

**BONNER MILL**  
**JUNE 2016 SEMIANNUAL REPOSITORY INSPECTION FORM**

**PERIMETER FENCE INSPECTION**

Walk entire perimeter of fenceline/barrier, and indicate gaps, damage, loose wire tension, or poor condition, by perimeter location

**WOOD BRACE & CORNER POSTS:**

Good condition.  
\_\_\_\_\_  
\_\_\_\_\_

**BARBED WIRE "FABRIC":**

Good condition on east, west and north side. Poor condition on south side and needs repair.  
\_\_\_\_\_  
\_\_\_\_\_

**WARNING SIGNS ALONG FENCE (placed ~ every 350 feet):**

Present and in good condition.  
\_\_\_\_\_  
\_\_\_\_\_

**GATE CONDITION & SECURITY:**

Gate is locked. Poor security due to damaged fence next to gate (see photos).  
\_\_\_\_\_  
\_\_\_\_\_

**SIGNS OF INTRUSION (include photos):**

Possible sign of intrusion at broken fence.  
\_\_\_\_\_  
\_\_\_\_\_

**VEGETATIVE COVER INSPECTION**

Walk the surface of the Repository along at least 3 transects and walk the perimeter paying attention to the following:

**VEGETATIVE BARE SPOTS:**

Small bare batches on northeast corner.  
\_\_\_\_\_  
\_\_\_\_\_

**WEED INFESTATIONS (presence & degree – include photos):**

Minor presence of leafy spurge, cheatgrass and vetch.  
\_\_\_\_\_  
\_\_\_\_\_

**EROSION INSPECTION**

This inspection can be part of the two inspections listed above. Describe location & severity of any cap damage.

SIGNIFICANT SURFACE DEPRESSIONS that could accumulate water, include photos:

None.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**EXCESSIVE EROSION**

Rills & gullies > 2 inches of penetration (include location & degree, i.e. penetration depth, together with photographs):

None.  
\_\_\_\_\_  
\_\_\_\_\_

Sloughing slopes ( “ ”):

None.  
\_\_\_\_\_  
\_\_\_\_\_

Undermined plant roots: ( “ ”) or animal burrows:

None.  
\_\_\_\_\_  
\_\_\_\_\_

**PHOTOGRAPH LOG**

| Photo #                                      | Photo Direction | General Location | Notes |
|--|-----------------|------------------|-------|
| <u>See attached photo log in Appendix A.</u> |                 |                  |       |
|  |                 |                  |       |
|  |                 |                  |       |
|  |                 |                  |       |
|  |                 |                  |       |
|  |                 |                  |       |
|  |                 |                  |       |
|  |                 |                  |       |
|  |                 |                  |       |
|  |                 |                  |       |

**SECOND SEMIANNUAL INSPECTION (ONLY)**

**STORMWATER DITCH**

Integrity (& any damage):

Intact with no damage.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**ANNUALLY – 2 DRY WELLS:**

**Collect one (1) composited sample from the dry wells; analyze for PCBs only.**

Sample #: \_\_\_\_\_

Sample time: \_\_\_\_\_

Notes: \_\_\_\_\_

**GENERAL COMMENTS**

General condition of repository is good, need to repair fence on south side.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**INSPECTOR**

**INSPECTION DATE**

Dan Hoffman, NewFields

6/15/16



Photo 1. West slope looking NNE.



Photo 2. South slope looking N.



Photo 3. NE corner  
from base, looking SW.



Photo 4. SW corner  
from base, looking E.



Photo 5. Top from SE, looking SE.



Photo 6. SW corner from top, looking SW.



Photo 7. SE corner from top, looking SE.



Photo 8. E slope from top, looking E.

