



RACER TRUST LANSING PLANTS 2, 3, & 6

2026 Second Quarter Progress Report | July 30, 2026

More detailed reports are available on RACER's Webpage for this Site:
<https://www.racertrust.org/properties/lansing-plant-2-industrial-land>

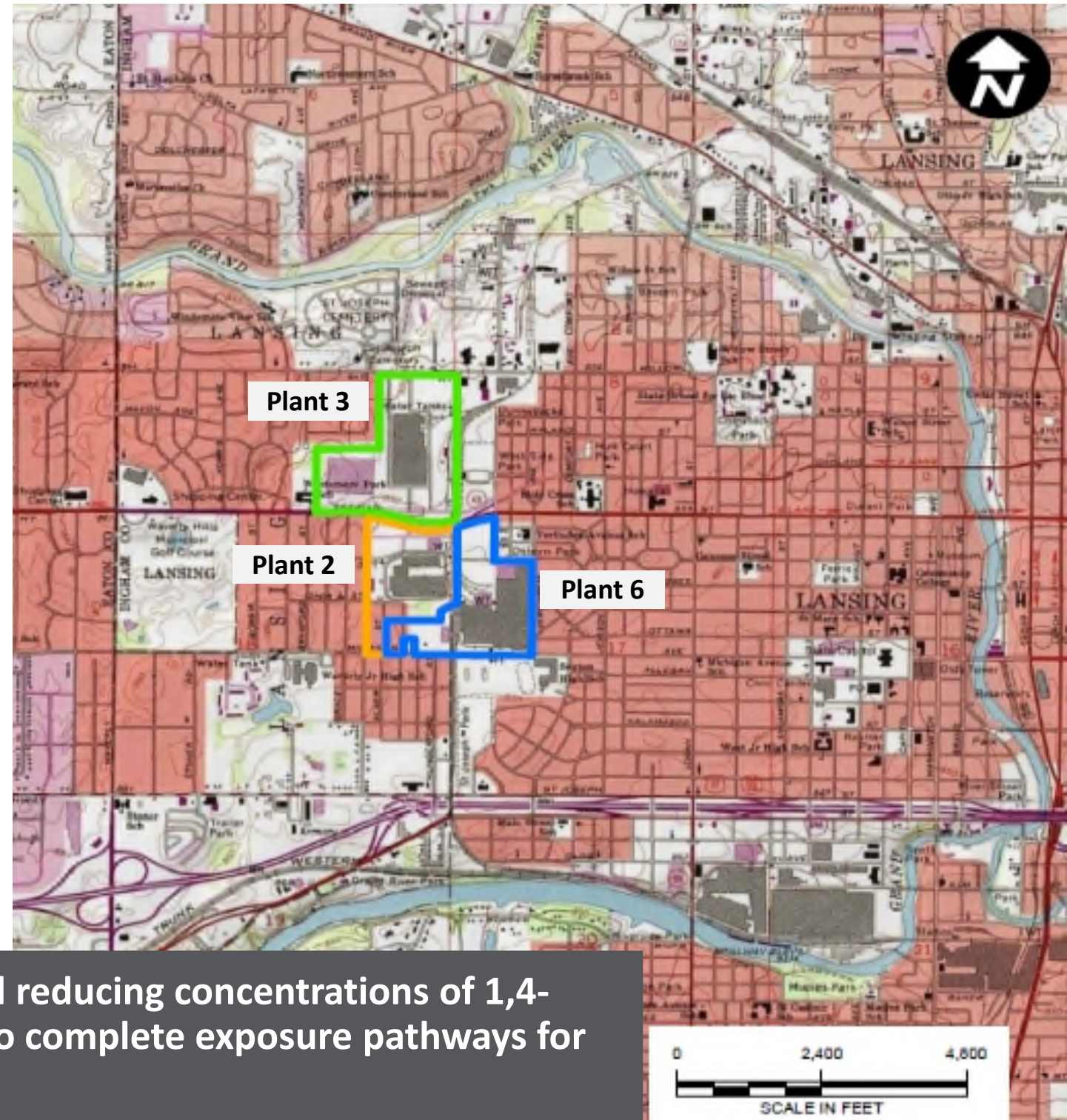
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Site Introduction

