-dry		0.035		SW8082	06/16/15 06:24 / jem
Aroclor 1232	ND	mg/kg-dry		0.018		SW8082	06/16/15 06:24 / jem
Aroclor 1242	ND	mg/kg-dry		0.018		SW8082	06/16/15 06:24 / jem
Aroclor 1248	ND	mg/kg-dry		0.018		SW8082	06/16/15 06:24 / jem
Aroclor 1254	0.021	mg/kg-dry		0.018		SW8082	06/16/15 06:24 / jem
Aroclor 1260	ND	mg/kg-dry		0.018		SW8082	06/16/15 06:24 / jem
Aroclor 1262	ND	mg/kg-dry		0.018		SW8082	06/16/15 06:24 / jem
Aroclor 1268	ND	mg/kg-dry		0.018		SW8082	06/16/15 06:24 / jem
Surr: Decachlorobiphenyl	111	%REC		50-126		SW8082	06/16/15 06:24 / jem
Surr: Tetrachloro-m-xylene	76.0	%REC		42-115		SW8082	06/16/15 06:24 / jem

- The Aroclor 1254 pattern detected in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033
Lab ID: B15061184-008
Client Sample ID: CB4-5

Report Date: 06/18/15
Collection Date: 06/09/15 12:30
DateReceived: 06/11/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	7.8	wt%		0.2		SW3550A	06/15/15 15:48 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.018		SW8082	06/16/15 06:50 / jem
Aroclor 1221	ND	mg/kg-dry		0.035		SW8082	06/16/15 06:50 / jem
Aroclor 1232	ND	mg/kg-dry		0.018		SW8082	06/16/15 06:50 / jem
Aroclor 1242	ND	mg/kg-dry		0.018		SW8082	06/16/15 06:50 / jem
Aroclor 1248	ND	mg/kg-dry		0.018		SW8082	06/16/15 06:50 / jem
Aroclor 1254	0.035	mg/kg-dry		0.018		SW8082	06/16/15 06:50 / jem
Aroclor 1260	ND	mg/kg-dry		0.018		SW8082	06/16/15 06:50 / jem
Aroclor 1262	ND	mg/kg-dry		0.018		SW8082	06/16/15 06:50 / jem
Aroclor 1268	ND	mg/kg-dry		0.018		SW8082	06/16/15 06:50 / jem
Surr: Decachlorobiphenyl	96.0	%REC		50-126		SW8082	06/16/15 06:50 / jem
Surr: Tetrachloro-m-xylene	82.0	%REC		42-115		SW8082	06/16/15 06:50 / jem

- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033
Lab ID: B15061184-009
Client Sample ID: CB4-6

Report Date: 06/18/15
Collection Date: 06/09/15 12:35
DateReceived: 06/11/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	7.0	wt%		0.2		SW3550A	06/15/15 15:51 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.018		SW8082	06/16/15 07:17 / jem
Aroclor 1221	ND	mg/kg-dry		0.035		SW8082	06/16/15 07:17 / jem
Aroclor 1232	ND	mg/kg-dry		0.018		SW8082	06/16/15 07:17 / jem
Aroclor 1242	ND	mg/kg-dry		0.018		SW8082	06/16/15 07:17 / jem
Aroclor 1248	ND	mg/kg-dry		0.018		SW8082	06/16/15 07:17 / jem
Aroclor 1254	ND	mg/kg-dry		0.018		SW8082	06/16/15 07:17 / jem
Aroclor 1260	ND	mg/kg-dry		0.018		SW8082	06/16/15 07:17 / jem
Aroclor 1262	ND	mg/kg-dry		0.018		SW8082	06/16/15 07:17 / jem
Aroclor 1268	ND	mg/kg-dry		0.018		SW8082	06/16/15 07:17 / jem
Surr: Decachlorobiphenyl	105	%REC		50-126		SW8082	06/16/15 07:17 / jem
Surr: Tetrachloro-m-xylene	70.0	%REC		42-115		SW8082	06/16/15 07:17 / jem

- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033
Lab ID: B15061184-010
Client Sample ID: CB9-3

Report Date: 06/18/15
Collection Date: 06/09/15 14:10
DateReceived: 06/11/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	9.2	wt%		0.2		SW3550A	06/15/15 15:53 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.019		SW8082	06/16/15 07:43 / jem
Aroclor 1221	ND	mg/kg-dry		0.036		SW8082	06/16/15 07:43 / jem
Aroclor 1232	ND	mg/kg-dry		0.019		SW8082	06/16/15 07:43 / jem
Aroclor 1242	ND	mg/kg-dry		0.019		SW8082	06/16/15 07:43 / jem
Aroclor 1248	ND	mg/kg-dry	D	1.4		SW8082	06/16/15 07:43 / jem
Aroclor 1254	ND	mg/kg-dry	D	0.36		SW8082	06/16/15 07:43 / jem
Aroclor 1260	ND	mg/kg-dry		0.019		SW8082	06/16/15 07:43 / jem
Aroclor 1262	ND	mg/kg-dry		0.019		SW8082	06/16/15 07:43 / jem
Aroclor 1268	ND	mg/kg-dry		0.019		SW8082	06/16/15 07:43 / jem
Surr: Decachlorobiphenyl	112	%REC		50-126		SW8082	06/16/15 07:43 / jem
Surr: Tetrachloro-m-xylene	70.0	%REC		42-115		SW8082	06/16/15 07:43 / jem

- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033
Lab ID: B15061184-011
Client Sample ID: CB9-4

Report Date: 06/18/15
Collection Date: 06/09/15 14:15
DateReceived: 06/11/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	5.3	wt%		0.2		SW3550A	06/15/15 15:59 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.018		SW8082	06/16/15 08:10 / jem
Aroclor 1221	ND	mg/kg-dry		0.034		SW8082	06/16/15 08:10 / jem
Aroclor 1232	ND	mg/kg-dry		0.018		SW8082	06/16/15 08:10 / jem
Aroclor 1242	ND	mg/kg-dry		0.018		SW8082	06/16/15 08:10 / jem
Aroclor 1248	ND	mg/kg-dry		0.018		SW8082	06/16/15 08:10 / jem
Aroclor 1254	ND	mg/kg-dry		0.018		SW8082	06/16/15 08:10 / jem
Aroclor 1260	ND	mg/kg-dry		0.018		SW8082	06/16/15 08:10 / jem
Aroclor 1262	ND	mg/kg-dry		0.018		SW8082	06/16/15 08:10 / jem
Aroclor 1268	ND	mg/kg-dry		0.018		SW8082	06/16/15 08:10 / jem
Surr: Decachlorobiphenyl	113	%REC		50-126		SW8082	06/16/15 08:10 / jem
Surr: Tetrachloro-m-xylene	71.0	%REC		42-115		SW8082	06/16/15 08:10 / jem

- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033
Lab ID: B15061184-012
Client Sample ID: CB9-5

Report Date: 06/18/15
Collection Date: 06/09/15 14:30
DateReceived: 06/11/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	8.5	wt%		0.2		SW3550A	06/15/15 16:01 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.018		SW8082	06/16/15 08:36 / jem
Aroclor 1221	ND	mg/kg-dry		0.036		SW8082	06/16/15 08:36 / jem
Aroclor 1232	ND	mg/kg-dry		0.018		SW8082	06/16/15 08:36 / jem
Aroclor 1242	ND	mg/kg-dry		0.018		SW8082	06/16/15 08:36 / jem
Aroclor 1248	ND	mg/kg-dry		0.018		SW8082	06/16/15 08:36 / jem
Aroclor 1254	0.12	mg/kg-dry		0.018		SW8082	06/16/15 08:36 / jem
Aroclor 1260	ND	mg/kg-dry		0.018		SW8082	06/16/15 08:36 / jem
Aroclor 1262	ND	mg/kg-dry		0.018		SW8082	06/16/15 08:36 / jem
Aroclor 1268	ND	mg/kg-dry		0.018		SW8082	06/16/15 08:36 / jem
Surr: Decachlorobiphenyl	112	%REC		50-126		SW8082	06/16/15 08:36 / jem
Surr: Tetrachloro-m-xylene	67.0	%REC		42-115		SW8082	06/16/15 08:36 / jem

- The Aroclor 1254 pattern detected in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson 350.0033
Lab ID: B15061184-013
Client Sample ID: CB9-6

Report Date: 06/18/15
Collection Date: 06/09/15 14:35
DateReceived: 06/11/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	5.2	wt%		0.2		SW3550A	06/15/15 16:02 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.018		SW8082	06/16/15 09:03 / jem
Aroclor 1221	ND	mg/kg-dry		0.034		SW8082	06/16/15 09:03 / jem
Aroclor 1232	ND	mg/kg-dry		0.018		SW8082	06/16/15 09:03 / jem
Aroclor 1242	ND	mg/kg-dry		0.018		SW8082	06/16/15 09:03 / jem
Aroclor 1248	ND	mg/kg-dry		0.018		SW8082	06/16/15 09:03 / jem
Aroclor 1254	ND	mg/kg-dry		0.018		SW8082	06/16/15 09:03 / jem
Aroclor 1260	ND	mg/kg-dry		0.018		SW8082	06/16/15 09:03 / jem
Aroclor 1262	ND	mg/kg-dry		0.018		SW8082	06/16/15 09:03 / jem
Aroclor 1268	ND	mg/kg-dry		0.018		SW8082	06/16/15 09:03 / jem
Surr: Decachlorobiphenyl	114	%REC		50-126		SW8082	06/16/15 09:03 / jem
Surr: Tetrachloro-m-xylene	71.0	%REC		42-115		SW8082	06/16/15 09:03 / jem

- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: NewFields
Report Date: 06/18/15
Project: Stimson 350.0033
Work Order: B15061184