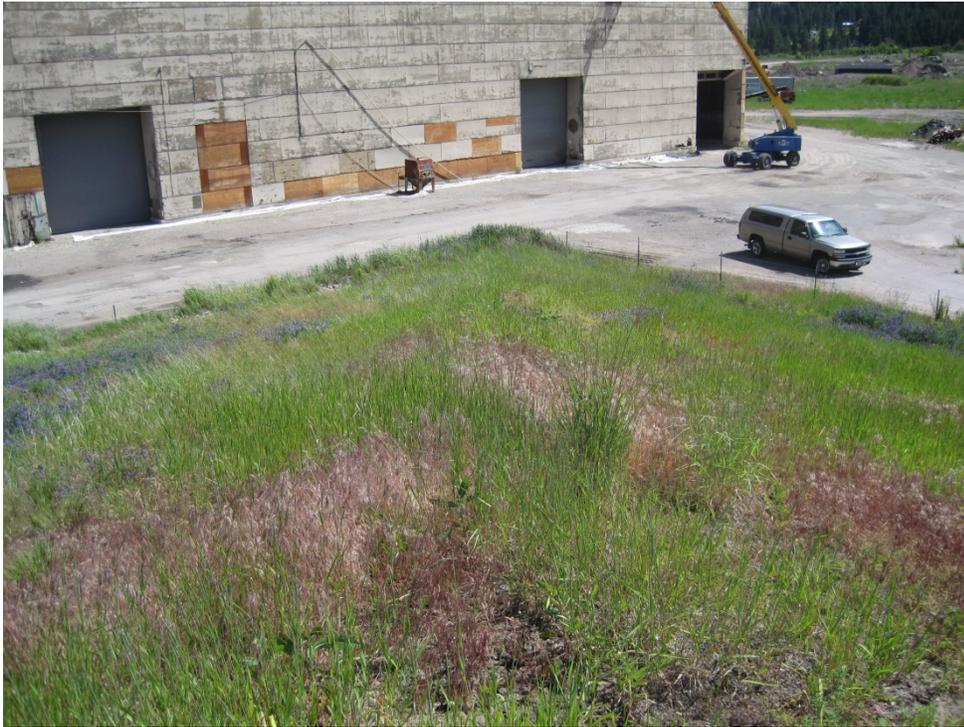


Photo 9. Top NE corner, looking NE.



Photo 10. Damaged fence near gate.

**BONNER MILL  
SEPTEMBER 2016 SEMIANNUAL REPOSITORY INSPECTION  
FORM**

**PERIMETER FENCE INSPECTION**

Walk entire perimeter of fenceline/barrier, and indicate gaps, damage, loose wire tension, or poor condition, by perimeter location

**WOOD BRACE & CORNER POSTS:**

\_\_\_ Good Condition. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**BARBED WIRE "FABRIC":**

\_\_\_ Good Condition – fence repaired since June visit. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**WARNING SIGNS ALONG FENCE (placed ~ every 350 feet)**

Good Condition. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**GATE CONDITION & SECURITY:**

\_\_\_ Gate is locked, good condition. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**SIGNS OF INTRUSION (include photos):**

\_\_\_ None. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**VEGETATIVE COVER INSPECTION**

Walk the surface of the Repository along at least 3 transects and walk the perimeter paying attention to the following:

**VEGETATIVE BARE SPOTS:**

\_\_\_ Small bare patches on northeast corner. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**WEED INFESTATIONS (presence & degree – include photos):**

\_\_\_ Minor presence of leafy spurge, cheatgrass and vetch. \_\_\_\_\_

**EROSION INSPECTION**

This inspection can be part of the two inspections listed above. Describe location & severity of any cap damage.

SIGNIFICANT SURFACE DEPRESSIONS that could accumulate water, include photos:

None. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**EXCESSIVE EROSION**

Rills & gullies > 2 inches of penetration (include location & degree, i.e. penetration depth, together with photographs):

None. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Sloughing slopes ( “ ”):

None. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Undermined plant roots: ( “ ”) or animal burrows:

None. \_\_\_\_\_  
\_\_\_\_\_

**PHOTOGRAPH LOG**

| Photo #                               | Photo Direction | General Location | Notes |
|---------------------------------------|-----------------|------------------|-------|
| See attached photo log in Appendix B. |                 |                  |       |
|                                       |                 |                  |       |
|                                       |                 |                  |       |
|                                       |                 |                  |       |
|                                       |                 |                  |       |
|                                       |                 |                  |       |
|                                       |                 |                  |       |
|                                       |                 |                  |       |
|                                       |                 |                  |       |
|                                       |                 |                  |       |
|                                       |                 |                  |       |

**SECOND SEMIANNUAL INSPECTION (ONLY)**

**STORMWATER DITCH**

Integrity (& any damage):

Intact with no damage. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**ANNUALLY – 2 DRY WELLS:**

**Collect one (1) composited sample from the dry wells; analyze for PCBs only.**

Sample #: SDW-1

Sample time: 1130

Notes: Only one of the four dry wells contained water during the sampling event and was sampled. The Southwest well (SDW-1) was sampled by NewFields hydrologist Dan Hoffman with a disposable plastic bailer. The sample was stored on ice in a sample cooler and shipped directly to Energy Laboratories. Concentration of Aroclor 1254 was reported as 0.42 ug/L, all other results were non-detect. The reported concentration of Aroclor 1254 is below the Montana WQB-7 groundwater standard of 0.5 ug/L. A copy of the lab report is included as Appendix A.