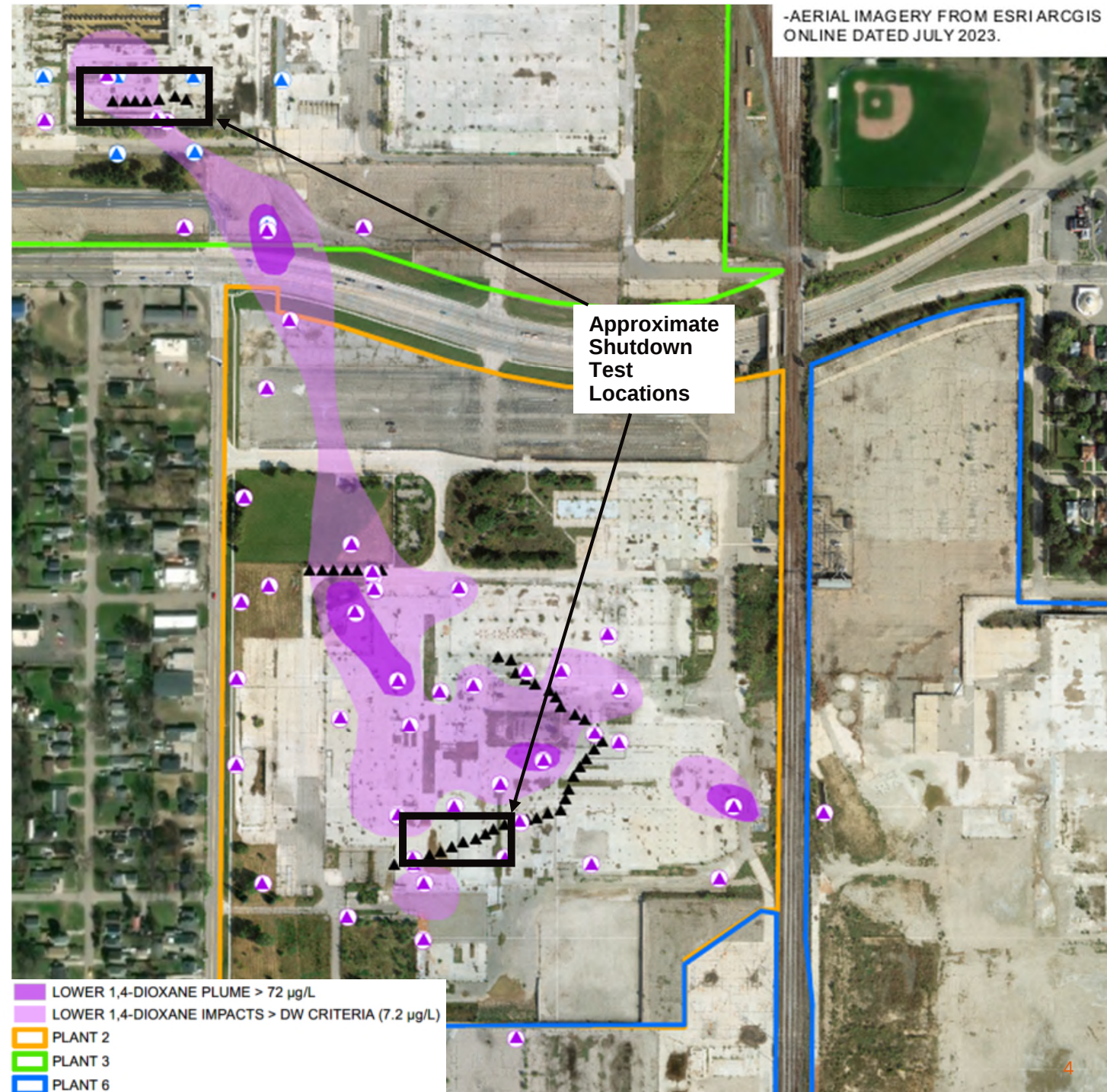
- Remediation at the RACER Lansing Site is being performed through the Resource Conservation and Recovery Act (RCRA) Corrective Action program under the oversight of the Michigan Department of Environment, Great Lakes, and Energy (EGLE).
- There is currently no known complete exposure pathways for area residents associated with the site contaminants.
- Remediation of 1,4-dioxane impacted groundwater in the weathered bedrock at a depth of approximately 60 to 75 feet below the ground surface includes operation of the Plant 2 and Plant 3 biosparge systems (The Plant 3 system began operating in 2019 and the Plant 2 system began operating in 2020). The biosparge systems have successfully reduced concentrations of 1,4-dioxane in the weathered bedrock.
- Routine groundwater monitoring on and in certain areas adjacent to Plants 2, 3, & 6 in the shallow (perched) zone, weathered bedrock, shallow bedrock, and deep bedrock is ongoing and is anticipated to continue for several years. Primary contaminants of concern are 1,4-dioxane and per- and polyfluoroalkyl substances (PFAS).