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8082									Batch: 90441
Lab ID: MB-90441	Method Blank				Run: HECD.I_150615A				06/15/15 15:19
Aroclor 1016	ND	mg/kg	0.017						
Aroclor 1221	ND	mg/kg	0.033						
Aroclor 1232	ND	mg/kg	0.017						
Aroclor 1242	ND	mg/kg	0.017						
Aroclor 1248	ND	mg/kg	0.017						
Aroclor 1254	ND	mg/kg	0.017						
Aroclor 1260	ND	mg/kg	0.017						
Aroclor 1262	ND	mg/kg	0.017						
Aroclor 1268	ND	mg/kg	0.017						
Surr: Decachlorobiphenyl			0.0017	92	50	126			
Surr: Tetrachloro-m-xylene			0.0017	63	42	115			
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									
Lab ID: AR1254-90441	Laboratory Control Sample				Run: HECD.I_150615A				06/15/15 15:46
Aroclor 1254	0.332	mg/kg	0.017	101	62	126			
Surr: Decachlorobiphenyl			0.0017	93	50	126			
Surr: Tetrachloro-m-xylene			0.0017	62	42	115			
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									
Lab ID: B15061299-002AMB	Sample Matrix Spike				Run: HECD.I_150615A				06/15/15 17:06
Aroclor 1254	0.288	mg/kg	0.017	89	62	126			
Surr: Decachlorobiphenyl			0.0017	93	50	126			
Surr: Tetrachloro-m-xylene			0.0017	68	42	115			
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									
Lab ID: B15061299-002ADB	Sample Matrix Spike Duplicate				Run: HECD.I_150615A				06/15/15 17:32
Aroclor 1254	0.268	mg/kg	0.017	81	62	126	7.3	40	
Surr: Decachlorobiphenyl			0.0017	87	50	126			
Surr: Tetrachloro-m-xylene			0.0017	62	42	115			
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Work Order Receipt Checklist

NewFields

B15061184

Login completed by: Randa Nees
Date Received: 6/11/2015
Reviewed by: BL2000\jmueller
Received by: lg
Reviewed Date: 6/12/2015
Carrier name: Return-UPS Ground

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☐	No ☑	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Applicable ☐
Container/Temp Blank temperature:	1.3°C On Ice		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Contact and Corrective Action Comments:

Sample CB2B-1 was received at the laboratory with the container cracked but the sample was intact. This sample was transferred to another container and analysis continued per LaDonna Weis, Energy Laboratories Organics Co-Supervisor.

Chain of Custody and Analytical Request Record

Page 1 of 2

PLEASE PRINT (Provide as much information as possible.)

Company Name: Newfields

Project Name, PWS, Permit, Etc.: Stimson ~~350.0015~~ 350.0033

Sample Origin: State: MT

EPA/State Compliance: Yes ☐ No ☐

Report Mail Address (Required):

Contact Name: Tyler Etzel

Phone/Fax: 5498270

Cell: —

Sampler: (Please Print) Louise Spencer

☒ No Hard Copy Email: tetzel@newfields.com

Invoice Contact & Phone: Donna McCammon 5498270

Purchase Order: —

Quote/Bottle Order: —

Invoice Address (Required):

☒ No Hard Copy Email: dmccammon@newfields.com

Special Report/Formats:

☐ DW ☐ EDD/EDT (Electronic Data)
☐ POTW/WWTP Format: _____
☐ State: _____ ☐ LEVEL IV
☐ Other: _____ ☐ NELAC

ANALYSIS REQUESTED

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Number of Containers / Sample Type: A W S V B O DW / Air Water Soils/Solids Vegetation Bioassay Other DW - Drinking Water	PCBs (Method 8082)	SEE ATTACHED	Standard Turnaround (TAT)	RUSH
1 CB2B-1	6/9/15	~~1115~~ 913	S	1	X		X	
2 CB2B-3		~~900~~ 925						
3 CB2B-4		941						
4 CB2B-6		957						
5 CB4-1		1125						
6 CB4-3		1145						
7 CB4-4		1150						
8 CB4-5		1230						
9 CB4-6		1235						
10 CB9-3		1410						

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: FEDEX Tracking

Cooler ID(s):

Receipt Temp 1.3 °C TB

On Ice: (Y) N

Custody Seal: On Bottle Y (N) / On Cooler (Y) N / Intact (Y) N / Signature Match (Y) N

LABORATORY USE ONLY: B15061184-001 002 003 004 005 006 007 008 009 010

Custody Record MUST be Signed

Relinquished by (print): Louise Spencer Date/Time: 6/10/15 1630 Signature:

Relinquished by (print): Date/Time: Signature:

Received by (print): Date/Time: Signature:

Received by (print): Date/Time: Signature:

Received by Laboratory: Date/Time: 6-11-15 9:00 Signature:

Sample Disposal: Return to Client: _____ Lab Disposal: _____

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

Chain of Custody and Analytical Request Record

Page 2 of 2

PLEASE PRINT (Provide as much information as possible.)

Company Name: Newfields

Project Name, PWS, Permit, Etc.: Stimson 360.0033

Sample Origin State: MT

EPA/State Compliance: Yes ☐ No ☐

Report Mail Address (Required):

Contact Name: Tyler Etzel Phone/Fax: 5498270

Cell: —

Sampler: (Please Print) Louise L Spencer

☒ No Hard Copy Email: tetzel@newfields.com

Invoice Contact & Phone: D. McCammon 5498270

Purchase Order: —

Quote/Bottle Order: —

Invoice Address (Required):

☒ No Hard Copy Email: dmccammon@newfields

Special Report/Formats:

☐ DW ☐ EDD/EDT (Electronic Data)
☐ POTW/WWTP Format: _____
☐ State: _____ ☐ LEVEL IV
☐ Other: _____ ☐ NELAC

Number of Containers
Sample Type: A Air W Water S Soils/Solids V Vegetation B Bioassay O Other D DW - Drinking Water

ANALYSIS REQUESTED

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	PCBs (EPA Method 8082)	SEE ATTACHED	Standard Turnaround (TAT)	RUSH
1 CB9-4	6/9/15	1415	S	X		X	
2 CB9-5	↓	1430	↓	↓		↓	
3 CB9-6	↓	1435	↓	↓		↓	
4							
5							
6							
7							
8							
9							
10							

→ Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: FEDEX

Cooler ID(s):

Receipt Temp 1.3 °C TB

On Ice: (Y) N

Custody Seal On Bottle Y (N) On Cooler (Y) N Intact (Y) N Signature Match (Y) N

LABORATORY USE ONLY

1506118-011
012
013

Custody Record MUST be Signed

Relinquished by (print): Louise Spencer Date/Time: 6/10/15 1630 Signature:

Relinquished by (print): Date/Time: Signature:

Sample Disposal: Return to Client: _____ Lab Disposal: _____

Received by (print): Date/Time: Signature:

Received by (print): Date/Time: Signature:

Received by Laboratory: Date/Time: 6-11-15 9:17 Signature:

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

APPENDIX G

August 2015 Soil Boring Analytical Results

ANALYTICAL SUMMARY REPORT

August 27, 2015

NewFields
1120 Cedar St
Missoula, MT 59802-3911

Work Order: B15081868 Quote ID: B3097

Project Name: Stimson

Energy Laboratories Inc Billings MT received the following 23 samples for NewFields on 8/20/2015 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B15081868-001	CB-10-1, 2-3 Feet	08/18/15 8:30	08/20/15	Soil	Moisture Moisture Prep 8082 - Polychlorinated Biphenyls (PCB's) Percent Moisture Sonication Extraction
B15081868-002	CB-10-2, 9-10 Feet	08/18/15 8:55	08/20/15	Soil	Same As Above
B15081868-003	CB-10-3, 13-14 Feet	08/18/15 9:00	08/20/15	Soil	Same As Above
B15081868-004	CB-10-4, 18-19 Feet	08/18/15 9:15	08/20/15	Soil	Same As Above
B15081868-005	CB-10-5, 23-24 Feet	08/18/15 9:20	08/20/15	Soil	Same As Above
B15081868-006	CB-11-1, 4-5 Feet	08/18/15 12:48	08/20/15	Soil	Same As Above
B15081868-007	CB-11-2, 8-9 Feet	08/18/15 12:57	08/20/15	Soil	Same As Above
B15081868-008	CB-11-3, 12-13 Feet	08/18/15 13:00	08/20/15	Soil	Same As Above
B15081868-009	CB-11-4, 18-19 Feet	08/18/15 13:17	08/20/15	Soil	Same As Above
B15081868-010	CB-11-5, 23-24 Feet	08/18/15 13:21	08/20/15	Soil	Same As Above
B15081868-011	CB-12-1, 4-5 Feet	08/18/15 14:46	08/20/15	Soil	Same As Above
B15081868-012	CB-12-2, 8-9 Feet	08/18/15 15:05	08/20/15	Soil	Same As Above
B15081868-013	CB-12-3, 12-13 Feet	08/18/15 15:08	08/20/15	Soil	Same As Above
B15081868-014	CB-12-4, 19-20 Feet	08/18/15 15:20	08/20/15	Soil	Same As Above
B15081868-015	CB-12-5, 28-29 Feet	08/18/15 15:43	08/20/15	Soil	Same As Above
B15081868-016	CB-13-1, 2-3 Feet	08/18/15 10:25	08/20/15	Soil	Same As Above
B15081868-017	CB-13-2, 8-9 Feet	08/18/15 10:30	08/20/15	Soil	Same As Above
B15081868-018	CB-13-3, 12-13 Feet	08/18/15 10:34	08/20/15	Soil	Same As Above
B15081868-019	CB-13-4, 17-18 Feet	08/18/15 10:40	08/20/15	Soil	Same As Above
B15081868-020	CB-13-5, 22-23 Feet	08/18/15 10:43	08/20/15	Soil	Same As Above
B15081868-021	CB-14-1, 28-29 Feet	08/19/15 10:36	08/20/15	Soil	Same As Above
B15081868-022	CB-14-2, 32-33 Feet	08/19/15 10:42	08/20/15	Soil	Same As Above
B15081868-023	CB-14-3, 39-40 Feet	08/19/15 10:48	08/20/15	Soil	Same As Above

