

October 31, 2023

Mr. Chris Swain
Bureau of Remediation and Waste Management
Maine Department of Environmental Protection
17 State House Station
Augusta ME 04333

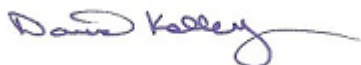
**Subject: Monthly Progress Report August 2023
Orrington Remediation Site
Orrington, Maine**

Dear Mr. Swain:

This Monthly Progress Report is submitted to Maine Department of Environmental Protection (DEP) in compliance with reporting requirements in the Board of Environmental Protection (BEP) Order (Order) effective April 3, 2014, for the Orrington Remediation Site (Site) in Orrington, Maine, which incorporates, with modifications, the Compliance Order issued by the DEP dated November 24, 2008. This Report covers the period of **August 2023** and is submitted on behalf of Mallinckrodt US LLC.

If you have questions regarding this report, please contact me at 774-284-2207

Sincerely,



David Kelley
Sr. Remediation Program Manager

cc: (all electronic copies)
Kelly Bay – Director, Orrington Town Library
Chris Backman- Town Manager, Town of Orrington
Alan Snell– Chairman of Board of Selectman, Town of Orrington
Patricia Duft – Mallinckrodt US LLC
Stacy Ladner– Maine DEP
Max Luick- Maine DEP

**MONTHLY PROGRESS REPORT
ORRINGTON REMEDIATION SITE
Orrington, Maine
September 2023**

Report Date October 31, 2023

This Monthly Progress Report is submitted to the Maine Department of Environmental Protection (DEP) documenting the activities completed by Mallinckrodt US LLC (Mallinckrodt) and/or its representatives at the Orrington Remediation Site (the Site) along with a description of upcoming activities.

A discussion of all tasks and actions completed during the reporting period toward achieving compliance with the Order.

- The monthly Mallinckrodt – Maine DEP call was held on September 6, 2023.
- Additional other discussions and correspondence took place during the month to discuss Site activities as needed, including an in person meeting in Augusta to discuss challenges and options for work in the Plant Area on September 26, 2023
- Continued inspection and maintenance of site erosion and stormwater controls.
- Paved Sump Maintenance:
 - Paved Sump removed on 9/15/22.
 - Paved sump inlet pipe (Storm Drainpipe) removed on 9/13/22.
- Maintained the Log of quantities of any visual mercury recovered- log is attached.
- Disposal options for elemental Mercury have been evaluated and plans for disposal were discussed with Maine DEP. We are holding off on disposal until we complete work in other Plant areas.
- The on-site Maine DEP oversight inspector continued to participate in daily and weekly construction meetings in which current activities as well as a two-week look ahead are discussed. The on-site inspector also continued daily emails to summarize activities to ensure all parties agree on what is planned/accomplished.
- Continued operation of the perimeter air monitoring system and meteorological station
- Stockpile operations continue to support excavation material and rail car loading.
- Landfill 1 (CMI Plan – Rev2 Apr 30, 2018; DEP Conditional Approval Letter May 10, 2018; CMI Plan – Rev2 May 17, 2018 (revised to incorporate all conditions in DEP CAL)
 - no new activity
- Plant Area (Draft CMI Plan Feb 13, 2017; Phase 1 Excavation Memo Rev1 Jan 2, 2018; DEP Approval of Phase 1 Jan 9, 2018.) and Plant Area CMIP - Phase 1A (Retort-01 Area and Cell Building Pre-Trenching) work plan July 9,2019. -DEP conditional approval on July 12, 2019
 - SVE System operating with one blower extracting from SVE wells except (SVE-S-01, SVE-S-02, SVE-S-03, SVE-S-10, SVE-S-11, SVE-S-15, SVE-S-17, SVE-S-19, SVE-S-20, SVED-01, and SVE-D-04 which have been shutoff as part of the optimization plan.
 - Preparing soil sampling report for June 2023 event.
 - Received comments from Maine DEP on 2023 2nd Quarter Chloropicrin Area Report to Maine DEP on 9/08/23.
 - Performed quarterly GW sampling on September 11 through 13.

