



Department of  
Environmental  
Conservation

# Brownfield Cleanup Program (BCP) and State Superfund Program (SSF) Process Overview

Division of Environmental Remediation

March 2021

# General Remedial Program Steps

## Remedial Investigation Work Plan

What will be done to get a clear picture of the site?

- SSF:** DEC or other responsible party assembles a detailed plan to fully investigate the site. **Fact Sheets issued to announce the work plan and the start of the investigation field work.**
- BCP:** Applicant assembles the work plan. DEC and DOH review and comment. Approval after comments are addressed. **There is a 30 day public comment period for the RIWP. Fact sheet issued to announce review is in progress.**

## General Remedial Program Steps

### Remedial Investigation Report (RIR)

Here is what we learned about the site.

**SSF and BCP:** This report summarizes the results of the remedial investigation. **A Fact Sheet is issued announcing that the report is available.**

# General Remedial Program Steps

## Decision Documents

How are we going to clean this up?

**SSF:** DEC develops a Proposed Remedial Action Plan (PRAP). **There is a 30 day public comment period and a public meeting for the PRAP.** Comments received for the PRAP are considered in development of a Record of Decision (ROD) which outlines the cleanup process.

**BCP:** Applicant analyzes several cleanup methods and chooses one. DEC and DOH review the analysis and a Decision Document is developed outlining the accepted choice. **A Fact Sheet is issued announcing the proposed decision and there is a 45 day public comment period prior to finalizing the Decision Document.**

# General Remedial Program Steps

## Completion

**SSF and BCP:** A Final Engineering Report (FER) detailing the work completed is reviewed by DEC and DOH. After approval of the FER a Certificate of Completion (COC) is issued for BCP sites and some SSF sites. **Fact Sheet are issued to announce the availability of the FER and the issuance of the COC.**

# General Remedial Program Steps

## Site Management

**SSF and BCP:** Removal of all contamination is not always possible. A Site Management Plan (SMP) is put in place for any site that does not reach unrestricted clean-up levels. The SMP details what controls must be put in place and maintained to manage remaining contamination.

Periodic Review Reports (PRRs) are reviewed by DEC on a set schedule to ensure controls remain in place and functional.