ANALYTICAL SUMMARY REPORT

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson
Lab ID: B15081868-001
Client Sample ID: CB-10-1, 2-3 Feet

Report Date: 08/27/15
Collection Date: 08/18/15 08:30
DateReceived: 08/20/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	5.6	wt%		0.2		SW3550A	08/20/15 14:23 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.072		SW8082	08/26/15 02:12 / jem
Aroclor 1221	ND	mg/kg-dry		0.14		SW8082	08/26/15 02:12 / jem
Aroclor 1232	ND	mg/kg-dry		0.072		SW8082	08/26/15 02:12 / jem
Aroclor 1242	ND	mg/kg-dry		0.072		SW8082	08/26/15 02:12 / jem
Aroclor 1248	ND	mg/kg-dry		0.072		SW8082	08/26/15 02:12 / jem
Aroclor 1254	1.5	mg/kg-dry		0.072		SW8082	08/26/15 02:12 / jem
Aroclor 1260	ND	mg/kg-dry		0.072		SW8082	08/26/15 02:12 / jem
Aroclor 1262	ND	mg/kg-dry		0.072		SW8082	08/26/15 02:12 / jem
Aroclor 1268	ND	mg/kg-dry		0.072		SW8082	08/26/15 02:12 / jem
Surr: Decachlorobiphenyl	96.0	%REC		50-126		SW8082	08/26/15 02:12 / jem
Surr: Tetrachloro-m-xylene	78.0	%REC		42-115		SW8082	08/26/15 02:12 / jem

-The Reporting Limits reflect a 4 times dilution due to the level of Aroclor 1254 detected in the sample.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson
Lab ID: B15081868-002
Client Sample ID: CB-10-2, 9-10 Feet

Report Date: 08/27/15
Collection Date: 08/18/15 08:55
DateReceived: 08/20/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	3.5	wt%		0.2		SW3550A	08/20/15 14:24 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.018		SW8082	08/23/15 22:46 / jem
Aroclor 1221	ND	mg/kg-dry		0.034		SW8082	08/23/15 22:46 / jem
Aroclor 1232	ND	mg/kg-dry		0.018		SW8082	08/23/15 22:46 / jem
Aroclor 1242	ND	mg/kg-dry		0.018		SW8082	08/23/15 22:46 / jem
Aroclor 1248	ND	mg/kg-dry		0.018		SW8082	08/23/15 22:46 / jem
Aroclor 1254	ND	mg/kg-dry		0.018		SW8082	08/23/15 22:46 / jem
Aroclor 1260	ND	mg/kg-dry		0.018		SW8082	08/23/15 22:46 / jem
Aroclor 1262	ND	mg/kg-dry		0.018		SW8082	08/23/15 22:46 / jem
Aroclor 1268	ND	mg/kg-dry		0.018		SW8082	08/23/15 22:46 / jem
Surr: Decachlorobiphenyl	94.0	%REC		50-126		SW8082	08/23/15 22:46 / jem
Surr: Tetrachloro-m-xylene	78.0	%REC		42-115		SW8082	08/23/15 22:46 / jem

- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson
Lab ID: B15081868-003
Client Sample ID: CB-10-3, 13-14 Feet

Report Date: 08/27/15
Collection Date: 08/18/15 09:00
DateReceived: 08/20/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	5.8	wt%		0.2		SW3550A	08/20/15 14:32 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.018		SW8082	08/23/15 23:14 / jem
Aroclor 1221	ND	mg/kg-dry		0.035		SW8082	08/23/15 23:14 / jem
Aroclor 1232	ND	mg/kg-dry		0.018		SW8082	08/23/15 23:14 / jem
Aroclor 1242	ND	mg/kg-dry		0.018		SW8082	08/23/15 23:14 / jem
Aroclor 1248	ND	mg/kg-dry		0.018		SW8082	08/23/15 23:14 / jem
Aroclor 1254	ND	mg/kg-dry		0.018		SW8082	08/23/15 23:14 / jem
Aroclor 1260	ND	mg/kg-dry		0.018		SW8082	08/23/15 23:14 / jem
Aroclor 1262	ND	mg/kg-dry		0.018		SW8082	08/23/15 23:14 / jem
Aroclor 1268	ND	mg/kg-dry		0.018		SW8082	08/23/15 23:14 / jem
Surr: Decachlorobiphenyl	95.0	%REC		50-126		SW8082	08/23/15 23:14 / jem
Surr: Tetrachloro-m-xylene	76.0	%REC		42-115		SW8082	08/23/15 23:14 / jem

- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson
Lab ID: B15081868-004
Client Sample ID: CB-10-4, 18-19 Feet

Report Date: 08/27/15
Collection Date: 08/18/15 09:15
DateReceived: 08/20/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	11	wt%		0.2		SW3550A	08/21/15 09:24 / tmc
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.019		SW8082	08/23/15 23:42 / jem
Aroclor 1221	ND	mg/kg-dry		0.037		SW8082	08/23/15 23:42 / jem
Aroclor 1232	ND	mg/kg-dry		0.019		SW8082	08/23/15 23:42 / jem
Aroclor 1242	ND	mg/kg-dry		0.019		SW8082	08/23/15 23:42 / jem
Aroclor 1248	ND	mg/kg-dry		0.019		SW8082	08/23/15 23:42 / jem
Aroclor 1254	ND	mg/kg-dry		0.019		SW8082	08/23/15 23:42 / jem
Aroclor 1260	ND	mg/kg-dry		0.019		SW8082	08/23/15 23:42 / jem
Aroclor 1262	ND	mg/kg-dry		0.019		SW8082	08/23/15 23:42 / jem
Aroclor 1268	ND	mg/kg-dry		0.019		SW8082	08/23/15 23:42 / jem
Surr: Decachlorobiphenyl	93.0	%REC		50-126		SW8082	08/23/15 23:42 / jem
Surr: Tetrachloro-m-xylene	75.0	%REC		42-115		SW8082	08/23/15 23:42 / jem

- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson
Lab ID: B15081868-005
Client Sample ID: CB-10-5, 23-24 Feet

Report Date: 08/27/15
Collection Date: 08/18/15 09:20
DateReceived: 08/20/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	8.4	wt%		0.2		SW3550A	08/21/15 09:40 / tmc
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.018		SW8082	08/24/15 03:53 / jem
Aroclor 1221	ND	mg/kg-dry		0.036		SW8082	08/24/15 03:53 / jem
Aroclor 1232	ND	mg/kg-dry		0.018		SW8082	08/24/15 03:53 / jem
Aroclor 1242	ND	mg/kg-dry		0.018		SW8082	08/24/15 03:53 / jem
Aroclor 1248	ND	mg/kg-dry		0.018		SW8082	08/24/15 03:53 / jem
Aroclor 1254	ND	mg/kg-dry		0.018		SW8082	08/24/15 03:53 / jem
Aroclor 1260	ND	mg/kg-dry		0.018		SW8082	08/24/15 03:53 / jem
Aroclor 1262	ND	mg/kg-dry		0.018		SW8082	08/24/15 03:53 / jem
Aroclor 1268	ND	mg/kg-dry		0.018		SW8082	08/24/15 03:53 / jem
Surr: Decachlorobiphenyl	98.0	%REC		50-126		SW8082	08/24/15 03:53 / jem
Surr: Tetrachloro-m-xylene	75.0	%REC		42-115		SW8082	08/24/15 03:53 / jem

- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson
Lab ID: B15081868-006
Client Sample ID: CB-11-1, 4-5 Feet

Report Date: 08/27/15
Collection Date: 08/18/15 12:48
DateReceived: 08/20/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	12	wt%		0.2		SW3550A	08/21/15 09:40 / tmc
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.019		SW8082	08/24/15 04:20 / jem
Aroclor 1221	ND	mg/kg-dry		0.037		SW8082	08/24/15 04:20 / jem
Aroclor 1232	ND	mg/kg-dry		0.019		SW8082	08/24/15 04:20 / jem
Aroclor 1242	ND	mg/kg-dry		0.019		SW8082	08/24/15 04:20 / jem
Aroclor 1248	ND	mg/kg-dry		0.019		SW8082	08/24/15 04:20 / jem
Aroclor 1254	0.043	mg/kg-dry		0.019		SW8082	08/24/15 04:20 / jem
Aroclor 1260	ND	mg/kg-dry		0.019		SW8082	08/24/15 04:20 / jem
Aroclor 1262	ND	mg/kg-dry		0.019		SW8082	08/24/15 04:20 / jem
Aroclor 1268	ND	mg/kg-dry		0.019		SW8082	08/24/15 04:20 / jem
Surr: Decachlorobiphenyl	101	%REC		50-126		SW8082	08/24/15 04:20 / jem
Surr: Tetrachloro-m-xylene	75.0	%REC		42-115		SW8082	08/24/15 04:20 / jem

- The Aroclor 1254 pattern detected in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson
Lab ID: B15081868-007
Client Sample ID: CB-11-2, 8-9 Feet

Report Date: 08/27/15
Collection Date: 08/18/15 12:57
DateReceived: 08/20/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	12	wt%		0.2		SW3550A	08/21/15 09:40 / tmc
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.019		SW8082	08/24/15 04:48 / jem
Aroclor 1221	ND	mg/kg-dry		0.037		SW8082	08/24/15 04:48 / jem
Aroclor 1232	ND	mg/kg-dry		0.019		SW8082	08/24/15 04:48 / jem
Aroclor 1242	ND	mg/kg-dry		0.019		SW8082	08/24/15 04:48 / jem
Aroclor 1248	ND	mg/kg-dry		0.019		SW8082	08/24/15 04:48 / jem
Aroclor 1254	0.21	mg/kg-dry		0.019		SW8082	08/24/15 04:48 / jem
Aroclor 1260	ND	mg/kg-dry		0.019		SW8082	08/24/15 04:48 / jem
Aroclor 1262	ND	mg/kg-dry		0.019		SW8082	08/24/15 04:48 / jem
Aroclor 1268	ND	mg/kg-dry		0.019		SW8082	08/24/15 04:48 / jem
Surr: Decachlorobiphenyl	95.0	%REC		50-126		SW8082	08/24/15 04:48 / jem
Surr: Tetrachloro-m-xylene	60.0	%REC		42-115		SW8082	08/24/15 04:48 / jem