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- Carbon vessel changeout on 2 additional vessels performed 09/21/23.
- Plant Area Cell Building CMI Plan Scoping memo and associated plans August 7, 2019. DEP conditional approval September 6, 2019.
 - Managed E&S controls maintenance.
 - Submitted revised Plant Area Interim Closure Report to Maine DEP on July 16, 2021. Received Draft Dep Comments-Plant Area interim Closure report on September 15, 2021,
 - Submitted Plant Area Additional Soil boring work plan to Maine DEP on December 16, 2021, received approval with comments from Maine DEP on January 3, 2022. Submitted revised Plant Area additional boring work plan to Maine DEP on 01/17/22. Received MEDEP approval on February 2, 2022.
 - Drillers mobilized for additional soil borings and bedrock monitoring wells (Sevee lead) work on 2/14/22.
 - Draft Soil Boring logs were submitted to MEDEP on May 3, 2022.
- Plant Area CMI Plan: -Concrete and Utility removal Scope of work and associated Plans.
 - Submitted the Draft Plant Area Concrete and Utility Removal Scope of Work Memo and drawings to Maine DEP on 7/2/20. Received Maine DEP approval on 7/24/20.
 - Submitted a Draft Plant Area CMIP – Concrete and Utility Removal-Addendum (CUR) to Maine DEP on April 1, 2021.
 - Received correspondence from Maine DEP regarding modifications to the CUR addendum on April 20, 2021. Resubmitted a Draft CUR addendum 1 on 9/27/21. Received a modified Plan approval letter from Maine DEP on October 4, 2021. Submitted a revised Draft CUR addendum 1 to Maine DEP on November 4, 2021. Received notification on December 8,2021 that Maine DEP finds that our Revised Draft CUR Addendum 1 does not meet the requirements of the modified approval and is therefore unacceptable to the Department.
 - Submitted Concrete and Utility Removal CMI Plan-Addendum 2 to Maine DEP on 03/01/22. Received Approval on 1/03/2023.
 - Discussed overall plans for the Catch Basin 6/ Paved Sump CMI with Maine DEP on April 6 and 7 2022. Submitted a Draft excavation plan for this area on April 22, 2022. Held a technical call with Maine DEP on April 27, 2022, to discuss and revisited the CUR addendum 1 with Maine DEP. Received Maine DEP approval to proceed with CUR Addendum 1- PA 11-1 and 11-2 and CB6-1 and CB6-2 on April 27, 2022.
 - Submitted Addendum 3 to the Concrete Utility and Removal CMI Plan to Maine DEP on 06/09/22. Portions of the Catch Basin #6 and Paved Sump area (CB6-1,

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CB6-2, CB6-3, and CB6-4) are being excavated under Addendum 3 to the Plant Area Concrete and Utility Removal (CUR) CMI Plan as approved by Maine DEP via Email on June 2,2022 and subsequent comments via memo on June 17, 2022

- Submitted Catch Basin #6/ Paved Sump Correction Measures Implementation Plan to Maine DEP on July 19, 2022.
 - A Corrective Measures Implementation Plan (CMI) for excavation areas within the overall limits of the Catch Basin #6/ Paved Sump area as presented during our May 18, 2022, teleconference with the Maine DEP.
 - To keep remedial excavations moving forward during preparation and DEP review of this CMI plan specific areas will be addressed under the CUR Addendum 3.
 - Received comments from Maine DEP on August 10th and 11th 2022.
 - Responded to Maine DEP comments on August 12, 2022.
 - Received Maine DEP approval on August 24, 2022.
 - Submitted letter regarding excavation limits in CB6-6, CB6-8, and CB6-10 to Maine DEP on 5/22/23.

- Received Maine DEP approval for PA-5 area on January 3, 2023. This was submitted as addendum 2 to the Concrete and utility area CMI plan.
 - Submitted PA5-4 limits of excavation letter to Maine DEP on 5/23/23.
 - Received “approval” from Maine DEP on PA5-4 limits on 5/31/23.
- Submitted Addendum 1 to the Catch Basin #6/Paved Sump CMI Plan to Maine DEP on March 10, 2023
 - Addendum 1 includes two excavation areas (CB6-14 and CB6-15) that are downgradient of the former paved sump.
 - Received letter from Maine DEP on June 2, 2023, responding to Mallinckrodt’s proposed Addendum 1 to the Catch Basin #6/Paved Sump CMI Plan with modifications.
 - Provided an initial response on June 29, 2023, to the June 2, 2023, letter request to submit a report within 30 days detailing the work on the Cell Building Area that has been completed to date.
 - Submitted The revised Plant Area Interim Construction Closure Report which summarizes construction activities and additional closure activities completed to date in connection with the Cell Building remediation.
 - Received conditional approval from Maine DEP for Addendum 1 to the Catch Basin #6/Paved Sump CMI Plan on 6/30/23.