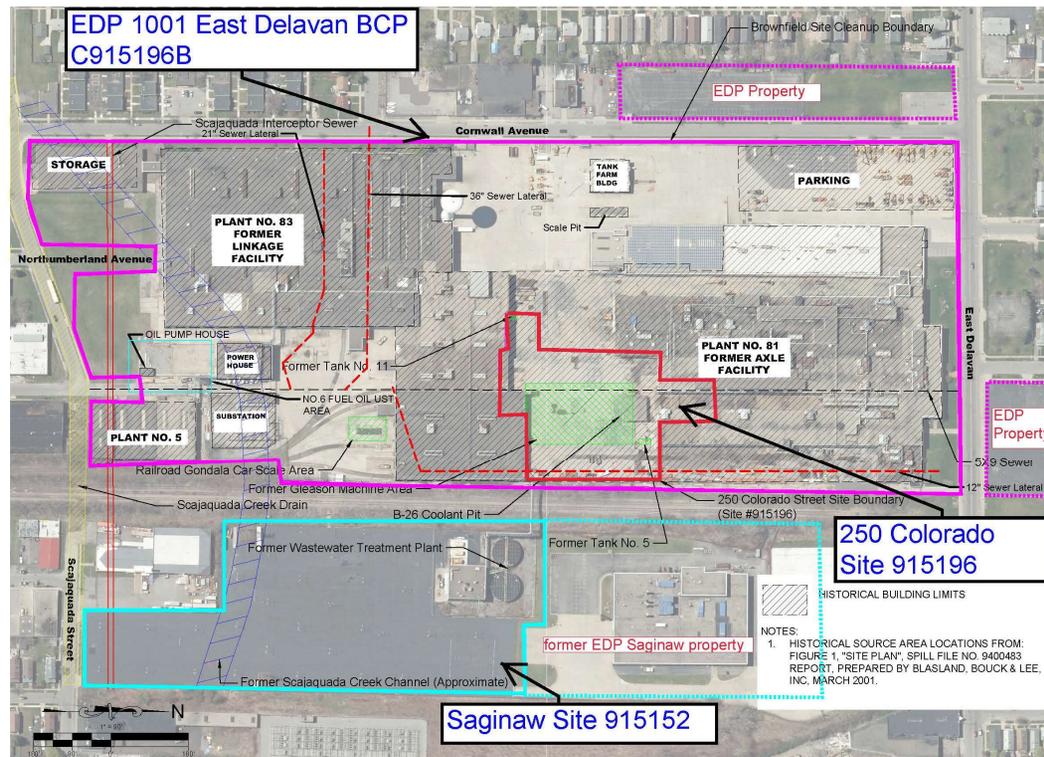
## Where to Find Information

- Search for sites and access site documents using **DECinfo Locator**
- Go to [www.dec.ny.gov](http://www.dec.ny.gov) and click on the link under Popular Topics
- Fact sheets, work plans, reports and more are available for viewing
- Information about many other DEC programs is also available

## 1001 East Delavan Property SSF and BCP Site Background Information

- 1001 East Delavan St. BCP site and 250 Colorado St. SSF site are portions of the former General Motors/American Axle Plant.
- GM began manufacturing automotive parts and assemblies in the 1920s. The plant buildings expanded in size and number over the decades. Plant complex occupied 52 acres.
- The former plant also includes the Saginaw site previously remediated under an Order with GM. Remediation completed in 2001. Currently in site management by EDP.
- GM sold the plant to American Axle in 1994; American Axle shut down operations and sold the plant to East Delavan Properties (EDP) in 2008. GM maintained environmental liabilities.
- GM implements an interim remedial measure to collect oil at the B-26 pit in 1991. Treatment system upgraded in 2006. EDP upgraded the system in 2011. System maintained by EDP and overhauled in 2018.
- GM entered an order to investigate and remediate the 2.65 acre 250 Colorado St. Site in 2005. The B-26 pit is located on the 250 Colorado St. Site.
- GM declares bankruptcy in 2011. Post bankruptcy GM is absolved of environmental liabilities.
- EDP enters agreement with DEC in 2018 and DEC assumes remediation of 250 Colorado St. Site.
- EDP enters the BCP for 1001 East Delavan in 2018 (32.88 acres).

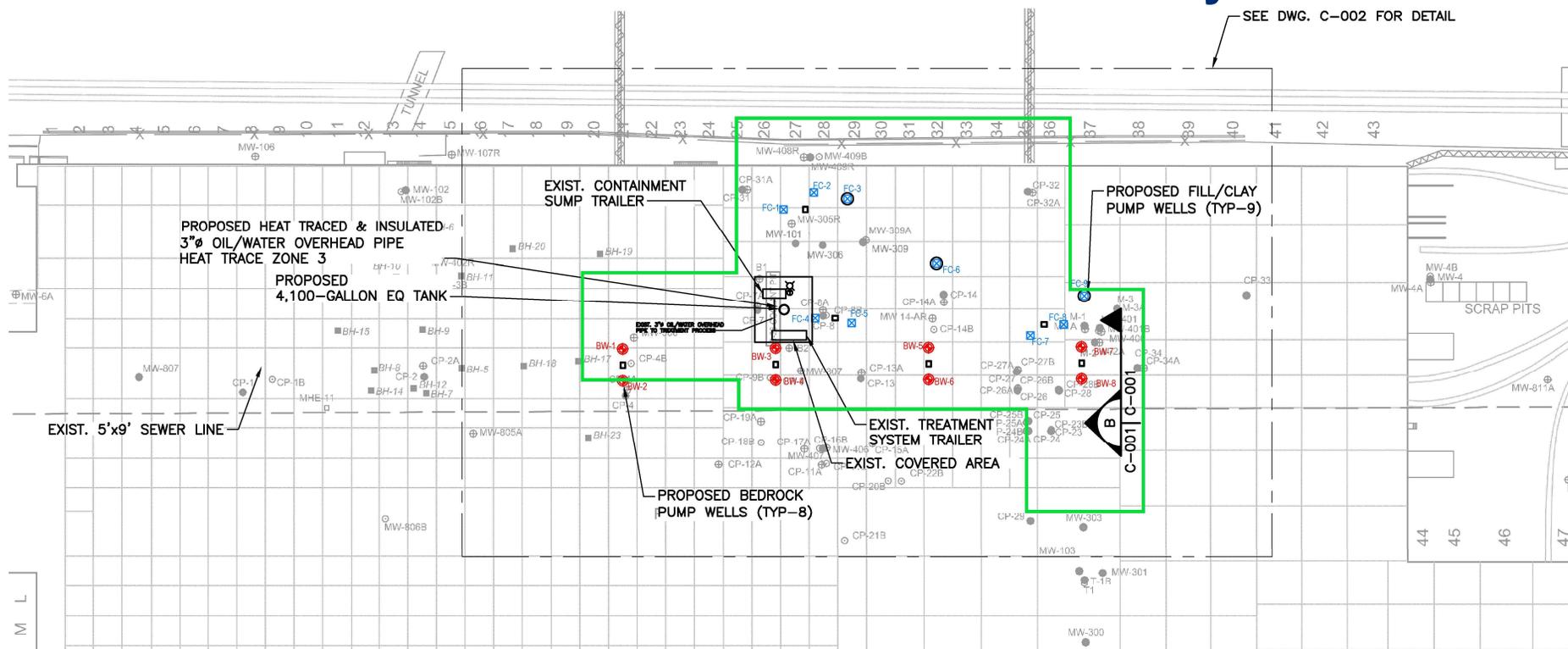
# Former GM/American Axle Plant Site Remediation Areas