- The Aroclor 1254 pattern detected in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson
Lab ID: B15081868-008
Client Sample ID: CB-11-3, 12-13 Feet

Report Date: 08/27/15
Collection Date: 08/18/15 13:00
DateReceived: 08/20/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	8.9	wt%		0.2		SW3550A	08/21/15 09:44 / tmc
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.019		SW8082	08/24/15 05:16 / jem
Aroclor 1221	ND	mg/kg-dry		0.036		SW8082	08/24/15 05:16 / jem
Aroclor 1232	ND	mg/kg-dry		0.019		SW8082	08/24/15 05:16 / jem
Aroclor 1242	ND	mg/kg-dry		0.019		SW8082	08/24/15 05:16 / jem
Aroclor 1248	ND	mg/kg-dry		0.019		SW8082	08/24/15 05:16 / jem
Aroclor 1254	ND	mg/kg-dry		0.019		SW8082	08/24/15 05:16 / jem
Aroclor 1260	ND	mg/kg-dry		0.019		SW8082	08/24/15 05:16 / jem
Aroclor 1262	ND	mg/kg-dry		0.019		SW8082	08/24/15 05:16 / jem
Aroclor 1268	ND	mg/kg-dry		0.019		SW8082	08/24/15 05:16 / jem
Surr: Decachlorobiphenyl	100	%REC		50-126		SW8082	08/24/15 05:16 / jem
Surr: Tetrachloro-m-xylene	75.0	%REC		42-115		SW8082	08/24/15 05:16 / jem

- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson
Lab ID: B15081868-009
Client Sample ID: CB-11-4, 18-19 Feet

Report Date: 08/27/15
Collection Date: 08/18/15 13:17
DateReceived: 08/20/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	13	wt%		0.2		SW3550A	08/21/15 09:48 / tmc
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.019		SW8082	08/24/15 05:44 / jem
Aroclor 1221	ND	mg/kg-dry		0.037		SW8082	08/24/15 05:44 / jem
Aroclor 1232	ND	mg/kg-dry		0.019		SW8082	08/24/15 05:44 / jem
Aroclor 1242	ND	mg/kg-dry		0.019		SW8082	08/24/15 05:44 / jem
Aroclor 1248	ND	mg/kg-dry		0.019		SW8082	08/24/15 05:44 / jem
Aroclor 1254	0.29	mg/kg-dry		0.019		SW8082	08/24/15 05:44 / jem
Aroclor 1260	ND	mg/kg-dry		0.019		SW8082	08/24/15 05:44 / jem
Aroclor 1262	ND	mg/kg-dry		0.019		SW8082	08/24/15 05:44 / jem
Aroclor 1268	ND	mg/kg-dry		0.019		SW8082	08/24/15 05:44 / jem
Surr: Decachlorobiphenyl	104	%REC		50-126		SW8082	08/24/15 05:44 / jem
Surr: Tetrachloro-m-xylene	77.0	%REC		42-115		SW8082	08/24/15 05:44 / jem

- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson
Lab ID: B15081868-010
Client Sample ID: CB-11-5, 23-24 Feet

Report Date: 08/27/15
Collection Date: 08/18/15 13:21
DateReceived: 08/20/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	8.3	wt%		0.2		SW3550A	08/21/15 10:05 / tmc
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.037		SW8082	08/26/15 03:36 / jem
Aroclor 1221	ND	mg/kg-dry		0.072		SW8082	08/26/15 03:36 / jem
Aroclor 1232	ND	mg/kg-dry		0.037		SW8082	08/26/15 03:36 / jem
Aroclor 1242	ND	mg/kg-dry		0.037		SW8082	08/26/15 03:36 / jem
Aroclor 1248	ND	mg/kg-dry		0.037		SW8082	08/26/15 03:36 / jem
Aroclor 1254	1.2	mg/kg-dry		0.037		SW8082	08/26/15 03:36 / jem
Aroclor 1260	ND	mg/kg-dry		0.037		SW8082	08/26/15 03:36 / jem
Aroclor 1262	ND	mg/kg-dry		0.037		SW8082	08/26/15 03:36 / jem
Aroclor 1268	ND	mg/kg-dry		0.037		SW8082	08/26/15 03:36 / jem
Surr: Decachlorobiphenyl	95.0	%REC		50-126		SW8082	08/26/15 03:36 / jem
Surr: Tetrachloro-m-xylene	79.0	%REC		42-115		SW8082	08/26/15 03:36 / jem

-The Reporting Limits reflect a 2 times dilution due to the level of Aroclor 1254 detected in the sample.
- The Aroclor 1254 pattern found in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson
Lab ID: B15081868-011
Client Sample ID: CB-12-1, 4-5 Feet

Report Date: 08/27/15
Collection Date: 08/18/15 14:46
DateReceived: 08/20/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	4.1	wt%		0.2		SW3550A	08/21/15 10:09 / tmc
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.018		SW8082	08/24/15 06:39 / jem
Aroclor 1221	ND	mg/kg-dry		0.034		SW8082	08/24/15 06:39 / jem
Aroclor 1232	ND	mg/kg-dry		0.018		SW8082	08/24/15 06:39 / jem
Aroclor 1242	ND	mg/kg-dry		0.018		SW8082	08/24/15 06:39 / jem
Aroclor 1248	ND	mg/kg-dry		0.018		SW8082	08/24/15 06:39 / jem
Aroclor 1254	0.081	mg/kg-dry		0.018		SW8082	08/24/15 06:39 / jem
Aroclor 1260	ND	mg/kg-dry		0.018		SW8082	08/24/15 06:39 / jem
Aroclor 1262	ND	mg/kg-dry		0.018		SW8082	08/24/15 06:39 / jem
Aroclor 1268	ND	mg/kg-dry		0.018		SW8082	08/24/15 06:39 / jem
Surr: Decachlorobiphenyl	100	%REC		50-126		SW8082	08/24/15 06:39 / jem
Surr: Tetrachloro-m-xylene	77.0	%REC		42-115		SW8082	08/24/15 06:39 / jem

- The Aroclor 1254 pattern detected in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson
Lab ID: B15081868-012
Client Sample ID: CB-12-2, 8-9 Feet

Report Date: 08/27/15
Collection Date: 08/18/15 15:05
DateReceived: 08/20/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	7.0	wt%		0.2		SW3550A	08/21/15 10:17 / tmc
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.045		SW8082	08/26/15 04:03 / jem
Aroclor 1221	ND	mg/kg-dry		0.088		SW8082	08/26/15 04:03 / jem
Aroclor 1232	ND	mg/kg-dry		0.045		SW8082	08/26/15 04:03 / jem
Aroclor 1242	ND	mg/kg-dry		0.045		SW8082	08/26/15 04:03 / jem
Aroclor 1248	ND	mg/kg-dry		0.045		SW8082	08/26/15 04:03 / jem
Aroclor 1254	1.4	mg/kg-dry		0.045		SW8082	08/26/15 04:03 / jem
Aroclor 1260	ND	mg/kg-dry		0.045		SW8082	08/26/15 04:03 / jem
Aroclor 1262	ND	mg/kg-dry		0.045		SW8082	08/26/15 04:03 / jem
Aroclor 1268	ND	mg/kg-dry		0.045		SW8082	08/26/15 04:03 / jem
Surr: Decachlorobiphenyl	101	%REC		50-126		SW8082	08/26/15 04:03 / jem
Surr: Tetrachloro-m-xylene	69.0	%REC		42-115		SW8082	08/26/15 04:03 / jem

-The Reporting Limits reflect a 2.5 times dilution due to the level of Aroclor 1254 detected in the sample.
- The Aroclor 1254 pattern found in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson
Lab ID: B15081868-013
Client Sample ID: CB-12-3, 12-13 Feet

Report Date: 08/27/15
Collection Date: 08/18/15 15:08
DateReceived: 08/20/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	5.8	wt%		0.2		SW3550A	08/21/15 10:21 / tmc
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.045		SW8082	08/26/15 04:32 / jem
Aroclor 1221	ND	mg/kg-dry		0.087		SW8082	08/26/15 04:32 / jem
Aroclor 1232	ND	mg/kg-dry		0.045		SW8082	08/26/15 04:32 / jem
Aroclor 1242	ND	mg/kg-dry		0.045		SW8082	08/26/15 04:32 / jem
Aroclor 1248	ND	mg/kg-dry		0.045		SW8082	08/26/15 04:32 / jem
Aroclor 1254	2.3	mg/kg-dry		0.045		SW8082	08/26/15 04:32 / jem
Aroclor 1260	ND	mg/kg-dry		0.045		SW8082	08/26/15 04:32 / jem
Aroclor 1262	ND	mg/kg-dry		0.045		SW8082	08/26/15 04:32 / jem
Aroclor 1268	ND	mg/kg-dry		0.045		SW8082	08/26/15 04:32 / jem
Surr: Decachlorobiphenyl	98.0	%REC		50-126		SW8082	08/26/15 04:32 / jem
Surr: Tetrachloro-m-xylene	67.0	%REC		42-115		SW8082	08/26/15 04:32 / jem

-The Reporting Limits reflect a 2.5 times dilution due to the level of Aroclor 1254 detected in the sample.
- The Aroclor 1254 pattern found in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson
Lab ID: B15081868-014
Client Sample ID: CB-12-4, 19-20 Feet