 - Completed excavation activities in CB6-14.
 - Performed one re-dig in CB6-14.

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- Performed ‘slot’ excavations in CB6-14.
- Collected as-built surveys of the CB6-14 area.
- Collected confirmation samples in CB6-14.
- Started backfilling approved areas of CB6-14.
- Continued compacting soils, passing density/moisture requirements.
- Conducted E&S controls maintenance.
- Continued to loadout soils to railcars.
- Dewatering procedures conducted as necessary.
- Schedule for Corrective action in remaining Plant areas.
 - Received a letter from Maine DEP dated June 2, 2023, requesting submittal of work plans for the remaining plant areas.
 - Mallinckrodt submitted a response on July 20, 2023, expressing some concerns and requesting a meeting with Maine DEP.
 - Received a letter from Maine DEP on July 31, 2023, requesting a detailed list of technical concerns and that a meeting be scheduled.
 - Mallinckrodt provided a response on August 31, 2023 detailing various technical concerns and provided available meeting dates.
 - A meeting was held in Augusta on September 26, 2023, to discuss the Plant area.
 - Received a letter from Maine DEP dated October 2, 2023, requesting submittal of A work plan for the Plant area by November 2, 2023
- Northern Drainage Ditch (CMI Closure Report Nov 27, 2017, DEP Approval Oct 16, 2018)
Continued to maintain erosion and sediment control measures.
- Southern Cove (CMI Closure Report Jan 14, 2018, DEP Approval Aug 3, 2018)
 - Continued to maintain erosion and sediment control measures adjacent to the Cove.
- Short-Term Comprehensive Monitoring Plan (Revised ST CMP Feb 24, 2017)
 - The Short-Term CMP includes monitoring of potential remediation impacts as well as ongoing monitoring of groundwater (GW), the GW extraction system (GWES) and Landfill 5.
 - Conducted routine monitoring according to the Short-Term Comprehensive Monitoring Plan (CMP) during the weeks of September 11 and 18. September monitoring comprised monthly and quarterly sampling of groundwater, surface water, and sediment in the vicinity of the Plant Area, and quarterly sampling of groundwater in accordance with Landfill 1 and Landfills 3-5 GWES, Landfill 5, Site Perimeter, Former Landfill 1 Vicinity, and Landfills 3-5 Vicinity monitoring plans.
 - Continued re-development of monitoring point MW-510-O1.
- Groundwater Final GW Extraction System (GWES) Plan Oct 16, 2017; DEP Approval Jan 9, 2018)

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- Following receipt of Maine DEP comments in the Final GWES design, submitted response and two revised drawings on Nov 6, 2018, and received Maine DEP approval on Nov 7, 2018, and began Final GWES construction on December 3, 2018.
- Updated the force-main and electrical/communication conduit alignment and provided updated site plan to Maine DEP on January 16, 2019. Maine DEP provided approval on January 17, 2019.
- Continued management and maintenance of Final LF1 GWES
- Groundwater at Landfills 3,4,5 (PD WP Jul 19, 2018)
 - Landfills 3-5 Bedrock Groundwater Testing Report and Extraction Design Plan (Design Plan) transmitted to Maine DEP on May 16, 2019. Maine DEP comments and conditional approval received June 13, 2019.
 - Received Maine DEP approval on the Landfill 3-5 GWES design on September 25, 2020.
 - Began operation of Landfills 3-5 GWES on March 8, 2021.
 - Continue management and maintenance of the LF 3-5 GWES
- Groundwater Model (Model Feb 22, 2016, DEP Acceptance of Model Sept 15, 2017)
 - No new activity
- Groundwater Treatment Plant (GWTP) Operation
 - Continued to collect mercury compliance samples from Outfall 001 (once per month with analysis per USEPA Method 1631) and Outfall 002 (one sample per quarter with analysis per USEPA Method 245.1) for transport to Katahdin Analytical Services (Katahdin) for analysis per the MEPDES permit dated May 3, 2019
 - Provided support to CDM as necessary for ongoing remedial site activities including routine treatment of excavation/ construction water generated during remedial activities.
 - The average daily flow through the GWTP was 53,884 gallons. The flows consisted of 119,588 gallons from construction dewatering, and 85,050 gallons from the SSIT. Total flow through the Plant was 1,620,280 gallons for September.
 - Per the Woodard & Curran operator no TSS analysis was required in July.
 - Provided support to Anchor QEA for their work associated with compiling Site data.
 - Submitted the August 2023 NetDMR, and the Toxscan Report on September 5th.
 - Continued sludge pressing during September with 9 press runs, more planned in October.
 - Completed installing new placards on all building entrance and exits.
 - Conducted the annual boiler cleaning, and preventative maintenance interval.
 - Ordered replacement seal for plant process pump P-2120, leaking.
- Other Site Activities
 - Completed routine site maintenance activities.