Activities completed during this period continued reducing concentrations of 1,4-dioxane in the weathered bedrock and verified no complete exposure pathways for area residents



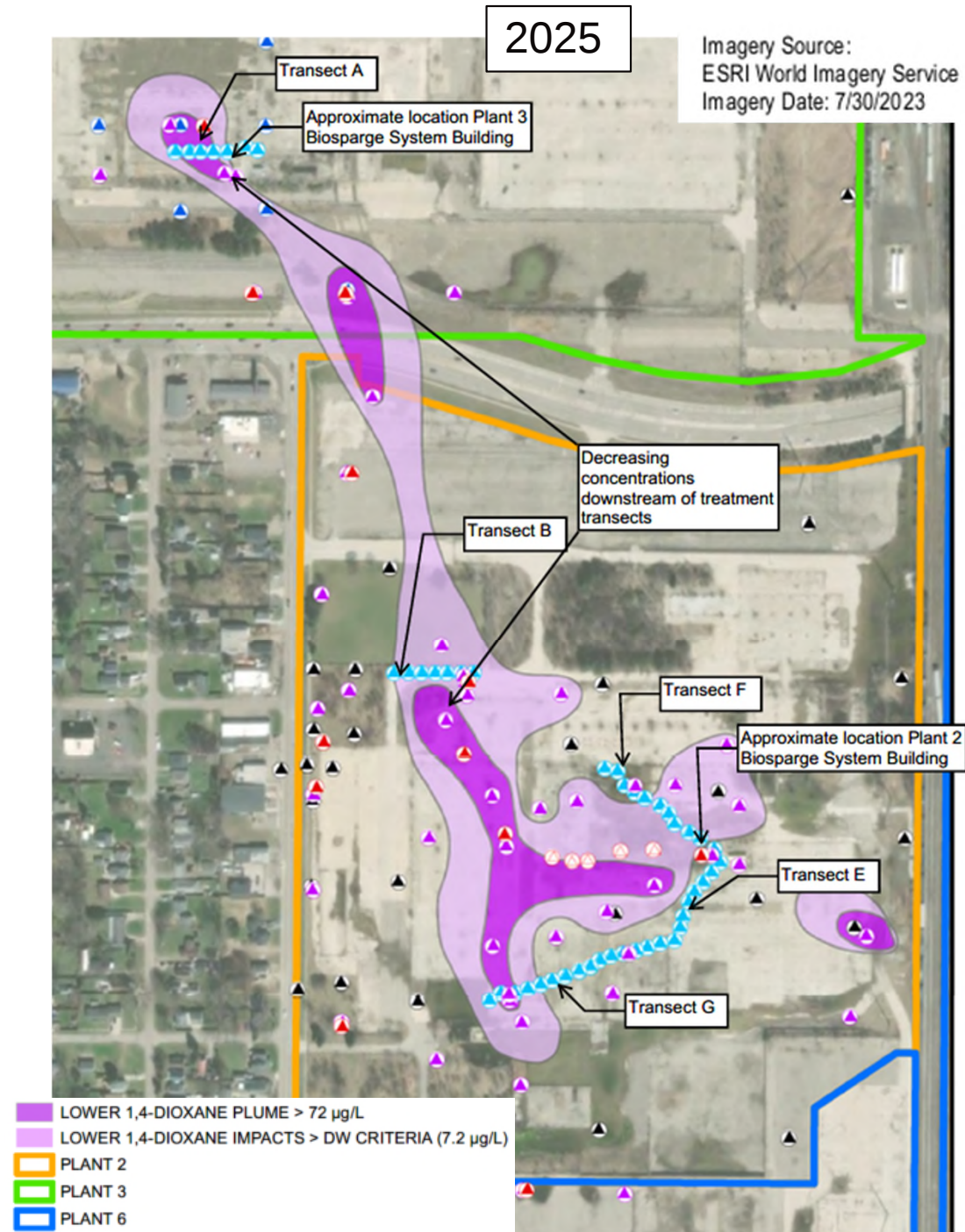
Remediation of 1,4-Dioxane in Weathered Bedrock