Report Date: 08/27/15
Collection Date: 08/18/15 15:20
DateReceived: 08/20/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	11	wt%		0.2		SW3550A	08/21/15 10:25 / tmc
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.019		SW8082	08/24/15 08:02 / jem
Aroclor 1221	ND	mg/kg-dry		0.037		SW8082	08/24/15 08:02 / jem
Aroclor 1232	ND	mg/kg-dry		0.019		SW8082	08/24/15 08:02 / jem
Aroclor 1242	ND	mg/kg-dry		0.019		SW8082	08/24/15 08:02 / jem
Aroclor 1248	ND	mg/kg-dry		0.019		SW8082	08/24/15 08:02 / jem
Aroclor 1254	0.058	mg/kg-dry		0.019		SW8082	08/24/15 08:02 / jem
Aroclor 1260	ND	mg/kg-dry		0.019		SW8082	08/24/15 08:02 / jem
Aroclor 1262	ND	mg/kg-dry		0.019		SW8082	08/24/15 08:02 / jem
Aroclor 1268	ND	mg/kg-dry		0.019		SW8082	08/24/15 08:02 / jem
Surr: Decachlorobiphenyl	101	%REC		50-126		SW8082	08/24/15 08:02 / jem
Surr: Tetrachloro-m-xylene	83.0	%REC		42-115		SW8082	08/24/15 08:02 / jem

- The Aroclor 1254 pattern detected in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson
Lab ID: B15081868-015
Client Sample ID: CB-12-5, 28-29 Feet

Report Date: 08/27/15
Collection Date: 08/18/15 15:43
DateReceived: 08/20/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	10	wt%		0.2		SW3550A	08/21/15 10:36 / tmc
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.019		SW8082	08/24/15 08:30 / jem
Aroclor 1221	ND	mg/kg-dry		0.036		SW8082	08/24/15 08:30 / jem
Aroclor 1232	ND	mg/kg-dry		0.019		SW8082	08/24/15 08:30 / jem
Aroclor 1242	ND	mg/kg-dry		0.019		SW8082	08/24/15 08:30 / jem
Aroclor 1248	ND	mg/kg-dry		0.019		SW8082	08/24/15 08:30 / jem
Aroclor 1254	0.27	mg/kg-dry		0.019		SW8082	08/24/15 08:30 / jem
Aroclor 1260	ND	mg/kg-dry		0.019		SW8082	08/24/15 08:30 / jem
Aroclor 1262	ND	mg/kg-dry		0.019		SW8082	08/24/15 08:30 / jem
Aroclor 1268	ND	mg/kg-dry		0.019		SW8082	08/24/15 08:30 / jem
Surr: Decachlorobiphenyl	98.0	%REC		50-126		SW8082	08/24/15 08:30 / jem
Surr: Tetrachloro-m-xylene	74.0	%REC		42-115		SW8082	08/24/15 08:30 / jem

- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson
Lab ID: B15081868-016
Client Sample ID: CB-13-1, 2-3 Feet

Report Date: 08/27/15
Collection Date: 08/18/15 10:25
DateReceived: 08/20/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	13	wt%		0.2		SW3550A	08/21/15 10:37 / tmc
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.19		SW8082	08/26/15 04:59 / jem
Aroclor 1221	ND	mg/kg-dry		0.38		SW8082	08/26/15 04:59 / jem
Aroclor 1232	ND	mg/kg-dry		0.19		SW8082	08/26/15 04:59 / jem
Aroclor 1242	ND	mg/kg-dry		0.19		SW8082	08/26/15 04:59 / jem
Aroclor 1248	ND	mg/kg-dry		0.19		SW8082	08/26/15 04:59 / jem
Aroclor 1254	9.7	mg/kg-dry		0.19		SW8082	08/26/15 04:59 / jem
Aroclor 1260	ND	mg/kg-dry		0.19		SW8082	08/26/15 04:59 / jem
Aroclor 1262	ND	mg/kg-dry		0.19		SW8082	08/26/15 04:59 / jem
Aroclor 1268	ND	mg/kg-dry		0.19		SW8082	08/26/15 04:59 / jem
Surr: Decachlorobiphenyl	117	%REC		50-126		SW8082	08/26/15 04:59 / jem
Surr: Tetrachloro-m-xylene	86.0	%REC		42-115		SW8082	08/26/15 04:59 / jem

-The Reporting Limits reflect a 10 times dilution due to the level of Aroclor 1254 detected in the sample.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson
Lab ID: B15081868-017
Client Sample ID: CB-13-2, 8-9 Feet

Report Date: 08/27/15
Collection Date: 08/18/15 10:30
DateReceived: 08/20/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	14	wt%		0.2		SW3550A	08/21/15 10:46 / tmc
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.020		SW8082	08/24/15 13:31 / jem
Aroclor 1221	ND	mg/kg-dry		0.038		SW8082	08/24/15 13:31 / jem
Aroclor 1232	ND	mg/kg-dry		0.020		SW8082	08/24/15 13:31 / jem
Aroclor 1242	ND	mg/kg-dry		0.020		SW8082	08/24/15 13:31 / jem
Aroclor 1248	ND	mg/kg-dry		0.020		SW8082	08/24/15 13:31 / jem
Aroclor 1254	0.15	mg/kg-dry		0.020		SW8082	08/24/15 13:31 / jem
Aroclor 1260	ND	mg/kg-dry		0.020		SW8082	08/24/15 13:31 / jem
Aroclor 1262	ND	mg/kg-dry		0.020		SW8082	08/24/15 13:31 / jem
Aroclor 1268	ND	mg/kg-dry		0.020		SW8082	08/24/15 13:31 / jem
Surr: Decachlorobiphenyl	100	%REC		50-126		SW8082	08/24/15 13:31 / jem
Surr: Tetrachloro-m-xylene	79.0	%REC		42-115		SW8082	08/24/15 13:31 / jem

- The Aroclor 1254 pattern detected in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson
Lab ID: B15081868-018
Client Sample ID: CB-13-3, 12-13 Feet

Report Date: 08/27/15
Collection Date: 08/18/15 10:34
DateReceived: 08/20/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	13	wt%		0.2		SW3550A	08/21/15 10:51 / tmc
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.019		SW8082	08/24/15 13:59 / jem
Aroclor 1221	ND	mg/kg-dry		0.038		SW8082	08/24/15 13:59 / jem
Aroclor 1232	ND	mg/kg-dry		0.019		SW8082	08/24/15 13:59 / jem
Aroclor 1242	ND	mg/kg-dry		0.019		SW8082	08/24/15 13:59 / jem
Aroclor 1248	ND	mg/kg-dry		0.019		SW8082	08/24/15 13:59 / jem
Aroclor 1254	0.23	mg/kg-dry		0.019		SW8082	08/24/15 13:59 / jem
Aroclor 1260	ND	mg/kg-dry		0.019		SW8082	08/24/15 13:59 / jem
Aroclor 1262	ND	mg/kg-dry		0.019		SW8082	08/24/15 13:59 / jem
Aroclor 1268	ND	mg/kg-dry		0.019		SW8082	08/24/15 13:59 / jem
Surr: Decachlorobiphenyl	96.0	%REC		50-126		SW8082	08/24/15 13:59 / jem
Surr: Tetrachloro-m-xylene	73.0	%REC		42-115		SW8082	08/24/15 13:59 / jem

- The Aroclor 1254 pattern detected in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson
Lab ID: B15081868-019
Client Sample ID: CB-13-4, 17-18 Feet

Report Date: 08/27/15
Collection Date: 08/18/15 10:40
DateReceived: 08/20/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	8.3	wt%		0.2		SW3550A	08/21/15 10:59 / tmc
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.018		SW8082	08/24/15 14:27 / jem
Aroclor 1221	ND	mg/kg-dry		0.035		SW8082	08/24/15 14:27 / jem
Aroclor 1232	ND	mg/kg-dry		0.018		SW8082	08/24/15 14:27 / jem
Aroclor 1242	ND	mg/kg-dry		0.018		SW8082	08/24/15 14:27 / jem
Aroclor 1248	ND	mg/kg-dry		0.018		SW8082	08/24/15 14:27 / jem
Aroclor 1254	0.18	mg/kg-dry		0.018		SW8082	08/24/15 14:27 / jem
Aroclor 1260	ND	mg/kg-dry		0.018		SW8082	08/24/15 14:27 / jem
Aroclor 1262	ND	mg/kg-dry		0.018		SW8082	08/24/15 14:27 / jem
Aroclor 1268	ND	mg/kg-dry		0.018		SW8082	08/24/15 14:27 / jem
Surr: Decachlorobiphenyl	94.0	%REC		50-126		SW8082	08/24/15 14:27 / jem
Surr: Tetrachloro-m-xylene	77.0	%REC		42-115		SW8082	08/24/15 14:27 / jem

- The Aroclor 1254 pattern detected in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson
Lab ID: B15081868-020
Client Sample ID: CB-13-5, 22-23 Feet

Report Date: 08/27/15
Collection Date: 08/18/15 10:43
DateReceived: 08/20/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	8.0	wt%		0.2		SW3550A	08/21/15 11:06 / tmc
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.018		SW8082	08/24/15 14:56 / jem
Aroclor 1221	ND	mg/kg-dry		0.036		SW8082	08/24/15 14:56 / jem
Aroclor 1232	ND	mg/kg-dry		0.018		SW8082	08/24/15 14:56 / jem
Aroclor 1242	ND	mg/kg-dry		0.018		SW8082	08/24/15 14:56 / jem
Aroclor 1248	ND	mg/kg-dry		0.018		SW8082	08/24/15 14:56 / jem
Aroclor 1254	0.087	mg/kg-dry		0.018		SW8082	08/24/15 14:56 / jem
Aroclor 1260	ND	mg/kg-dry		0.018		SW8082	08/24/15 14:56 / jem
Aroclor 1262	ND	mg/kg-dry		0.018		SW8082	08/24/15 14:56 / jem
Aroclor 1268	ND	mg/kg-dry		0.018		SW8082	08/24/15 14:56 / jem
Surr: Decachlorobiphenyl	104	%REC		50-126		SW8082	08/24/15 14:56 / jem
Surr: Tetrachloro-m-xylene	87.0	%REC		42-115		SW8082	08/24/15 14:56 / jem