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A detailed summary of all results of sampling, tests, shipments from the Site and other data received by Mallinckrodt in the prior (previous month) reporting period pursuant to this Order.

- Air monitoring and meteorological data is collected continuously by the perimeter air monitoring system and stored in the computer system. Weekly reports are sent to Mallinckrodt. Mallinckrodt will notify the Maine DEP of exceedances in accordance with the updated notification protocol sent to Maine DEP on Aug 28, 2018. An annual report of all data for the preceding year will be submitted to DEP by March 1 of the following year.
- Unvalidated data and laboratory reports are submitted to Maine DEP via the automated database system as they are available. Data validation is conducted by TechLaw as outlined in the Maine DEP approved Data Validation Protocol dated Jan 29, 2018, and a summary of the validation results sent to Maine DEP and Mallinckrodt.
 - Received laboratory analytical data from samples obtained in August according to the Short-Term CMP. Data were submitted to MEDEP following completion of internal quality control review.
 - Received laboratory analytical data from samples obtained in September according to selected monitoring programs. Data will be submitted to MEDEP following receipt of and completion of internal quality control for September monitoring data.

Completed Areas:

- Landfill Ridge Area (CMI Closure Report Feb 3, 2017; DEP Acceptance Aug 21, 2017)
- Landfill 2 (CMI Closure Report Dec 21, 2017; DEP Approval Jul 2, 2018)
- Landfills 3, 4 and 5 (CMI Closure Report Jul 25, 2017; DEP Acceptance Oct 3, 2017)
- Scrap Metal Yard (CMI Closure Report Jul 25, 2017; DEP Acceptance Oct 3, 2017)
- Southerly Stream (CMI Closure Report Nov 15, 2017, DEP Approval Oct 16, 2018)
 - Continue to maintain erosion and sediment control measures and cap inspections as appropriate.

A discussion of all tasks and actions scheduled for the coming reporting period including the date for initiating and completing such activities including percent completion where applicable.

- Continue technical discussions with Maine DEP on remediation activities and pending submittals.

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- Continue to include the on-site Maine DEP oversight inspector in daily and weekly construction meetings.
- Continue to review the on-site Maine DEP oversight inspector emails outlining planned and completed activities to ensure no miscommunication.
- Continue operation of the perimeter air monitoring system.
- Continue stockpile management of excavated materials and loading railcars for shipment.
- Continue to maintain and improve erosion and sediment control measures and cap inspections as appropriate in completed areas listed above.
- Continue to monitor restored areas.

- Landfill 1 (CMI Plan – Rev2 Apr 30, 2018; DEP Conditional Approval Letter May 10, 2018; CMI Plan – Rev2 May 17, 2018 (revised to incorporate all conditions in DEP CAL)
 - Monitor and maintain restored areas as needed.
- Plant Area (Draft CMI Plan Feb 13, 2017; Phase 1 Excavation Memo Rev1 Jan 2, 2018; DEP Approval of Phase 1 Jan 9, 2018.) and Plant Area CMIP - Phase 1A (Retort-01 Area and Cell Building Pre-Trenching) DEP approval on July 12, 2019
 - Submit monthly SVE monitoring data.
 - Continue SVE operation and implement changes per SVE Optimization memo based on Maine DEP discussions approval and comments and ongoing monitoring results.
 - Evaluate Soil performance monitoring data in the Chloropicrin areas and redevelop certain SVE wells.
 - Conduct activities consistent with the SVE optimization plan.
- Plant Area Cell Building CMI Plan Scoping memo and associated plans August 7, 2019; DEP conditional approval September 6, 2019
 - Maintain erosion and sediment controls.
 - Continue Ground water monitoring.
- Plant Area CMI Plan: -Concrete and Utility removal Scope of work and associated Plans and addendums
 - Submitted the Draft Plant Area Concrete and Utility Removal Scope of Work Memo and drawings to Maine DEP on 7/2/20. Received Maine DEP approval on 7/24/20.
- Catch Basin #6/ Paved Sump Correction Measures Implementation Plan to Maine DEP on July 19, 2022.
 - CB6 CMI Plan and PA5 CUR and CB6-Addendum 1Areas
 - CB6 CMI Plan and PA5 CUR Areas
 - Continue backfilling CB6-14
 - Begin CB6-15 excavation.
 - Dewatering procedures.
 - E&S controls maintenance.