- A test was proposed to temporarily shut down portions of the biosparge system to evaluate how the groundwater concentrations respond and to assess if modifications to the operation of the biosparge system are needed to reduce concentrations further. EGLE provided conditional approval for the test on July 21, 2025.
- Shutdown testing was conducted in Second Quarter 2026 (April/May). Next event will be conducted in Third Quarter (July) and will be the final of four shutdown testing events before those portions of the biosparge system will be re-started (August) as outlined in the EGLE approved plan. Prior to re-start select well cleaning and nutrient injections will be completed (August).
- As discussed with EGLE and based on the data collected, the shut down test will continue as planned.
 - Transects A and G will remain off (transect locations identified in figure to the right) until completion of shutdown testing and will be re-started (August)
 - The remainder of the Plant 2 biosparge system is operating normally
 - Compressor maintenance was completed in Second Quarter 2026 in accordance with the EGLE approved shut down test plan



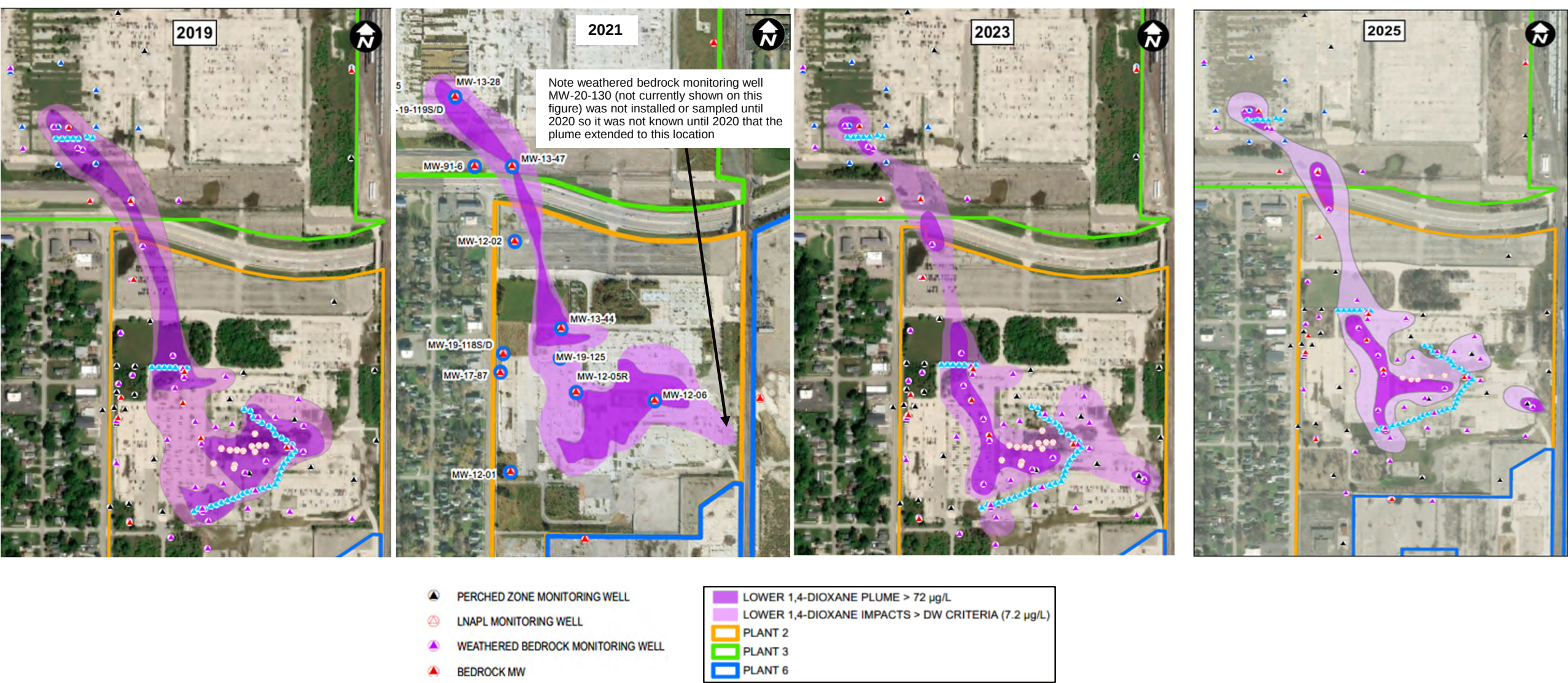
Remediation of 1,4-Dioxane in Weathered Bedrock