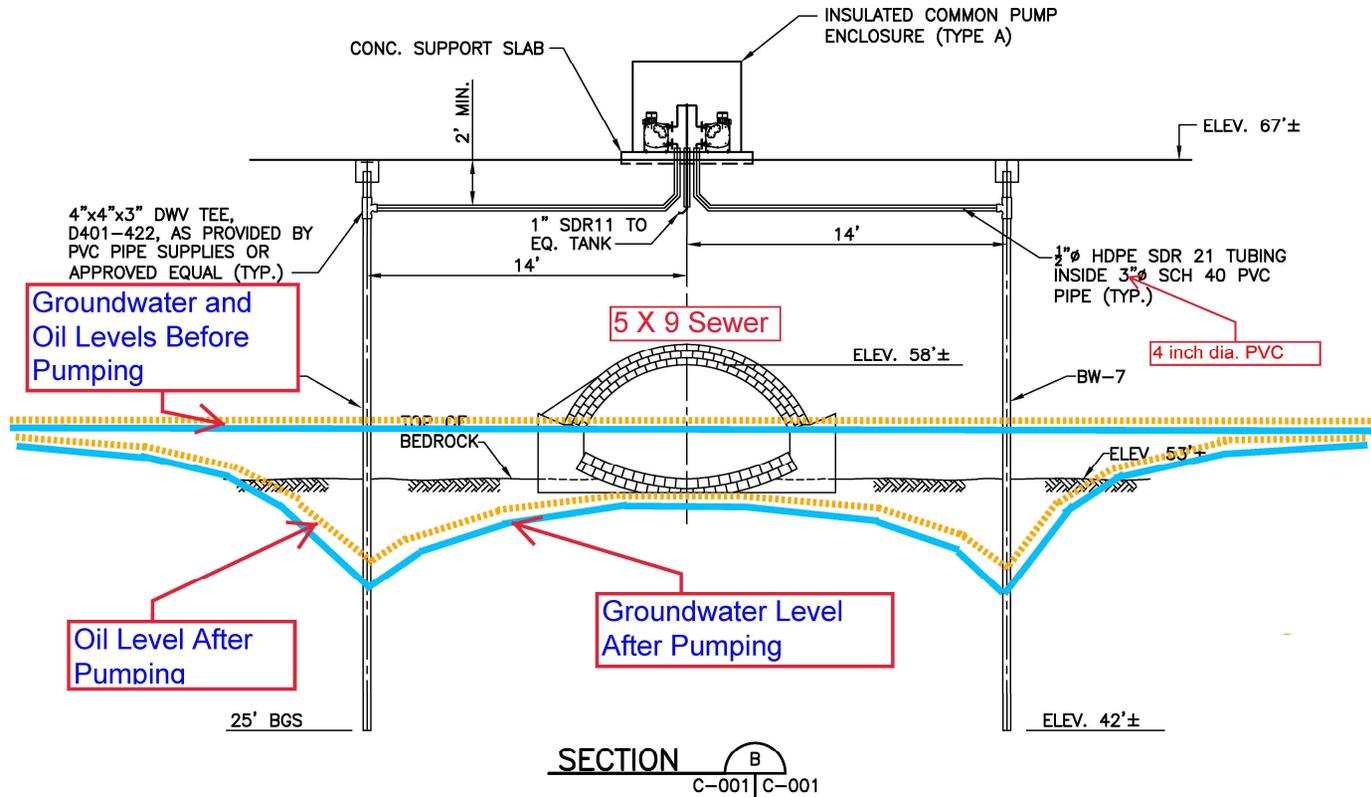
## Recent 250 Colorado St. Site Remediation Measures