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- Loadout soils.

- Northern Drainage Ditch (CMI Closure Report Nov 27, 2017, DEP Approval Oct 16, 2018)
 - Continue to maintain erosion and sediment control measures.
- Southern Cove (CMI Closure Report Jan 14, 2018, DEP Approval Aug 3, 2018)
 - Monitor vegetation growth and maintain as needed.
- Short-Term Comprehensive Monitoring Plan (Revised ST CMP Feb 24, 2017)
 - Conduct Short-Term CMP remediation monitoring in accordance with the approved plan.
 - Continue management and maintenance of GWES.

- Groundwater
 - Final GW Extraction System (GWES) Plan Oct 16, 2017; DEP Approval Jan 9, 2018)
 - Continue management and maintenance of LF1 GWES
 - Groundwater at Landfills 3,4,5 (PD WP Jul 19, 2018)
 - Continue management and Maintenance of Landfills 3-5 GWES operation.
 - Groundwater Model (Model Feb 22, 2016, DEP Acceptance of Model Sept 15, 2017)
 - No planned activity

- Groundwater Treatment Plant (GWTP) Operation
 - Complete additional winter prep maintenance activities.
 - Submit September 2023 NetDMR and Toxscans to MEDEP.
 - Continue to support CDM, Sevee & Mahar, and Anchor QEA with ongoing remedial site activities as needed.
 - Install new pump seal.
 - Complete filter press activity
 - Complete routine maintenance activities.

Other Site Activities:

NA

Tasks not completed as required, original and revised completion dates, reasons for delay, actions taken to minimize the delay and any other problems or anticipated problems.

None

As of the end of September 2023 the quantity of waste shipped is shown below:

- **Leach Field: Soil excavation and off-site disposal is complete.**
 - A total of 14 railcars, containing 1,379 tons (TSDF weight) of non-hazardous Leach Field soils, have been shipped off site to Republic facility in Niagara Falls, New York.
- **Landfill Ridge: Soil excavation and off-site disposal is complete.**
 - A total of 564 railcars, containing 55,158 (TSDF weight) tons of non-hazardous Landfill Ridge soils, have been shipped off site.

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- 534 railcars to the Republic disposal facility in Niagara Falls, New York
- 30 railcars to the US Ecology Stablex disposal facility in Quebec, Canada.
- **Scrap Metal Yard: Soil excavation and off-site disposal is complete.**
 - A total of 413 railcars, containing 40,556 tons (TSDf weight) of non-hazardous Scrap Metal Yard soils, have been shipped off site.
 - 412 railcars to the Republic disposal facility in Niagara Falls, New York
 - 1 railcar to the US Ecology Stablex disposal facility in Quebec, Canada.
- **Northern Drainage Ditch: Soil excavation and off-site disposal is complete.**
 - A total of 307 railcars, containing 29,440 tons (TSDf weight) of non-hazardous Northern Drainage Ditch soils, have been shipped off site.
 - 307 railcars to the Republic disposal facility in Niagara Falls, New York
 - 0 railcars to the US Ecology Stablex disposal facility in Quebec, Canada.
- **Southerly Stream: Soil excavation and off-site disposal is complete.**
 - A total of 112 railcars, containing 10,583 tons (TSDf weight) of non-hazardous Southerly Stream soils, have been shipped off site.
 - 102 railcars to the Republic disposal facility in Niagara Falls, New York
 - 10 railcars to the US Ecology Stablex disposal facility in Quebec, Canada.
- **Landfill 2: Soil excavation and off-site disposal is complete.**
 - A total of 441 railcars containing Landfill 2 soils have been shipped off site to date.
 - 118 railcars of 11,557 tons (TSDf weight) of non-hazardous Landfill 2 soils
 - 108 railcars to the Republic disposal facility in Niagara Falls, New York
 - 10 railcars to the US Ecology Stablex disposal facility in Quebec, Canada.
 - 323 railcars containing 31,497 tons (Site weight) of hazardous (listed waste) soils to the US Ecology Stablex disposal facility in Quebec, Canada
- **Southern Cove: Sediment removal and off-site disposal is complete.**
 - A total of 190 railcars containing 18,548 tons (TSDf weight) of non-hazardous Southern Cove sediments, have been shipped off site.
 - 190 railcars to the Republic disposal facility in Niagara Falls, New York
 - 0 railcars to the US Ecology Stablex disposal facility in Quebec, Canada.
- **Landfill 1: Soil excavation and shipments Complete.**
 - A total of 886 railcars of Landfill 1 soils have been shipped off site.
 - 676 railcars containing 66,111.70 tons (TSDf weight) of non-hazardous Landfill 1 soils.
 - 676 railcars to the Republic disposal facility in Niagara Falls, New York
 - 210 railcars containing 20,506.1 tons (TSDf weight) of hazardous Landfill 1 soils.
 - 210 railcars to the US Ecology Stablex disposal facility in Quebec, Canada
- **Plant Area Phase 1: Soil excavation and shipments are complete.**