- Results of performance monitoring continue to show that the biosparge systems are achieving the short-term objective of reducing 1,4-dioxane concentrations and mass along the core of the weathered bedrock plume
- Based on several lines of evidence including stable, low-level 1,4-dioxane concentrations during the last several monitoring events, the biosparge system has successfully met its short- and long-term objectives in the vicinity of Transect F, and therefore a request to shut down Transect F and perform follow-up groundwater monitoring was submitted to EGLE on March 23, 2026. Awaiting EGLE approval to continue with shut down activities for Transect F.



Remediation of 1,4-Dioxane in Weathered Bedrock

Visual depiction of lower 1,4-dioxane plume (located within the deep overburden and weathered bedrock) distribution in 2019, 2021, 2023 and 2025

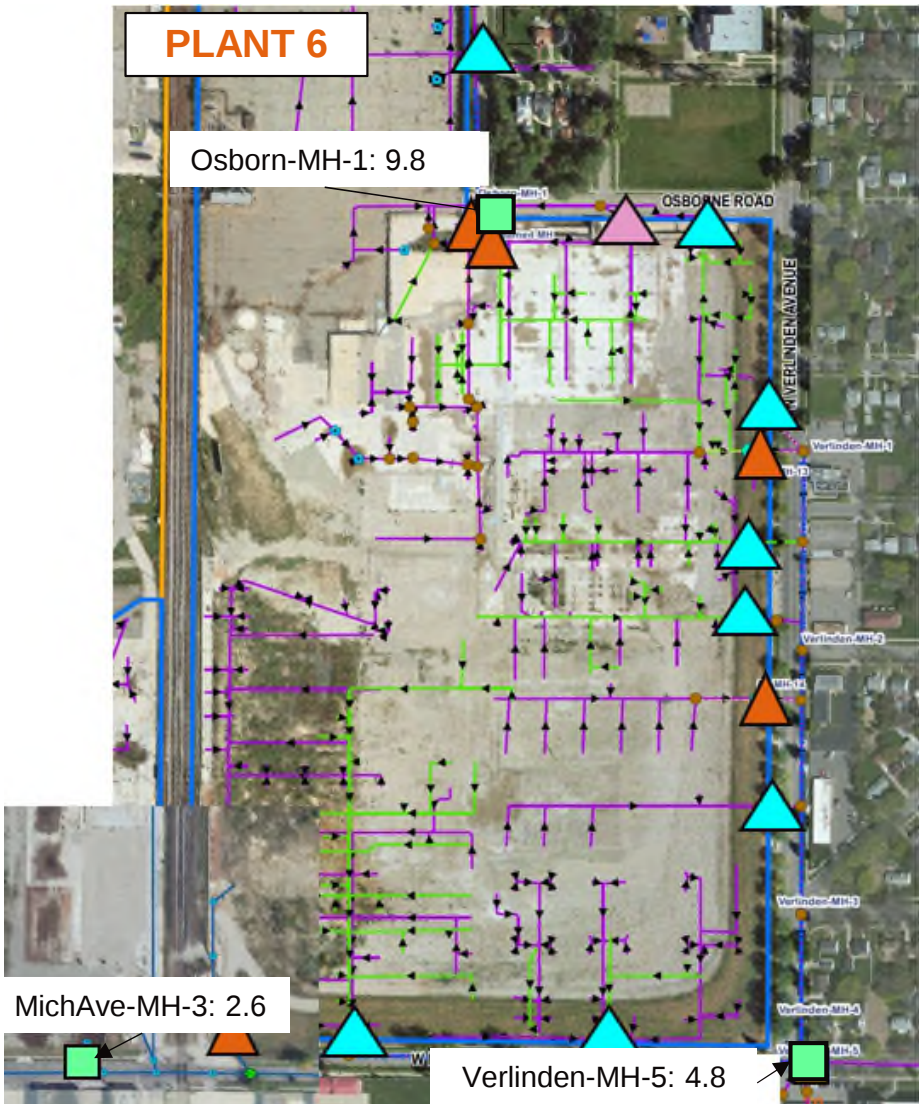
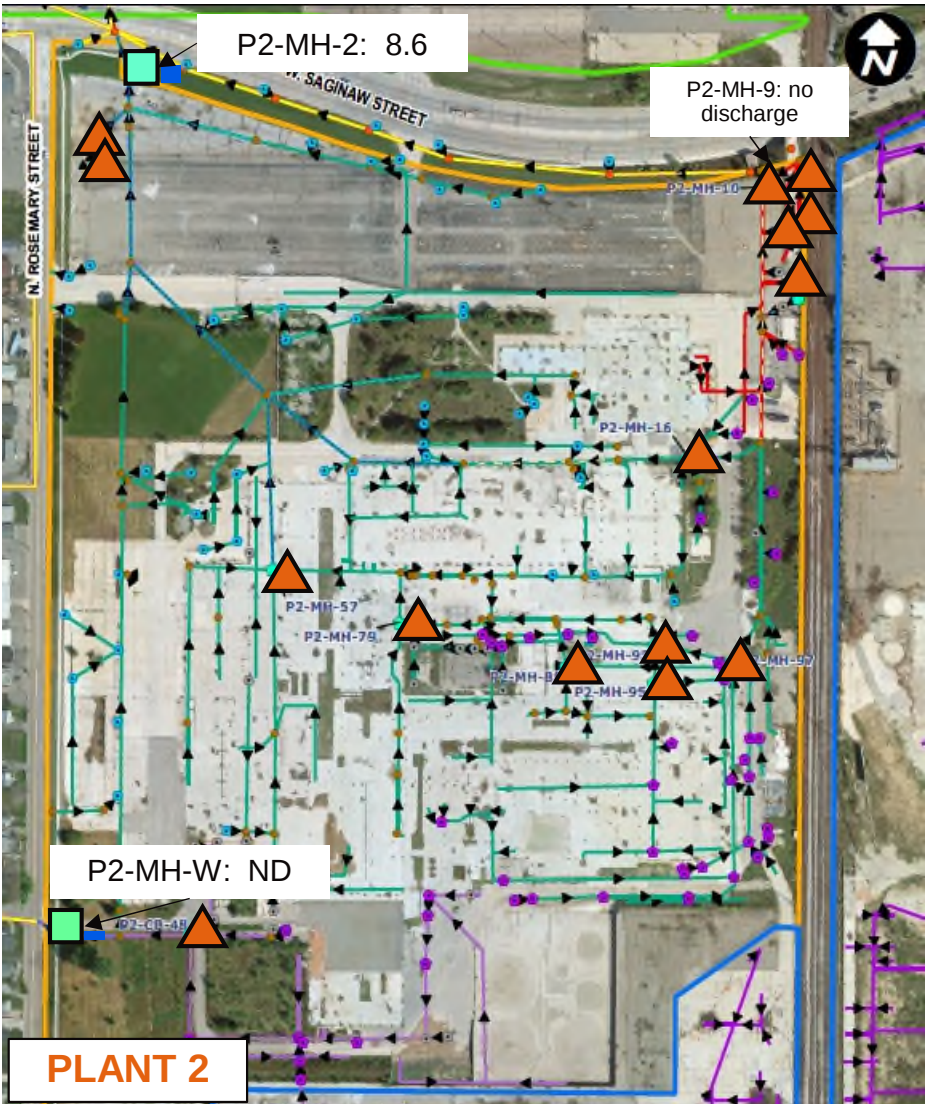
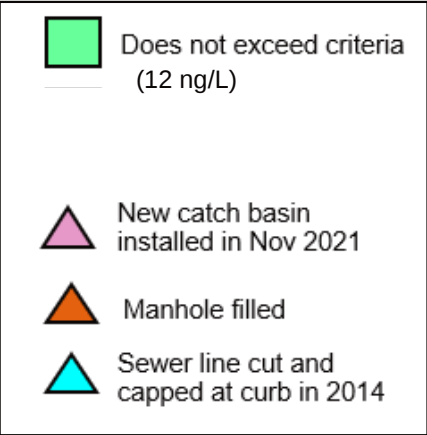


Monitoring PFAS Impacts



Storm Sewer Monitoring:

- First 2026 semi-annual site wide monitoring of storm sewers was conducted in May. Results for Perfluorooctanesulfonic acid (PFOS), the PFAS of concern, are depicted on figures to the right. Results are consistent with previous results and were all below the surface water comparison values for the May event.
- Next semi-annual sampling event will be completed Fourth Quarter 2026. Results will be summarized in the First Quarter 2027 Progress Report.