**GENERAL COMMENTS**

Condition of repository is good, fence has been repaired.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**INSPECTOR**

**INSPECTION DATE**

Dan Hoffman-NewFields

9/30/16



# ANALYTICAL SUMMARY REPORT

October 07, 2016

NewFields  
1120 Cedar St  
Missoula, MT 59802-3911

Work Order: B16100138

Project Name: Stimson PCB Repository

Energy Laboratories Inc Billings MT received the following 1 sample for NewFields on 10/4/2016 for analysis.

| Lab ID        | Client Sample ID                    | Collect Date   | Receive Date | Matrix  | Test  |
|---------------|-------------------------------------|----------------|--------------|---------|---|
| B16100138-001 | SDW-1 Stimson<br>Southwest Dry Well | 09/30/16 11:30 | 10/04/16     | Aqueous | Polychlorinated Biphenyls (PCB's)<br>Separatory Funnel Liquid Liquid Ext. |

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 PCB Repository  
**Lab ID:** B16100138-001  
**Client Sample ID:** SDW-1 Stimson Southwest Dry Well

**Report Date:** 10/07/16  
**Collection Date:** 09/30/16 11:30  
**Date Received:** 10/04/16  
**Matrix:** Aqueous

| Analyses                                | Result | Units | Qualifiers | RL     | MCL/<br>QCL | Method  | Analysis Date / By   |
|---|--------|-------|------------|--------|-------------|---------|----------------------|
| <b>POLYCHLORINATED BIPHENYLS (PCBS)</b> |        |       |            |        |             |         |                      |
| Aroclor 1016                            | ND     | ug/L  |            | 0.50   |             | SW8082A | 10/06/16 02:53 / jem |
| Aroclor 1221                            | ND     | ug/L  |            | 0.50   |             | SW8082A | 10/06/16 02:53 / jem |
| Aroclor 1232                            | ND     | ug/L  |            | 0.50   |             | SW8082A | 10/06/16 02:53 / jem |
| Aroclor 1242                            | ND     | ug/L  |            | 0.50   |             | SW8082A | 10/06/16 02:53 / jem |
| Aroclor 1248                            | ND     | ug/L  |            | 0.50   |             | SW8082A | 10/06/16 02:53 / jem |
| Aroclor 1254                            | 0.42   | ug/L  | J          | 0.50   |             | SW8082A | 10/06/16 02:53 / jem |
| Aroclor 1260                            | ND     | ug/L  |            | 0.50   |             | SW8082A | 10/06/16 02:53 / jem |
| Aroclor 1262                            | ND     | ug/L  |            | 0.50   |             | SW8082A | 10/06/16 02:53 / jem |
| Aroclor 1268                            | ND     | ug/L  |            | 0.50   |             | SW8082A | 10/06/16 02:53 / jem |
| Surr: Decachlorobiphenyl                | 89.0   | %REC  |            | 44-130 |             | SW8082A | 10/06/16 02:53 / jem |
| Surr: Tetrachloro-m-xylene              | 83.0   | %REC  |            | 40-110 |             | SW8082A | 10/06/16 02:53 / 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.   | MCL - Maximum contaminant level.          |
| QCL - Quality control limit.  | ND - Not detected at the reporting limit. |
| J - Estimated value. The analyte was present but less than the reporting limit. |   |



