



REGION 3

PHILADELPHIA, PA 19103

DOCUMENTATION OF LONG TERM STEWARDSHIP ASSESSMENT

RCRA Corrective Action

Long Term Stewardship (LTS) RCRIS code: CA88P (evaluation #1)

Completed by: Kevin Bilash

Date: 9/23/24

Long-Term Stewardship Assessment Summary:

On August 13, 2024, the United States Environmental Protection Agency's (EPA) Region III Land, Chemicals, and Redevelopment Division representative, Kevin Bilash, conducted a long-term stewardship (LTS) assessment site visit at the Wabtec US Rail Inc. (Formerly General Electric (GE) Transportation) Facility located at 2901 East Lake Road in Erie, Pennsylvania (Facility).

The EPA has confirmed that the land use has not changed, the required institutional controls are in effect, and that the Wabtec Facility is in compliance with the remedy. The EPA has determined that the Wabtec US Rail Inc. LTS assessment is pass (CA88P).

Introduction:

LTS refers to the activities necessary to ensure that engineering controls (ECs) are maintained, institutional controls (ICs) continue to be enforced, and the remedy is protective based on current uses and exposures. The purpose of the EPA Region III LTS program is to periodically assess the efficacy of the implemented remedies and to update the community on the status of the Resource Conservation and Recovery Act (RCRA) Corrective Action facilities. The assessment is conducted in two-fold, which consists of a record review and a field inspection, to ensure that the remedies are implemented and maintained in accordance with the final decision.

Facility Background:

The Facility covers approximately 350 acres and includes 4 million square feet of manufacturing floor space in 16 major and several ancillary buildings. The north border is approximately 2,500 feet from the south shore of Lake Erie. The plant is bordered on its eastern side by Four Mile Creek, which runs north to Lake Erie and on its southern side by commercial railroad lines. Residential areas border the site to the west.

The Facility manufactures diesel and electric locomotives, motorized wheels for off-highway construction vehicles, propulsion equipment for mass transit, and drives for oil and gas well drilling rigs. The Facility processes include metalworking, fabricating and finishing. A natural gas-fired power plant is operated on-site to furnish electricity and steam in order to supply the processes. The Facility also operates an on-site industrial Wastewater Treatment Plant.

The Facility utilizes many materials, including petroleum products (diesel fuel, gasoline and lubricating oils), acids used in metal cleaning/etching and wastewater treatment, alkali cleaning solutions, solvents used in cleaning, painting and degreasing, and paints, thinners, varnishes and related materials.

In April 2017, EPA proposed a Statement of Basis to solicit public comment on its proposed remedy for the GE Transportation facility located in Erie, Pennsylvania. No comments were received. Consequently, the EPA made a determination that land and groundwater use restrictions, groundwater monitoring, implementation of health and safety measures, and compliance with a Pennsylvania Department of Environmental Protection (PADEP) Post-Closure Permit are necessary in a Final Decision issued on May 17, 2017.

EPA received notification that on February 25, 2019, the GE Transportation facility would no longer be affiliated with the GE Company and is now owned by Wabtec Corporation and operated by Wabtec US Rail, Inc.

Implementation Mechanism(s):

The Implementation Mechanism is the method for implementing ICs and ECs and other continuing obligations required as a condition of the Statement of Basis and Final Decision. An Environmental Covenant is the mechanisms being utilized to implement the Final Decision. An Environmental Covenant was recorded on October 9, 2018. The following ICs and ECs apply to the Wabtec US Rail Inc. Facility.

Institutional Controls (ICs) Status:

Activity and Use Limitations. The Property is subject to the following activity and use limitations, which the then current owner of the Property, and its tenants, agents, employees and other persons under its control, shall abide by:

(a) Grantor, its successors and assigns, shall not withdraw, use for human or animal consumption, or agricultural purposes the groundwater on, upon or under the Property.

(b) Grantor hereby restricts the uses of this Property to use as a nonresidential property, as defined as, any real property on which commercial, industrial, manufacturing or any other activity that is done for further development, manufacturing, or distribution of goods and services, intermediate and final business activities, research and development, warehousing, shipping, transport, remanufacturing, stockpiling of raw materials, storage, repair and maintenance of commercial machinery and equipment, and solid waste management. The term “non-residential” shall not include child or adult daycare uses or any type of school or educational use for children/young adults in grades kindergarten through twelfth grade; hospital, nursing home, or assisted living facility uses; hotel or motel uses; any other residential-style facility uses; or any similar accessory or incidental uses thereto, whether permanent or temporary. All residential use of the Property for the housing of human beings is prohibited.