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- A total of 303 railcars containing 29,490.73 tons (TSDF weight) of non-hazardous soils have been shipped from the Site:
 - 283 railcars to the Republic disposal facility in Niagara Falls, New York
 - 20 railcars to the US Ecology Stablex disposal facility in Quebec, Canada.
- **Plant area Phase 1 A and Cell Building Soils excavation and shipments are complete.**
 - A Total of 707 rail cars of Plant Area Phase 1 A and Cell Building soils have been shipped off site to date.
 - 222 railcars containing 21,520.28 tons of non- hazardous soils (TSDF weight)
 - 221 railcars to the Republic disposal facility in Niagara Falls, New York
 - 1 railcar 97 tons to US ecology Stablex disposal facility in Quebec
 - 485 railcars containing 47,249.75 tons of hazardous Soils (site weight)
 - 485 railcars to the US Ecology Stablex disposal facility in Quebec, Canada
- **Plant Area Concrete and Utility Removal (CUR) And CB6/ Paved Sump soil excavations and shipments are ongoing.**
 - In September 36 rail cars of Plant Area CUR/ CB6 soils and concrete were shipped off Site.
 - 36 rail cars containing 3,506.65 tons Non-hazardous soils (site weight)
 - 0 Railcars containing 0 tons total CUR Haz (site weight)
 - A Total of 1,425 phase CUR/ CB6 Non-Haz Cars total shipped to date.
 - 1425 railcars containing 138,841.55 tons total (site weight) Phase CUR/CB6 Non-Haz shipped to date.
 - 1315 Railcars to the Republic disposal facility in Niagara Falls New York
 - 110 Railcars to Stabelex disposal facility in Quebec Canada.
 - A Total of 28 Phase IA/CUR Haz Cars shipped to date.
 - 28 railcars containing 2,697.85 tons total (site weight) Phase IA/CUR Haz shipped to date.
 - 28 Railcars to US Ecology Stabelex disposal facility in Quebec Canada.
- **Elemental Mercury- see attached log.**
 - 218 Lbs. total recovered since project inception.
 - 0 Lbs. recovered in June 2023
 - Shipments: NA
- **General Debris**

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- None.

Maine Hazardous Waste Fees

Under the DEP Hazardous Waste Transporter Program, EQ Northeast, Inc. pays \$60/ton to the Maine Hazardous Waste Fund for hazardous wastes transported and disposed off-site. **Updated through Q3 2022. The total paid under this program is \$ \$6,080,151.00 (by rail) and \$ 1,800.00 (by Truck) Updated for Q4 2022**