- The Aroclor 1254 pattern detected in this sample was significantly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson
Lab ID: B15081868-021
Client Sample ID: CB-14-1, 28-29 Feet

Report Date: 08/27/15
Collection Date: 08/19/15 10:36
DateReceived: 08/20/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	9.7	wt%		0.2		SW3550A	08/21/15 11:08 / tmc
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		19		SW8082	08/26/15 12:08 / jem
Aroclor 1221	ND	mg/kg-dry		36		SW8082	08/26/15 12:08 / jem
Aroclor 1232	ND	mg/kg-dry		19		SW8082	08/26/15 12:08 / jem
Aroclor 1242	ND	mg/kg-dry		19		SW8082	08/26/15 12:08 / jem
Aroclor 1248	ND	mg/kg-dry		19		SW8082	08/26/15 12:08 / jem
Aroclor 1254	470	mg/kg-dry		19		SW8082	08/26/15 12:08 / jem
Aroclor 1260	ND	mg/kg-dry		19		SW8082	08/26/15 12:08 / jem
Aroclor 1262	ND	mg/kg-dry		19		SW8082	08/26/15 12:08 / jem
Aroclor 1268	ND	mg/kg-dry		19		SW8082	08/26/15 12:08 / jem
Surr: Decachlorobiphenyl	357	%REC	S	50-126		SW8082	08/24/15 15:26 / jem
Surr: Tetrachloro-m-xylene	88.0	%REC		42-115		SW8082	08/24/15 15:26 / jem

-The high percent recovery of Decachlorobiphenyl is attributed to co-eluting interference on the primary column.
-The Reporting Limits reflect a 1000 times dilution due to the level of Aroclor 1254 detected in the sample.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
S - Spike recovery outside of advisory limits.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson
Lab ID: B15081868-022
Client Sample ID: CB-14-2, 32-33 Feet

Report Date: 08/27/15
Collection Date: 08/19/15 10:42
DateReceived: 08/20/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	8.5	wt%		0.2		SW3550A	08/21/15 11:13 / tmc
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.019		SW8082	08/24/15 16:22 / jem
Aroclor 1221	ND	mg/kg-dry		0.036		SW8082	08/24/15 16:22 / jem
Aroclor 1232	ND	mg/kg-dry		0.019		SW8082	08/24/15 16:22 / jem
Aroclor 1242	ND	mg/kg-dry		0.019		SW8082	08/24/15 16:22 / jem
Aroclor 1248	ND	mg/kg-dry		0.019		SW8082	08/24/15 16:22 / jem
Aroclor 1254	1.1	mg/kg-dry		0.019		SW8082	08/24/15 16:22 / jem
Aroclor 1260	ND	mg/kg-dry		0.019		SW8082	08/24/15 16:22 / jem
Aroclor 1262	ND	mg/kg-dry		0.019		SW8082	08/24/15 16:22 / jem
Aroclor 1268	ND	mg/kg-dry		0.019		SW8082	08/24/15 16:22 / jem
Surr: Decachlorobiphenyl	95.0	%REC		50-126		SW8082	08/24/15 16:22 / jem
Surr: Tetrachloro-m-xylene	61.0	%REC		42-115		SW8082	08/24/15 16:22 / jem

- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson
Lab ID: B15081868-023
Client Sample ID: CB-14-3, 39-40 Feet

Report Date: 08/27/15
Collection Date: 08/19/15 10:48
DateReceived: 08/20/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	9.4	wt%		0.2		SW3550A	08/21/15 11:19 / tmc
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.19		SW8082	08/26/15 13:04 / jem
Aroclor 1221	ND	mg/kg-dry		0.36		SW8082	08/26/15 13:04 / jem
Aroclor 1232	ND	mg/kg-dry		0.19		SW8082	08/26/15 13:04 / jem
Aroclor 1242	ND	mg/kg-dry		0.19		SW8082	08/26/15 13:04 / jem
Aroclor 1248	ND	mg/kg-dry		0.19		SW8082	08/26/15 13:04 / jem
Aroclor 1254	2.7	mg/kg-dry		0.19		SW8082	08/26/15 13:04 / jem
Aroclor 1260	ND	mg/kg-dry		0.19		SW8082	08/26/15 13:04 / jem
Aroclor 1262	ND	mg/kg-dry		0.19		SW8082	08/26/15 13:04 / jem
Aroclor 1268	ND	mg/kg-dry		0.19		SW8082	08/26/15 13:04 / jem
Surr: Decachlorobiphenyl	95.0	%REC		50-126		SW8082	08/26/15 13:04 / jem
Surr: Tetrachloro-m-xylene	73.0	%REC		42-115		SW8082	08/26/15 13:04 / jem

-The Reporting Limits reflect a 10 times dilution due to the level of Aroclor 1254 detected in the sample.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson

Report Date: 08/27/15
Work Order: B15081868

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8082									Batch: 92484
Lab ID: MB-92484	Method Blank				Run: AECD.I_150823B				08/23/15 20:27
Aroclor 1016	ND	mg/kg	0.017						
Aroclor 1221	ND	mg/kg	0.033						
Aroclor 1232	ND	mg/kg	0.017						
Aroclor 1242	ND	mg/kg	0.017						
Aroclor 1248	ND	mg/kg	0.017						
Aroclor 1254	ND	mg/kg	0.017						
Aroclor 1260	ND	mg/kg	0.017						
Aroclor 1262	ND	mg/kg	0.017						
Aroclor 1268	ND	mg/kg	0.017						
Surr: Decachlorobiphenyl			0.0017	90	50	126			
Surr: Tetrachloro-m-xylene			0.0017	68	42	115			
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									
Lab ID: AR1254-92484	Laboratory Control Sample				Run: AECD.I_150823B				08/23/15 20:54
Aroclor 1254	0.316	mg/kg	0.017	95	62	126			
Surr: Decachlorobiphenyl			0.0017	91	50	126			
Surr: Tetrachloro-m-xylene			0.0017	48	42	115			
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									
Lab ID: B15081868-001AMB	Sample Matrix Spike				Run: AECD.I_150823B				08/26/15 02:40
Aroclor 1254	1.78	mg/kg-dry	0.072	76	62	126			
Surr: Decachlorobiphenyl			0.0072	95	50	126			
Surr: Tetrachloro-m-xylene			0.0072	70	42	115			
-The Reporting Limits reflect a 4 times dilution due to the level of Aroclor 1254 detected in the sample. - Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									
Lab ID: B15081868-001ADB	Sample Matrix Spike Duplicate				Run: AECD.I_150823B				08/26/15 03:08
Aroclor 1254	1.95	mg/kg-dry	0.072	124	62	126	9.1	40	
Surr: Decachlorobiphenyl			0.0072	98	50	126			
Surr: Tetrachloro-m-xylene			0.0072	80	42	115			
-The Reporting Limits reflect a 4 times dilution due to the level of Aroclor 1254 detected in the sample. - Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson

Report Date: 08/27/15
Work Order: B15081868

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8082									Batch: 92498
Lab ID: MB-92498	Method Blank				Run: AECD.I_150823B				08/23/15 21:22
Aroclor 1016	ND	mg/kg	0.017						
Aroclor 1221	ND	mg/kg	0.033						
Aroclor 1232	ND	mg/kg	0.017						
Aroclor 1242	ND	mg/kg	0.017						
Aroclor 1248	ND	mg/kg	0.017						
Aroclor 1254	ND	mg/kg	0.017						
Aroclor 1260	ND	mg/kg	0.017						
Aroclor 1262	ND	mg/kg	0.017						
Aroclor 1268	ND	mg/kg	0.017						
Surr: Decachlorobiphenyl			0.0017	88	50	126			
Surr: Tetrachloro-m-xylene			0.0017	63	42	115			
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									
Lab ID: AR1254-92498	Laboratory Control Sample				Run: AECD.I_150823B				08/23/15 21:50
Aroclor 1254	0.338	mg/kg	0.017	102	62	126			
Surr: Decachlorobiphenyl			0.0017	89	50	126			
Surr: Tetrachloro-m-xylene			0.0017	60	42	115			
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									
Lab ID: B15081868-004AMB	Sample Matrix Spike				Run: AECD.I_150823B				08/24/15 01:33
Aroclor 1254	0.400	mg/kg-dry	0.019	107	62	126			
Surr: Decachlorobiphenyl			0.0019	95	50	126			
Surr: Tetrachloro-m-xylene			0.0019	72	42	115			
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									
Lab ID: B15081868-004ADB	Sample Matrix Spike Duplicate				Run: AECD.I_150823B				08/24/15 02:01
Aroclor 1254	0.390	mg/kg-dry	0.019	104	62	126	2.5	40	
Surr: Decachlorobiphenyl			0.0019	93	50	126			
Surr: Tetrachloro-m-xylene			0.0019	72	42	115			
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Work Order Receipt Checklist

NewFields

B15081868

Login completed by: Randa Nees
Date Received: 8/20/2015
Reviewed by: BL2000\raschim
Received by: qej
Reviewed Date: 8/20/2015
Carrier name: Return-UPS Ground

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☐	No ☑	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Applicable ☐
Container/Temp Blank temperature:	4.1°C On Ice		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Contact and Corrective Action Comments:

Sample CB-14-1 28-29 Feet was received cracked but sample was intact, analysis was continued.

Chain of Custody and Analytical Request Record

Page 1 of 3

PLEASE PRINT (Provide as much information as possible.)