# QA/QC Summary Report

Prepared by Billings, MT Branch

**Client:** NewFields  
**Project:** Stimson PCB Repository

**Report Date:** 10/07/16  
**Work Order:** B16100138

| Analyte   | Result                        | Units | RL                  | %REC | Low Limit | High Limit | RPD            | RPDLimit | Qual |
|---|-------------------------------|-------|---------------------|------|-----------|------------|----------------|----------|------|
| <b>Method: SW8082A</b>  |                               |       |                     |      |           |            | Batch: 103282  |          |      |
| <b>Lab ID: MB-103282</b>  | Method Blank                  |       | Run: HECD.I_161005A |      |           |            | 10/06/16 01:33 |          |      |
| Aroclor 1016  | ND                            | ug/L  | 0.50                |      |           |            |                |          |      |
| Aroclor 1221  | ND                            | ug/L  | 0.50                |      |           |            |                |          |      |
| Aroclor 1232  | ND                            | ug/L  | 0.50                |      |           |            |                |          |      |
| Aroclor 1242  | ND                            | ug/L  | 0.50                |      |           |            |                |          |      |
| Aroclor 1248  | ND                            | ug/L  | 0.50                |      |           |            |                |          |      |
| Aroclor 1254  | ND                            | ug/L  | 0.50                |      |           |            |                |          |      |
| Aroclor 1260  | ND                            | ug/L  | 0.50                |      |           |            |                |          |      |
| Aroclor 1262  | ND                            | ug/L  | 0.50                |      |           |            |                |          |      |
| Aroclor 1268  | ND                            | ug/L  | 0.50                |      |           |            |                |          |      |
| Surr: Decachlorobiphenyl  |                               |       | 0.050               | 102  | 44        | 130        |                |          |      |
| Surr: Tetrachloro-m-xylene  |                               |       | 0.050               | 83   | 40        | 110        |                |          |      |
| - Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis. |                               |       |                     |      |           |            |                |          |      |
| <b>Lab ID: AR1254-103282</b>  | Laboratory Control Sample     |       | Run: HECD.I_161005A |      |           |            | 10/06/16 01:59 |          |      |
| Aroclor 1254  | 8.64                          | ug/L  | 0.50                | 86   | 55        | 132        |                |          |      |
| Surr: Decachlorobiphenyl  |                               |       | 0.050               | 103  | 44        | 130        |                |          |      |
| Surr: Tetrachloro-m-xylene  |                               |       | 0.050               | 78   | 40        | 110        |                |          |      |
| - Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis. |                               |       |                     |      |           |            |                |          |      |
| <b>Lab ID: B16100138-001AMB</b>   | Sample Matrix Spike           |       | Run: HECD.I_161005A |      |           |            | 10/06/16 03:19 |          |      |
| Aroclor 1254  | 9.67                          | ug/L  | 0.50                | 92   | 55        | 132        |                |          |      |
| Surr: Decachlorobiphenyl  |                               |       | 0.050               | 92   | 44        | 130        |                |          |      |
| Surr: Tetrachloro-m-xylene  |                               |       | 0.050               | 85   | 40        | 110        |                |          |      |
| - Sample extract received a Sulfuric Acid Clean-up (EPA Method 3665) and a Sulfur Clean-up (EPA Method 3660) prior to analysis. |                               |       |                     |      |           |            |                |          |      |
| <b>Lab ID: B16100138-001ADB</b>   | Sample Matrix Spike Duplicate |       | Run: HECD.I_161005A |      |           |            | 10/06/16 03:46 |          |      |
| Aroclor 1254  | 9.42                          | ug/L  | 0.50                | 90   | 55        | 132        | 2.6            | 40       |      |
| Surr: Decachlorobiphenyl  |                               |       | 0.050               | 90   | 44        | 130        |                |          |      |
| Surr: Tetrachloro-m-xylene  |                               |       | 0.050               | 83   | 40        | 110        |                |          |      |
| - 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

B16100138

Login completed by: Tabitha Edwards

Date Received: 10/4/2016

Reviewed by: BL2000\lcaureau

Received by: qej

Reviewed Date: 10/5/2016

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: 11.0°C On Ice
- Water - VOA vials have zero headspace? Yes  No  Not Applicable
- 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





Photo 1. West slope looking NNE.



Photo 2. South slope looking N.



Photo 3. NE corner  
from base, looking SW.



Photo 4. SW corner  
from base, looking E.



Photo 5. Top from SE, looking SE.



Photo 6. SW corner from top, looking SW.



Photo 7. SW Dry well, stormwater sample collection site.



Photo 8. E slope from top, looking E.



Photo 9. Top NE corner, looking NE.



Photo 10. Repaired fence near gate.