- The 2nd Quarter 2017 report lists 13,150.65 tons of hazardous soil transported by rail and disposed off site for a total fee of \$789,039 which was paid 9/28/17.
- The 3rd Quarter 2017 report lists 14,125.95 tons of hazardous soil transported by rail and disposed off site for a total fee of \$847,557 which was paid 12/1/17.
- The 4th Quarter 2017 report lists 4,190.10 tons of hazardous soil transported by rail and disposed off site for a total fee of \$251,406 which was paid.
- On Nov 13, 2017, an additional 30 tons of hazardous waste was transported by truck and disposed off site for a total fee of \$1,800.
- The 1st Quarter 2018 report lists 0 tons of hazardous soil transported and disposed off site.
- The 2nd Quarter 2018 report lists 4,288.20 tons of hazardous soil transported by rail and disposed off site for a total fee of \$257,292 which was paid 8/22/18.
- The 3rd Quarter 2018 report lists 8,4170.10 tons of hazardous soils transported by rail and disposed of off site for a total fee of \$ 505,026.00.
- The 4th Quarter 2018 report lists 7800.08 tons of hazardous soils transported by rail and disposed of off site for a total fee of \$ 468,048.00.
- The 1st and 2nd Quarter 2019 report lists 0 tons of hazardous soils transported by rail and disposed of off site for a total fee of \$ 468,048.00.
- The 3rd Quarter 2019 report lists 5,064.75tons of hazardous soils transported by rail and disposed of off site for a total fee of \$303,885.00/
- The 4th Quarter 2019 report lists 7,209.10 tons of hazardous soils transported by rail and disposed of off site for a total fee of \$432,546.00.
- The 1st Quarter 2020 report lists 9547.5 tons of hazardous soils transported by rail and disposed of off site for a total fee of \$572,850.00.
- The 2nd quarter 2020 report lists 8087.1 tons of hazardous soils transported by rail and disposed of off site for a total fee of \$485,226.00.
- The 3rd Quarter 2020 report lists 7696.05 tons of hazardous soils transported by rail and disposed of off site for a total fee of \$461,763.00.
- The 4th Quarter 2020 report lists 8963.7 tons of hazardous soils transported by rail and disposed of off site for a total fee of \$537,822.00.

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- The 1st Quarter 2021 report lists 97 tons of hazardous soil transported by rail and disposed off site for a total fee of \$5,820.00.
- The 2nd Quarter 2021 report lists 16,275.12 tons of hazardous soil transported by rail and disposed of off site for a total fee of \$58,476.
- The 3rd Quarter 2021 report lists 389.8 tons of hazardous soil transported by rail and disposed of off Site for a total fee of \$23,388.
- The 4th Quarter 2021 report lists 1,333.45 tons of hazardous soil transported by rail and disposed of off Site for a total fee off \$80,007.

Maine Statute 1319-I requires transporters of regulated hazardous materials (per 49 CFR 172.101) by rail to pay 15 cents/ton on the shipments. As of December 31, 2022, the total paid under this requirement is **\$70,073.61**.

Additional information regarding the progress of the work

- BeyondHoltraChem.com is periodically updated to reflect ongoing site activities.
- The *On the Penobscot* newsletter is issued periodically to update area residents on the Site.

Mercury Recovery Log

Date	Location	Quantity= LBS	Accumulated Weight
1/28/2016	Site thermostat switches	10	10
6/7/2018	Landfill #1	2	12
6/26/2019	Former cell building	8	20
7/25/2019	Retort area	8	28
8/14/2019	Former cell bldg. drying shed	10	38
9/10/2019	Former hypochlorite area	15	53
9/30/2019	Former cell building	12	65
10/1/2019	Former cell building	13	78
10/8/2019	Former cell building	14	92
10/9/2019	Former cell building	26	118
10/14/2019	Former cell building	21	139
1/13/2020	Former cell building	8	147
1/20/2020	Former cell building	5	152
1/21/2020	Former cell building	6	158
1/22/2020	Former cell building	7	165
1/29/2020	Former cell building	7	172
1/30/2020	Former cell building	8	180
1/31/2019	Former cell building	9	189
2/4/2020	Former cell building	9	198
2/12/2020	Former cell building	2	200
2/13/2020	Former cell building	3	203
3/10/2020	Former cell building	1	204
3/16/2020	Former cell building	1	205
5/1/2020	Former cell building	1	206
5/12/2020	Former hydrogen purasiv building	1	207
5/26/2020	Former cell building	4	211
6/4/2020	Former cell building	1	212
6/25/2020	Former cell building	3	215
7/22/2020	Former cell building	1	216
7/23/2020	Former cell building	1	217
7/27/2020	Former cell building	1	218
11/3/2020	Reweigh to confirm qty	0	218
Hg vessel tare weight 195 lbs.			
	Total:	218	