Company Name: NewFields	Project Name, PWS, Permit, Etc.: ~~Stimson~~ Stimson	Sample Origin State: MT	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address (Required): 1120 Cedar Street, Missoula, MT 59802	Contact Name: Tyler Etzel; Phone/Fax: 406-549-8370	Cell: 406-240-7795	Sampler: (Please Print) Ty Schmechel
❑ No Hard Copy Email: tetzel@newfields.com	Invoice Contact & Phone: Donna McCammon 406-549-8370	Purchase Order: 350.0035.005	Quote/Bottle Order:
Invoice Address (Required): see above; ❑ No Hard Copy Email:			

Special Report/Formats:
☐ DW ☐ POTW/WWTP ☐ State: ☐ Other: ☒ EDD/EDT (Electronic Data) Format: ☐ LEVEL IV ☐ NELAC

Number of Containers; Sample Type: A W S V B O DW; Air Water Soils/Solids Vegetation Bioassay Other DW - Drinking Water

ANALYSIS REQUESTED: EPA Method 8082; SEE ATTACHED

Standard Turnaround (TAT); R U S H

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: Rtn UPS Grnd
Cooler ID(s):
Receipt Temp 4.1 °C TB
On Ice: (Y) N
Custody Seal: On Bottle (Y) N; On Cooler (Y) N
Intact (Y) N
Signature Match (Y) N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	8082	SEE ATTACHED	TAT	RUSH	Comments	LAB USE ONLY
1	CB-10-1 (2-3')	8-18-15	08 30	S	X		X			1508188-001
2	CB-10-2 (9-10')	8-18-15	08 55	S	X		X			002
3	CB-10-3 (13-14')	8-18-15	09 00	S	X		X			003
4	CB-10-4 (18-19')	8-18-15	09 15	S	X		X			004
5	CB-10-5 (23-24')	8-18-15	09 20	S	X		X			005
6	CB-10-6 (29-30')	8-18-15	09 30	S	X		X		HOLD Analysis	-
7	CB-10-7 (33-34')	8-18-15	09 24	S	X		X		"	-
8	CB-10-8 (38-39')	8-18-15	09 50	S	X		X		"	-
9	CB-11-1 (4-5)	8-18-15	12 48	S	X		X			006
10	CB-11-2 (8-9)	8-18-15	12 57	S	X		X			007

Custody Record MUST be Signed

Relinquished by (print): Ty Schmechel	Date/Time: 8-19-15 / 16 00	Signature: Ty Schmechel	Received by (print):	Date/Time: / Signature:
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time: / Signature:
Sample Disposal: Return to Client:	Lab Disposal:		Received by Laboratory: 8/20/15 09:30	Signature: Quincee Jones

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.
Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

Chain of Custody and Analytical Request Record

PLEASE PRINT (Provide as much information as possible.)

Company Name: NewFields	Project Name, PWS, Permit, Etc.: Stimson	Sample Origin State: MT	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address (Required): 1120 Cedar Street, Missoula, MT 59802	Contact Name: Tyler Etzel	Phone/Fax: 406-549-8270	Cell: 406-240-7795
☐ No Hard Copy Email: tetzel@newfields.com	Invoice Contact & Phone: Donna McMannon 406-549-8270	Purchase Order: 350.0052.005	Sampler: (Please Print) Ty Schmechel
Invoice Address (Required): see above			Quote/Bottle Order:
☐ No Hard Copy Email:			

Special Report/Formats:
☐ DW ☐ POTW/WWTP ☐ State: ____ ☐ Other: ____ ☒ EDD/EDT (Electronic Data) Format: ____ ☐ LEVEL IV ☐ NELAC

Number of Containers
Sample Type: A W S V B O DW
Air Water Soils/Solids
Vegetation Bioassay Other
DW - Drinking Water

ANALYSIS REQUESTED

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	EPA Method 8082	SEE ATTACHED	Standard Turnaround (TAT)	LABORATORY USE ONLY
1	CB-11-3 (12-13')	8-18-15	13 00	S	X		X	L15D8182.8-008
2	CB-11-4 (18-19')	8-18-15	1317	S	X		X	009
3	CB-11-5 (23-24')	8-18-15	13 21	S	X		X	010
4	CB-12-1 (4-5')	8-18-15	14 46	S	X		X	011
5	CB-12-2 (8-9')	8-18-15	15 05	S	X		X	012
6	CB-12-3 (12-13')	8-18-15	1508	S	X		X	013
7	CB-12-4 (19-20')	8-18-15	15 20	S	X		X	014
8	CB-12-5 (28-29')	8-18-15	15 43	S	X		X	015
9	CB-13-1 (2-3')	8-18-15	10 25	S	X		X	016
10	CB-13-2 (8-9')	8-18-15	10 30	S	X		X	017

R U S H — Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: Rtn: UPS Gnd
Cooler ID(s):
Receipt Temp 4.1 °C TB
On Ice: Y N
Custody Seal On Bottle N, On Cooler N
Intact N
Signature Match N

Custody Record MUST be Signed

Relinquished by (print): Ty Schmechel	Date/Time: 8-19-15/16 00	Signature: Ty Schmechel	Received by (print): / Date/Time: / Signature:
Relinquished by (print):	Date/Time:	Signature:	Received by (print): / Date/Time: / Signature:
Sample Disposal: Return to Client: ____ Lab Disposal: ____			Received by Laboratory: 8/20/15 09:30 Quince Jones

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Chain of Custody and Analytical Request Record

ENERGY LABORATORIES

PLEASE PRINT (Provide as much information as possible.)

Company Name: NewFields

Report Mail Address (Required): 1120 Cedar Street, Missoula, MT 59802

☐ No Hard Copy Email: tetzel@newfields.com

Invoice Address (Required): see above

☐ No Hard Copy Email:

Special Report/Formats:
☐ DW ☐ POTW/WWTP ☐ State: ☐ Other:
☒ EDD/EDT (Electronic Data) Format: ☐ LEVEL IV ☐ NELAC

Project Name, PWS, Permit, Etc.: Stimson

Sample Origin State: MT

EPA/State Compliance: Yes ☐ No ☐

Contact Name: Tyler Tetzel Phone/Fax: 406-549-8270 Cell: 406-240-7795

Sampler: (Please Print): Ty Schmechel

Invoice Contact & Phone: Donna McMammon 406-549-8270

Purchase Order: 350.0023.005

Quote/Bottle Order:

Number of Containers
Sample Type: A W S V B O DW
Air Water Soils/Solids Vegetation Bioassay Other DW - Drinking Water

ANALYSIS REQUESTED

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	EPA Method 8032	SEE ATTACHED	Standard Turnaround (TAT)
1 CB-13-3 (12-13')	8-18-15	10 34	S	X		X
2 CB-13-4 (17-18')	8-18-15	10 40	S	X		X
3 CB-13-5 (22-23')	8-18-15	10 43	S	X		X
4 CB-14-1 (28-29')	8-19-15	10 36	S	X		X
5 CB-14-2 (32-35')	8-19-15	10 42	S	X		X
6 CB-14-3 (39-40')	8-19-15	10 48	S	X		X
7						
8						
9						
10						

R U S H

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: Rtn. UPS Grnd

Cooler ID(s):

Receipt Temp 4.1 °C TB

On Ice: (Y) N

Custody Seal On Bottle Y (N) On Cooler (Y) N

Intact (Y) N

Signature Match (Y) N

LABORATORY USE ONLY
L15081828-018
019
020
021
022
023

Custody Record MUST be Signed

Relinquished by (print): Ty Schmechel	Date/Time: 8-19-15/1600	Signature:	Received by (print):
Relinquished by (print):	Date/Time:	Signature:	Received by (print):
Sample Disposal: Return to Client:	Lab Disposal:		Received by Laboratory: 8/20/15 09:30 (Quinlee) Jones

Date/Time: Signature:

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.
This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

ANALYTICAL SUMMARY REPORT

September 03, 2015

NewFields
1120 Cedar St
Missoula, MT 59802-3911

Work Order: B15090032 Quote ID: B3097 - Stimson

Project Name: Stimson Compressor Building

Energy Laboratories Inc Billings MT received the following 3 samples for NewFields on 9/1/2015 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B15090032-001	CB-11-6@28-29 Feet	08/18/15 13:36	09/01/15	Soil	Moisture Moisture Prep 8082 - Polychlorinated Biphenyls (PCB's) Percent Moisture Sonication Extraction
B15090032-002	CB-11-7@33-34 Feet	08/18/15 13:39	09/01/15	Soil	Same As Above
B15090032-003	CB-11-8@39-40 Feet	08/18/15 13:42	09/01/15	Soil	Same As Above

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson Compressor Building
Lab ID: B15090032-001
Client Sample ID: CB-11-6@28-29 Feet

Report Date: 09/03/15
Collection Date: 08/18/15 13:36
DateReceived: 09/01/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	8.5	wt%		0.2		SW3550A	09/01/15 11:07 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.037		SW8082	09/02/15 23:02 / jem
Aroclor 1221	ND	mg/kg-dry		0.071		SW8082	09/02/15 23:02 / jem
Aroclor 1232	ND	mg/kg-dry		0.037		SW8082	09/02/15 23:02 / jem
Aroclor 1242	ND	mg/kg-dry		0.037		SW8082	09/02/15 23:02 / jem
Aroclor 1248	ND	mg/kg-dry		0.037		SW8082	09/02/15 23:02 / jem
Aroclor 1254	1.3	mg/kg-dry		0.037		SW8082	09/02/15 23:02 / jem
Aroclor 1260	ND	mg/kg-dry		0.037		SW8082	09/02/15 23:02 / jem
Aroclor 1262	ND	mg/kg-dry		0.037		SW8082	09/02/15 23:02 / jem
Aroclor 1268	ND	mg/kg-dry		0.037		SW8082	09/02/15 23:02 / jem
Surr: Decachlorobiphenyl	100	%REC		50-126		SW8082	09/02/15 23:02 / jem
Surr: Tetrachloro-m-xylene	69.0	%REC		42-115		SW8082	09/02/15 23:02 / jem