2026 Semi-Annual GW Sampling Summary

Semi-Annual monitoring activities consisted of the following:

- Second quarter 2026 – Semi-annual storm water sampling, groundwater gauging / sampling events completed from April 27 through May 6, 2026.

Groundwater data remained mostly consistent across the Site.

- Monitoring wells were sampled for VOCs and/or 1,4-dioxane per the 2025 revised IMP.

Details of the groundwater analytical data will be presented and discussed in the 2026 Semi-Annual report to be submitted to EGLE and Stakeholders in Third Quarter 2026 and will be made available on RACER Trust's Website.

Reports Submitted to EGLE Second Quarter 2026

- 2025 Biosparge Update Report submitted to EGLE on April 13, 2026
- First Quarter 2026 Progress Report submitted to EGLE on May 1, 2026
- 2025 Annual Groundwater Sampling Report submitted to EGLE on July 2, 2026
- 2025 Annual Exposure Barrier Inspection Report submitted to EGLE on June 16, 2026
- Reports can be viewed or downloaded from the RACER Website for the Lansing Property:
<https://www.racertrust.org/properties/lansing-plant-2-industrial-land>

Work in Progress and Near-Term Milestones Anticipated During the Third and Fourth Quarters of 2026



Activity	Schedule
Remediation of 1,4-Dioxane in the Weathered Bedrock	
Plants 2 and 3 Biosparge System Operation	Ongoing
Biosparge Temporary Shut Down Test Evaluation and Sampling for Transects A and G	Ongoing Quarterly Schedule – Third Quarter 2026 (Final Event)
Preparation and Submittal of Transects A and G Shutdown Testing Summary Report	Fourth Quarter 2026
Re-start Transects A and G	August 2026
Begin Implementation of Biosparge Transect F Shut Down	Upon EGLE approval
Routine Monitoring	
Submittal of Semi-Annual Monitoring Report	Third Quarter 2026
Semi-Annual Storm Sewer Sampling	Fourth Quarter 2026
2026 Annual Groundwater Monitoring Activities for the Site	Fourth Quarter 2026
Other Investigations, Sampling and Reporting	
2026 Annual Exposure Barrier Inspection	Third Quarter 2026

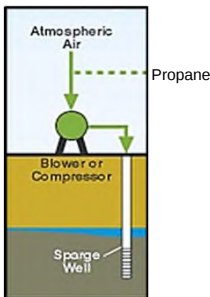
Appendix

BIOSPARGING TREATMENT OF 1,4-DIOXANE

Lansing Industrial Land, Lansing and Lansing Township, Michigan

WHAT IS BIOSPARGING?

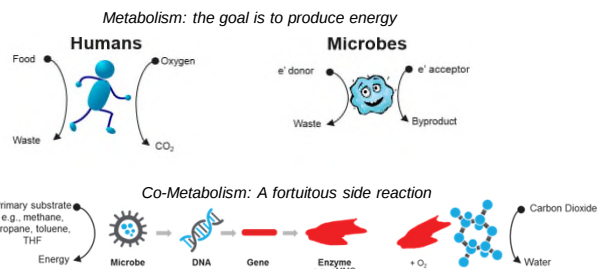
- Air and small amounts of propane are injected into the ground through wells
- Promotes biodegradation of chemicals in groundwater, much faster than it would occur naturally
- 1,4-dioxane is treated in the ground, so minimal waste is generated
- Nearby wells are sampled to make sure treatment is occurring



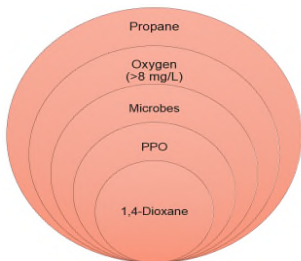
TREATMENT OBJECTIVES

- Reduce onsite concentrations of 1,4-dioxane in the top/weathered zone of the bedrock aquifer
- Prevent off-site migration of 1,4-dioxane