(c) Grantor, its successors and assigns, shall ensure that any excavation or other intrusive activity that could result in contact with contaminated soil or groundwater within the affected areas identified on **Exhibit C-1**, which metes and bounds descriptions of the areas provided as **Exhibit C-2**, both of which are incorporated by reference herein, are performed in compliance with the comprehensive Institutional

Controls Management Plan for the Property, dated March 23, 2018 (“ICM Plan”), attached hereto and made a part hereof. The affected areas are referred to hereinafter as the “Impacted Areas.”

Engineering Controls (ECs) Status:

Engineering controls are not explicitly detailed as required by the Final Decision. However, the wastewater treatment sludge landfill called the In-Plant Landfill identified as SWMU 6 was proposed to continue to be addressed by Pennsylvania under its authorized RCRA program. Operation of SWMU 6 began in 1978 and ceased in September 1987. The In-Plant Landfill is approximately one-half acre in size and has a holding capacity of 2,400 cubic yards. The landfill is capped and maintenance is required (inspection, mowing, fence, etc.) which constitute as ECs.

Financial Assurance:

Financial Assurance is not required by the Final Decision.

Reporting Requirements/Compliance:

Appendix B of the ICM Plan contains the approved Groundwater Monitoring Plan detailing procedures to meet the Final Decision requirement that groundwater monitoring at monitoring well MW5-2 continue until groundwater concentrations are less than applicable MSCs for 1,2-DCA, cis-1,2-DCE, TCE, and vinyl chloride.

Wabtec US Rail Inc. is in compliance with this requirement as it has continued to perform the groundwater sampling and reporting as evidenced by Groundwater Monitoring Summary Report Spring 2024 received on July 29, 2024.

Mapping:

The Facility EPA Corrective Action Hazardous Waste Cleanup Web Fact Sheet contains accurately mapped property and SWMU boundaries with functional and correct links to the described activity use limitations as shown in the screenshot below.



Current Site Status:

Currently, the Facility use continues to be industrial use. Wabtec US Rail Inc. performs the same activities as assessed during EPA’s issuance of a Statement of Basis and Final Decision.

Long-term Stewardship Site Visit:

On August 13, 2024, EPA conducted an LTS site visit with Wabtec US Rail Inc. to discuss and assess the status of the implemented remedy at the Facility. EPA arrived at 9 A.M. to begin the site visit.

The attendees were:

Name	Organization	Email Address
Kevin Bilash	US EPA Region III	bilash.kevin@epa.gov
Christopher Emanuele	Wabtec US Rail Inc.	Christopher.Emanuele@wabtec.com
Stephanie Siford	Wabtec US Rail Inc.	stephanie.siford@Wabtec.com

A meeting was first held in a conference room setting. EPA presented Wabtec US Rail Inc. with the purpose of the EPA Region III LTS program; to periodically assess the efficacy of the implemented remedies and to update the community on the status of the RCRA Corrective Action facilities. LTS related items discussed at the meeting included:

1. Continuance of the ICM
 - a. EPA inquired if the ICM was available and continued to be followed considering the change from GE to Wabtec. Wabtec confirmed the ICM is current and referenced as necessary to perform Corrective Action activities as well as document activity and use restrictions. Essentially, the change from GE to Wabtec was in ownership/name only and many personnel and operations remain the same as during EPA’s Final Decision timeframe.
2. PADEP landfill
 - a. Wabtec explained that the post-closure permit period is satisfied and the permit is expired. PADEP approved via email a continuation of maintenance activities and inspects the landfill annually along with other PADEP program Facility inspections. The most recent inspection was 1/25/24. EPA requested a copy of the PADEP approval email for our records. Wabtec supplied this correspondence on 8/15/24.
3. Environmental Justice (EJ)
 - a. EPA asked if the Facility received much interest or questions from the public as it was identified as being located in an EJ area and was not directly discussed during the issuance of the Final Decision. Note EPA did not receive comments during the public notice period. Wabtec explained they do not receive inquiries or other interest from local groups or citizens. The Erie Coke Plant, which is not a Corrective Action site, receives much more focus and is overseen by the EPA Superfund Program and the PADEP.
4. Releases
 - a. EPA inquired about any new releases since the Final Decision was issued in 2017. Wabtec said there were 3 very minor releases from machinery or equipment that was reported and addressed by PADEP. These were not from RCRA Corrective Action units and were below reportable quantities but Wabtec reports all releases to PADEP as a conservative action.