- The Reporting Limits reflect a 2 times dilution due to the level of Aroclor 1254 detected in the sample.The Aroclor 1254 pattern detected in this sample was slightly degraded.
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson Compressor Building
Lab ID: B15090032-002
Client Sample ID: CB-11-7@33-34 Feet

Report Date: 09/03/15
Collection Date: 08/18/15 13:39
DateReceived: 09/01/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	5.6	wt%		0.2		SW3550A	09/01/15 11:11 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.018		SW8082	09/01/15 15:21 / jem
Aroclor 1221	ND	mg/kg-dry		0.034		SW8082	09/01/15 15:21 / jem
Aroclor 1232	ND	mg/kg-dry		0.018		SW8082	09/01/15 15:21 / jem
Aroclor 1242	ND	mg/kg-dry		0.018		SW8082	09/01/15 15:21 / jem
Aroclor 1248	ND	mg/kg-dry		0.018		SW8082	09/01/15 15:21 / jem
Aroclor 1254	0.37	mg/kg-dry		0.018		SW8082	09/01/15 15:21 / jem
Aroclor 1260	ND	mg/kg-dry		0.018		SW8082	09/01/15 15:21 / jem
Aroclor 1262	ND	mg/kg-dry		0.018		SW8082	09/01/15 15:21 / jem
Aroclor 1268	ND	mg/kg-dry		0.018		SW8082	09/01/15 15:21 / jem
Surr: Decachlorobiphenyl	92.0	%REC		50-126		SW8082	09/01/15 15:21 / jem
Surr: Tetrachloro-m-xylene	67.0	%REC		42-115		SW8082	09/01/15 15:21 / jem

- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: NewFields
Project: Stimson Compressor Building
Lab ID: B15090032-003
Client Sample ID: CB-11-8@39-40 Feet

Report Date: 09/03/15
Collection Date: 08/18/15 13:42
DateReceived: 09/01/15
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	9.9	wt%		0.2		SW3550A	09/01/15 11:15 / amn
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor 1016	ND	mg/kg-dry		0.019		SW8082	09/01/15 15:50 / jem
Aroclor 1221	ND	mg/kg-dry		0.037		SW8082	09/01/15 15:50 / jem
Aroclor 1232	ND	mg/kg-dry		0.019		SW8082	09/01/15 15:50 / jem
Aroclor 1242	ND	mg/kg-dry		0.019		SW8082	09/01/15 15:50 / jem
Aroclor 1248	ND	mg/kg-dry		0.019		SW8082	09/01/15 15:50 / jem
Aroclor 1254	ND	mg/kg-dry		0.019		SW8082	09/01/15 15:50 / jem
Aroclor 1260	ND	mg/kg-dry		0.019		SW8082	09/01/15 15:50 / jem
Aroclor 1262	ND	mg/kg-dry		0.019		SW8082	09/01/15 15:50 / jem
Aroclor 1268	ND	mg/kg-dry		0.019		SW8082	09/01/15 15:50 / jem
Surr: Decachlorobiphenyl	79.0	%REC		50-126		SW8082	09/01/15 15:50 / jem
Surr: Tetrachloro-m-xylene	55.0	%REC		42-115		SW8082	09/01/15 15:50 / jem

- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: NewFields **Report Date:** 09/03/15

Project: Stimson Compressor Building **Work Order:** B15090032

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **SW8082**									Batch: 92796
Lab ID: **MB-92796**	Method Blank				Run: AECD.I_150901A				09/01/15 13:57
Aroclor 1016	ND	mg/kg	0.017						
Aroclor 1221	ND	mg/kg	0.034						
Aroclor 1232	ND	mg/kg	0.017						
Aroclor 1242	ND	mg/kg	0.017						
Aroclor 1248	ND	mg/kg	0.017						
Aroclor 1254	ND	mg/kg	0.017						
Aroclor 1260	ND	mg/kg	0.017						
Aroclor 1262	ND	mg/kg	0.017						
Aroclor 1268	ND	mg/kg	0.017						
Surr: Decachlorobiphenyl			0.0017	84	50	126			
Surr: Tetrachloro-m-xylene			0.0017	63	42	115			
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									
Lab ID: **AR1254-92796**	Laboratory Control Sample				Run: AECD.I_150901A				09/01/15 14:25
Aroclor 1254	0.324	mg/kg	0.017	97	62	126			
Surr: Decachlorobiphenyl			0.0017	88	50	126			
Surr: Tetrachloro-m-xylene			0.0017	56	42	115			
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									
Lab ID: **B15090032-001AMB**	Sample Duplicate				Run: AECD.I_150901A				09/02/15 23:30
Aroclor 1016	ND	mg/kg-dry	0.038						40
Aroclor 1221	ND	mg/kg-dry	0.074						40
Aroclor 1232	ND	mg/kg-dry	0.038						40
Aroclor 1242	ND	mg/kg-dry	0.038						40
Aroclor 1248	ND	mg/kg-dry	0.038						40
Aroclor 1254	1.49	mg/kg-dry	0.038				12		40
Aroclor 1260	ND	mg/kg-dry	0.038						40
Aroclor 1262	ND	mg/kg-dry	0.038						40
Aroclor 1268	ND	mg/kg-dry	0.038						40
Surr: Decachlorobiphenyl			0.0038	99	50	126			
Surr: Tetrachloro-m-xylene			0.0038	69	42	115			
- The Reporting Limits reflect a 2 times dilution due to the level of Aroclor 1254 detected in the sample.The Aroclor 1254 pattern detected in this sample was slightly degraded.									
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									
Lab ID: **B15090032-001ADB**	Sample Duplicate				Run: AECD.I_150901A				09/02/15 23:58
Aroclor 1016	ND	mg/kg-dry	0.037						40
Aroclor 1221	ND	mg/kg-dry	0.071						40
Aroclor 1232	ND	mg/kg-dry	0.037						40
Aroclor 1242	ND	mg/kg-dry	0.037						40
Aroclor 1248	ND	mg/kg-dry	0.037						40
Aroclor 1254	1.62	mg/kg-dry	0.037				20		40
Aroclor 1260	ND	mg/kg-dry	0.037						40
Aroclor 1262	ND	mg/kg-dry	0.037						40
Aroclor 1268	ND	mg/kg-dry	0.037						40
Surr: Decachlorobiphenyl			0.0037	98	50	126			
Surr: Tetrachloro-m-xylene			0.0037	71	42	115			
- Because the amount of Aroclor 1254 detected in the sample was significantly higher than the spike amount, the Matrix Spike and Matrix Spike Duplicate are calculated as Duplicate samples. The Reporting Limits reflect a 2 times dilution due to the level of Aroclor 1254 detected in the sample.The Aroclor 1254 pattern detected in this sample was slightly degraded.									
- Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis.									

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Work Order Receipt Checklist

NewFields

B15090032

Login completed by: Leslie S. Cadreau
Date Received: 9/1/2015
Reviewed by: BL2000\jmueller
Received by: brg
Reviewed Date: 9/1/2015
Carrier name: Return-UPS Ground

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☐	No ☑	Not Applicable ☐
Container/Temp Blank temperature:	5.8°C On Ice		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Contact and Corrective Action Comments:

Rush samples due 09/03/15 per Shari Endy, Project Manager, on 09/02/15.

ENERGY LABORATORIES
Trust our People. Trust our Data.

Chain of Custody & Analytical Request Record

www.energylab.com

Account Information *(Billing information)*

Company/Name	NewFields
Contact	Tyler Etzel
Phone	(406) 240-7795
Mailing Address	1120 Cedar Street
City, State, Zip	Missoula, MT 59802
Email	tetzel@newfields.com
Receive Invoice	☐Hard Copy ■Email
Receive Report	☐Hard Copy ■Email
Purchase Order	350.0033.005
Quote	

Report Information *(if different than Account Information)*

Company/Name	
Contact	
Phone	
Mailing Address	
City, State, Zip	
Email	
Receive Report	☐Hard Copy ☐Email

Special Report/Formats:
☐ LEVEL IV ☐ NELAC ☐ EDD/EDT *(contact laboratory)* ☐ Other_____

Comments

Project Information

Project Name, PWSID, Permit, etc.	Stimson Compressor Building
Bottle Order	
Sample Origin State	Montana
EPA/State Compliance	☐ Yes ■ No
Sampler Name	Ty Schmechel
Sampler Phone	(406) 855-6884

Matrix Codes
A - Air
W - Water
S - Soils/Solids
V - Vegetation
B - Bioassay
O - Other
DW - Drinking Water

Analysis Requested

All turnaround times are standard unless marked as RUSH.

Energy Laboratories MUST be contacted prior to RUSH sample submittal for charges and scheduling – See Instructions Page

	Sample Identification *(Name, Location, Interval, etc.)*	Collection Date	Collection Time	Number of Containers	Matrix *(See Codes Above)*	PCBs (8082)	See Attached	RUSH TAT	ELI LAB ID *Laboratory Use Only*
1	CB-11-6 @ 28'-29'	8/18/15	1:36 pm	1	S	✓			B1508032-001
2	CB-11-7 @ 33'-34'	8/18/15	1:39 pm	1	S	✓			-002
3	CB-11-8 @ 39'-40'	8/18/15	1:42 pm	1	S	✓			-003
4									
5									
6									
7									
8									
9									
10									

Custody Record MUST be signed	Relinquished by (print)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	[illegible]	8/20/15 @ 1450				
	Relinquished by (print)	Date/Time	Signature	Received by Laboratory (print)	Date/Time	Signature
				Brittaney Lowe	8/20/15 930	[signature]

LABORATORY USE ONLY

Sample Disposal	Shipped By	Cooler ID(s)	Custody Seals	Intact	Receipt Temp	Temp Blank	On Ice	Payment Type	Amount	Receipt Number *(cash/check only)*
Client Lab	RTN UPS Ground		Y N C B	Y N	5.8 °C	Y N	Y N	CC Cash Check_____	$	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.