- DEC entered an Agreement with EDP in 2018 to assume site remediation
- DEC implements an evaluation of groundwater conditions and containment design.
- A groundwater containment and oil recovery design was constructed starting late 2018 and completed spring 2019.
- The groundwater system consists of 2 pump extraction systems;
  - ✓ shallow soil system to collect pools of oil in the former Gleason Machine Area, 9 individual wells
  - ✓ bedrock system to draw groundwater and oil away from the “5x9” sewer, 4 well pairs on each side of the sewer to enhance drawdown below the sewer pipe.
- Extracted groundwater/oil is treated by B-26 pit treatment system owned by EDP. Treated water is discharged to the sewer under an industrial discharge permit by BSA. Collected oil is containerized for proper off-site treatment/disposal.
- To date: 1.1M gallons of water treated through the system, 175 gallons of oil collected.
- DEC to evaluate long-term remedial measures at the 250 Colorado St. Site

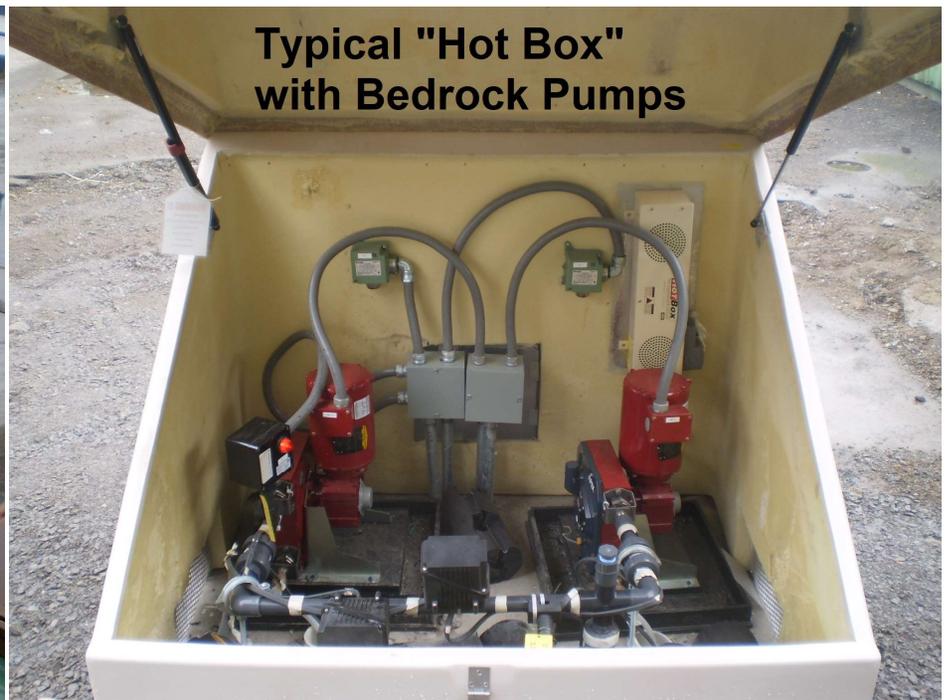
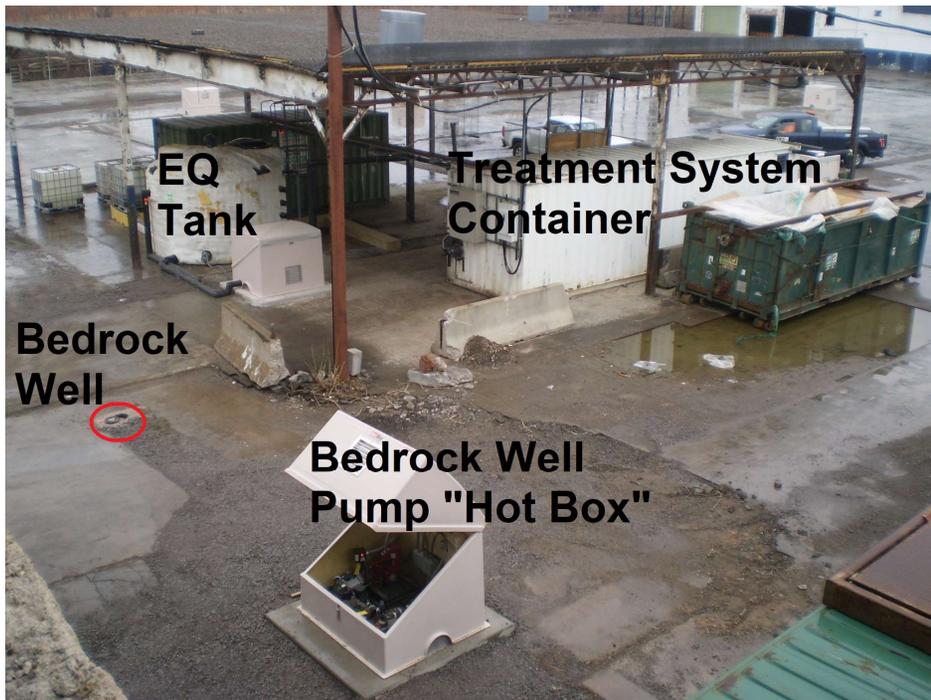
# 250 Colorado St. Site Groundwater Extraction System Wells