5. Polyfluoroalkyl Substances (PFAS)

- a. EPA discussed the current status of adding PFAS to the hazardous substance list and inquired if Wabtec knew/researched if PFAS was ever used at the Facility. Wabtec mentioned that they do have fire suppression systems installed on-site and that it is possible PFAS was used at some time. EPA suggested that Wabtec proactively research whether PFAS was used and provided suggestions on where to begin initial sampling if determined to be necessary. Wabtec asked about SOPs for sampling PFAS which EPA provided upon return to the office.

6. Groundwater

- a. EPA's Final Decision requires groundwater sampling in SWMU-5 until concentrations are less than applicable MSCs for 1,2-DCA, cis-1,2-DCE, TCE, and vinyl chloride. Wabtec US Rail Inc. continues to perform the required groundwater sampling since the ownership change from GE. The most recent Groundwater Monitoring Summary Report - Spring 2024 was received on July 29, 2024.

Following the meeting, a site tour began at approximately 10:30 A.M. Due to confidentiality reasons, EPA was not permitted to take photos, but Wabtec offered to take the photos of the desired areas and supplied to EPA to include in this LTS assessment. Pictures of areas visited are included as Attachment A of this LTS Report. The areas visited on the site tour, in order, were:

SWMU 6/PADEP landfill: No land changes since Final Decision. We walked the perimeter of the landfill and noticed the cap/cover appeared in tact (no protrusions), grass mowed, fencing was complete, and signage was apparent.

SWMU 5: No changes since Final Decision. Required monitoring wells were observed in-place and protected from vehicles and damage (where appropriate).

SWMU 1: No noteworthy changes since Final Decision. Area was viewed and explained that the previous open parking lot area was covered with soil and seeded and acts as a beautification addition to the walking path used by employees only. The Final Decision requires implementation of health and safety measures for excavation in this area which was not necessary for the activities discussed.

SWMU 2: Wabtec explained that excavation did occur in one area since the Final Decision. A large piece of equipment installation required excavation to create a foundation inside of a building. The ICM Appendix C procedures were adhered to and no issues occurred. Wabtec provided EPA a Hazardous Materials Summary Report, which includes photos of the location and excavation. No noteworthy changes since the Final Decision were observed in the exterior area of SWMU 2.

The site visit concluded at approximately 12 P.M.

Conclusions and Recommendations:

In conclusion, the EPA has determined that the Facility is in compliance with the Final Decision and a pass status for the LTS assessment is appropriate. No action items or recommendations are needed.

Files Reviewed:

Groundwater Monitoring Summary Report - Spring 2024. Wabtec, July 29, 2024

EPA Corrective Action Hazardous Waste Cleanup Web Fact Sheet, April 22, 2019

Institutional Controls Management Plan – GE, March 2018

Appendix A: Environmental Covenant

Appendix B: Groundwater Monitoring Plan

Appendix C: Excavation/Trenching Work Permit

Corrective Action Final Decision for General Electric Transportation in Erie, Pennsylvania. EPA, May 27, 2017

Remedial EC/IC Summary Table

Facility Name	Wabtec US Rail Inc. (Formerly General Electric (GE) Transportation)			
Address	2901 East Lake Road in Erie, Pennsylvania			
EPA ID#	PAD			
Are there restrictions or controls that address:	Yes	No	Area(s)	Description of restrictions, controls, and mechanisms
Groundwater Use	x		Entire Facility	No groundwater withdraw or use for human, animal, or agricultural purposes (Environmental Covenant and Final Decision)
Residential Use	x		Entire Facility	Property restriction to commercial, industrial, or nonresidential use only (Environmental Covenant and Final Decision)
Excavation	x		Impacted Areas – SWMUs 1,2,5,6	Worker protection measures required for excavation or construction within impacted areas (Final Decision)
Vapor Intrusion		x		
Capped Area(s)	x		SWMU 6	No explicit requirements in Final Decision, but adherence to PADEP requirements includes cap
Other Engineering Controls	x		SWMU 6	Fence surrounding closed landfill
Other Restrictions		x		