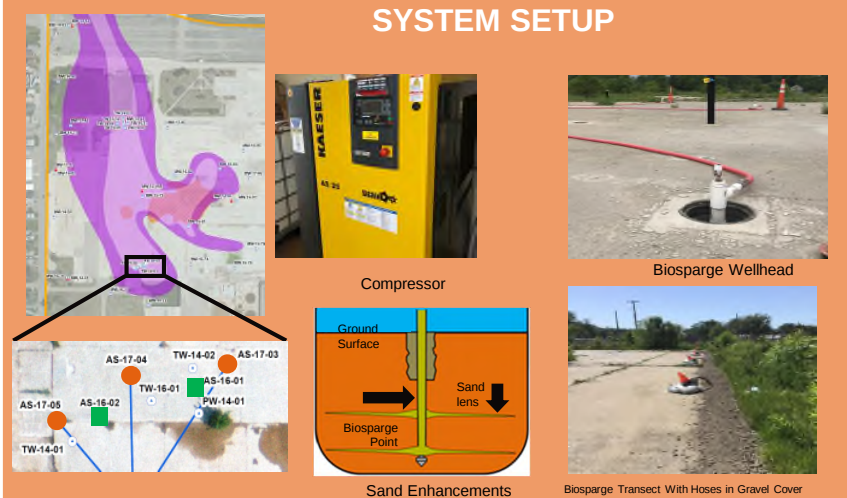
CO-METABOLIC BIODEGRADATION OF 1,4-DIOXANE:



Propane + Oxygen + Microbes = 1,4-Dioxane Treatment

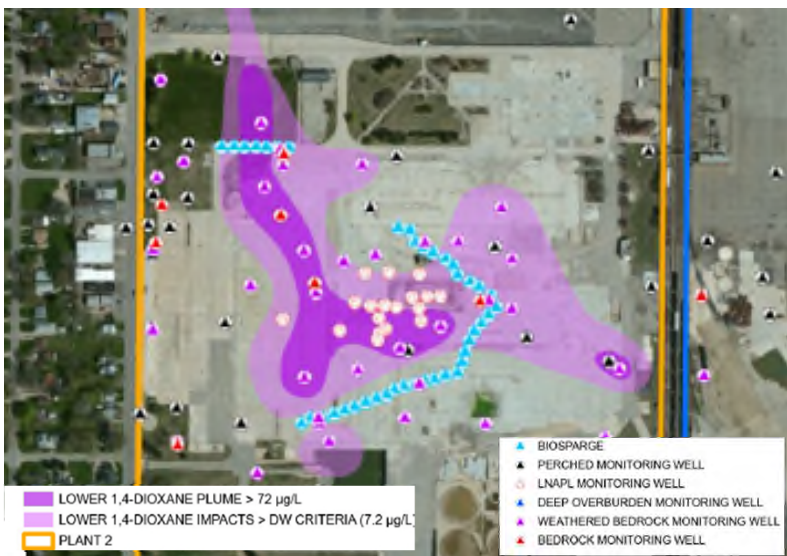


SYSTEM SETUP



- 2016 Pilot Test Biosparging Points
- 2018 Pre-Design Study Biosparging Points With Sand Enhancements
- Weathered Bedrock Monitoring Well

Plant 2 Biosparging Transect Layout



RACER Lansing Biosparging System

- Testing showed that biosparging is a low cost, effective, safe, and sustainable method for treating 1,4-dioxane at the Site and that the installation of sand enhancements improves treatment
- Biosparging system includes 5 treatment transects with 48 sparge wells across Plants 2 and 3
- Biosparging equipment buildings are located on Plant 2 and 3 with nearly 5 miles of hose to convey air/propane from the buildings to the injection wells
- Treated groundwater flows from northwest to southeast as it is cleaned by each treatment transect
- Network of monitoring wells is to track treatment progress
- After 4 to 5 years of operation, the biosparging system has reduced average 1,4-dioxane plume concentrations from a range of 160 - 485 µg/L down to a range of 20 - 50 µg/L and has met the treatment objectives



Plant 2 Biosparging Building, Propane Tank, Hoses, and Nutrient Injection Tanks