## 250 Colorado St. Oil Control Near Sewer



## 250 Colorado St. Site Extraction System Photos



## 250 Colorado St. Site Extraction System Photos



## Preliminary Groundwater Assessment for Design

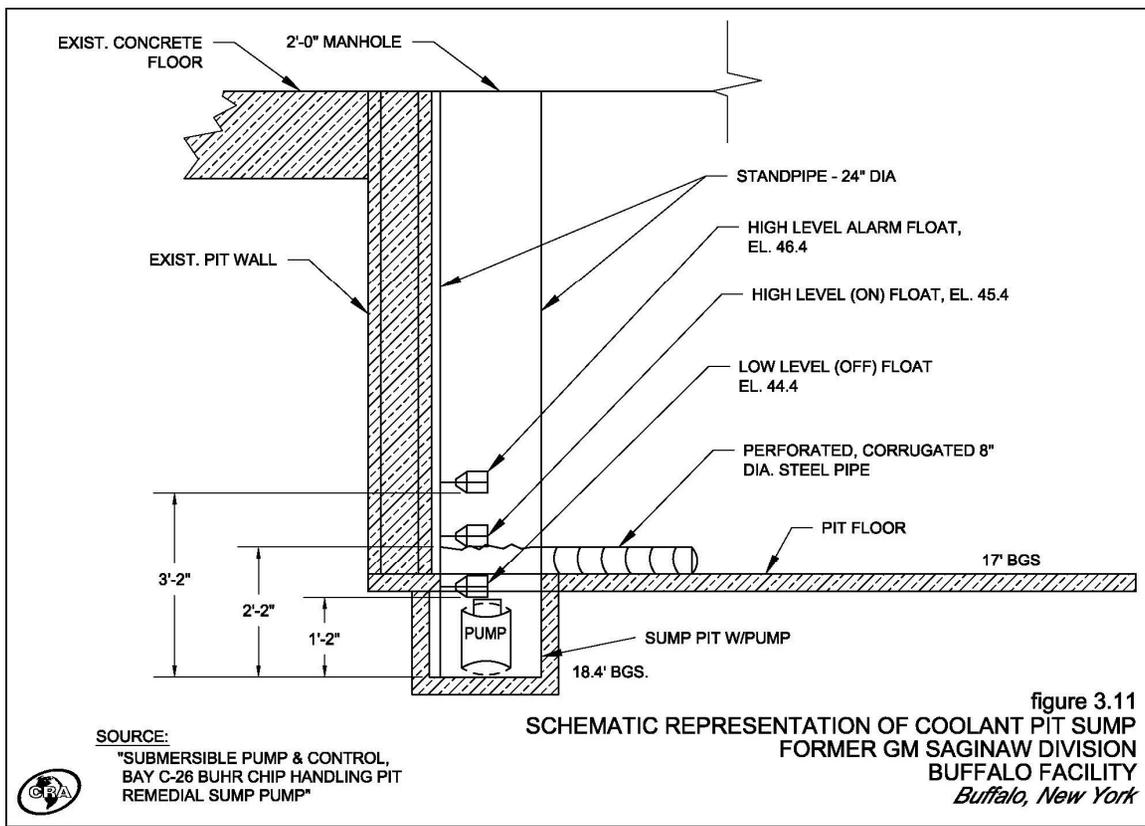
Well bailing to assess locations where oil has accumulated in wells; note oil in bailer



Collected oil and water is poured into buckets prior to containerizing



# B-26 Pit Collection System



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Department of Environmental Conservation

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