LTS Checklist

<u>IC Review and Assessment Questions:</u>	<u>Yes</u>	<u>No</u>	<u>Notes</u>
• Have the ICs specified in the remedy been fully implemented? Implementation mechanism in place?	x		Environmental Covenant recorded in 2018
• Do the ICs provide control for the entire extent of contamination (entire site or a specific portion)?	x		
• Are the ICs eliminating or reducing exposure of all potential receptors to known contamination?	x		
• Are the ICs effective and reliable for the activities (current and future) at the property to which the controls are applied?	x		
• Have the risk of potential pathway exposures addressed under Corrective Action changed based on updated screening levels and new technologies?		x	
• Are modifications to the IC implementation mechanism needed? (i.e. UECA Covenant, Permit or Order)		x	
• Are there plans to develop or sell the property?		x	
• Have all reporting requirements been met?	x		

<u>Groundwater Review and Assessment Questions:</u>	<u>Yes</u>	<u>No</u>	<u>Notes</u>
• Is groundwater onsite used for potable purposes?		x	
• Is the Facility connected to a public water supply?	x		
• Have any new wells been installed at the facility?		x	
• Are the current groundwater flow rate and direction similar as mentioned in the previous studies?	x		
• Groundwater contaminants stable or decreasing in concentration?	x		Documented in Groundwater Monitoring Summary Report - Spring 2024. Wabtec, July 29, 2024
• Are groundwater monitoring wells still in place (# wells)?	x		
• Any evidence or reason to re-evaluate the number and location of monitoring points and/or monitoring frequency?		x	

• For wells where groundwater monitoring is no longer required, have the wells be decommissioned?	x		
• Is there evidence of monitored natural attenuation occurring in groundwater?	x		
• Has (active remediation system) been maintained as necessary?		x	No active remediation system is required by the Final Decision.
• Is the (groundwater containment system) effectively containing COCs and protecting potential receptors (surface water body and/or groundwater resource) via hydraulic control?			No groundwater containment system is required by the Final Decision.
• Have notification letters been sent to the local POTW, County Department of Health, and Planning and Zoning Department regarding groundwater use restrictions?			Unknown. Notifications are not required by the Environmental Covenant.

<u>Surface and Subsurface Soil Review and Assessment Questions:</u>	<u>Yes</u>	<u>No</u>	<u>Notes</u>
• Is the facility being used for residential purposes or purposes not covered by the IC?		x	
• Have there been recent construction or earth-moving activities or plans for such?	x		Equipment installation required excavation in SWMU 2. Wabtec followed procedures in ICMP and submitted a Hazardous Materials Summary Report

<u>Engineered Cap or Cover Review and Assessment Questions:</u>	<u>Yes</u>	<u>No</u>	<u>Notes</u>
• Have geosynthetic/vegetative landfill caps (name) been properly maintained?	x		
• Have any repairs been necessary? (i.e. regrading, filling, root removal)		x	
• Is the leachate collection system operating and effectively preventing groundwater contamination?	x		

<u>Vapor Intrusion Review and Assessment Questions:</u>	<u>Yes</u>	<u>No</u>	<u>Notes</u>
• Have there been construction of new structures within the vapor intrusion restriction zone(s)?			Not applicable
• Is the vapor intrusion mitigation system radius of influence effective for the structure in which its installed?			Not applicable

<u>Miscellaneous Review and Assessment Questions:</u>	<u>Yes</u>	<u>No</u>	<u>Notes</u>
• Is the security fence intact?	x		
• Is the appropriate signage posted?	x		

Attachment A
Site Visit Photos



Picture 1: Closed in-plant landfill



Picture 2: SWMU 5 monitoring well MW BKG-1 and signage



Picture 3: SWMU 5 monitoring well MW 5-2 and signage



Picture 4: SWMU 1



Picture 5: SWMU 2