



**Department of
Environmental
Conservation**

Tonawanda Community Working Group

Superfund and Brownfield Progress Update

May 24, 2023

Brownfield Site

**Riverview Innovation &
Technology Campus,
#C915353**



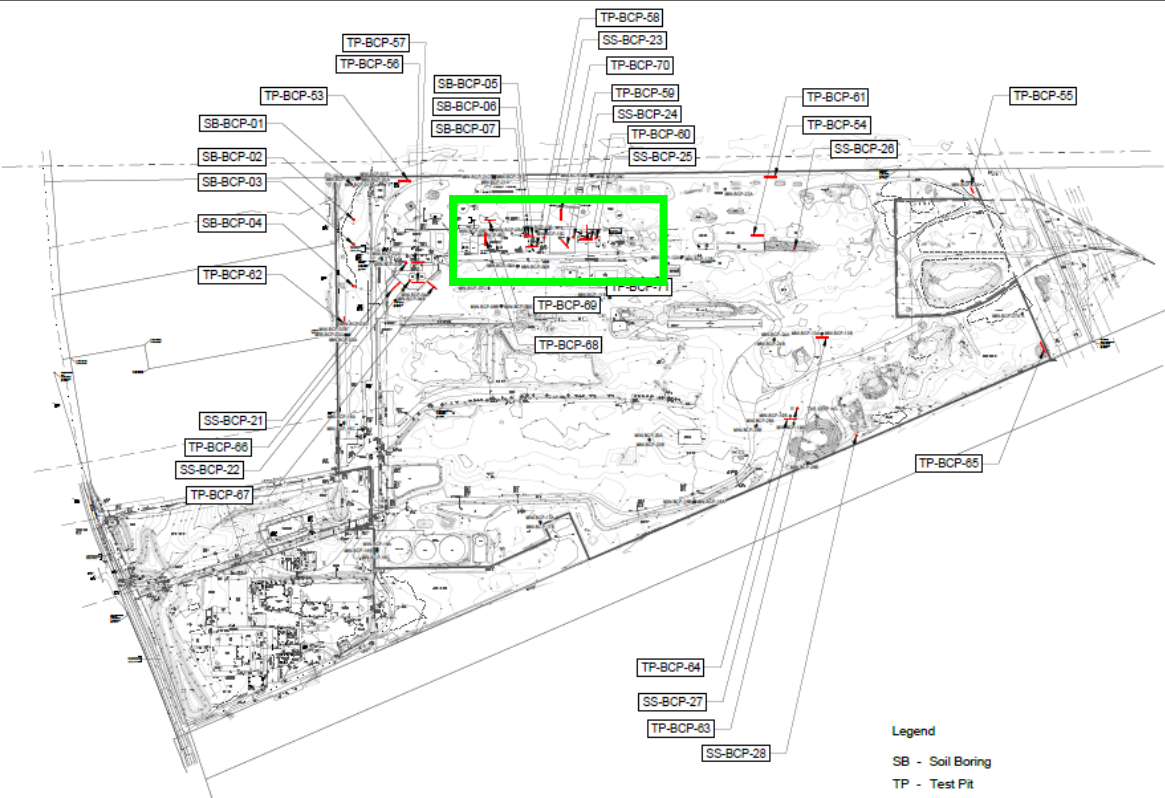
Department of
Environmental
Conservation

Work Plan/Report	Submitted	Status	Progress
Interim Site Management Plan (ISMP)	3/6/2020	DEC Approved	Continuous
Light Oil Area Secondary Containment Investigation Work Plan	3/6/2020	DEC Approved	Complete
Remedial Investigation Work Plan	3/12/2020	DEC Approved	Field Work Complete
Stormwater Pollution Prevention Plan	3/12/2020	DEC Approved	Continuous
Storm Sewer IRM Work Plan	4/12/2020	DEC Approved	Complete
Mixing Pad IRM Work Plan	5/5/2020	DEC Approved	Complete
PCC Excavation Work Plan	5/11/2020	DEC Approved	Complete
ISMP - Work Scope 2	5/11/2020	DEC Approved	Complete
Container Management IRM Work Plan	6/17/2020	DEC Approved	Complete
ISMP - Work Scope 3	7/6/2020	DEC Approved	Complete
Storm Sewer IRM Phase 1 Report	8/5/2020	DEC Approved	Complete
Abandoned Pipeline IRM Work Plan	8/19/2020	DEC Approved	Complete
PCC Grading Concept Plan	9/10/2020	DEC Approved	Complete
South Road Reconstruction Plan	11/17/2020	DEC Approved	Complete
Surface Water Phase 3 Work Plan	12/22/2020	DEC Approved	Complete

Work Plan/Report	Submitted	Status	Progress
AST Management Work Plan	12/23/2020	DEC Approved	Ongoing
Abandoned Pipeline IRM Report	1/20/2021	DEC Approved	Complete
Building Demolition Work Plan	1/26/2021	DEC Approved	Field Work Complete
PBS/CBS Tank Work Plan	2/15/2021	DEC Approved	Field Work Complete
Access to Coal Breaker Building	2/15/2021	DEC Approved	Complete
Secondary Containment Investigation Work Plan	3/10/2021	DEC Approved	Ongoing
Box Culvert Lining Work Plan	4/2/2021	DEC Approved	Complete
Supplemental Remedial Investigation	5/28/2021	DEC Approved	Field Work Complete
Mixing Pad Cleaning Completion Report	6/21/2021	DEC Approved	Complete
Byproducts Pipe Sealing Work Plan	6/30/2021	DEC Approved	Complete
Concrete Settling Pond Cleaning	6/30/2021	DEC Approved	Complete
Lime Still IRM Work Plan	7/14/2021	DEC Approved	Field Work Complete
Coke Oven Gas Bench Scale Testing	8/13/2021	DEC Approved	Complete
PFAS Sampling Work Plan	8/19/2021	DEC Approved	Complete
COG Pipe and Residual IRM Work Plan	8/25/2021	DEC Approved	Field Work Complete
Groundwater Treatment Plant IRM	10/5/2021	DEC Approved	Ongoing

Work Plan/Report	Submitted	Status	Progress
Groundwater Treatment Plant IRM – Addendum	2/15/2022	DEC Approved	Ongoing
Remedial Investigation Report (RIR)	3/11/2022	DEC Review	Resubmitted 4/27/23
Process Equipment Removal IRM WP	4/14/2022	DEC Approved	Field Work Complete
ST24 Secondary Containment WP	5/31/2022	DEC Approved	Completed
Alternatives Analysis Report	6/30/2022	RITC Revise	Resubmitted 5/11/23
ST24 Bioremediation IRM Work Plan	9/23/2022	DEC Review	Approved 4/3/23
Pre-Design Investigation Work Plan	11/10/22	DEC Approved	Ongoing
Pump House Sampling Work Plan	12/1/22	RITC Revise	Resubmitted 4/7/23
Junction Building NAPL Removal	1/11/23	DEC Approved	Field Work Complete

PDI Test Pits



Legend

- SB - Soil Boring
- TP - Test Pit
- SS - Surface Sample/Grab Sample

MW-BCP-13 and MW-BCP-19 Pre-Design Investigations

Borrow Area Pre-Design Investigations

Production Area Pre-Design Investigations

Bedminster Basin Garden Pre-Design Investigations

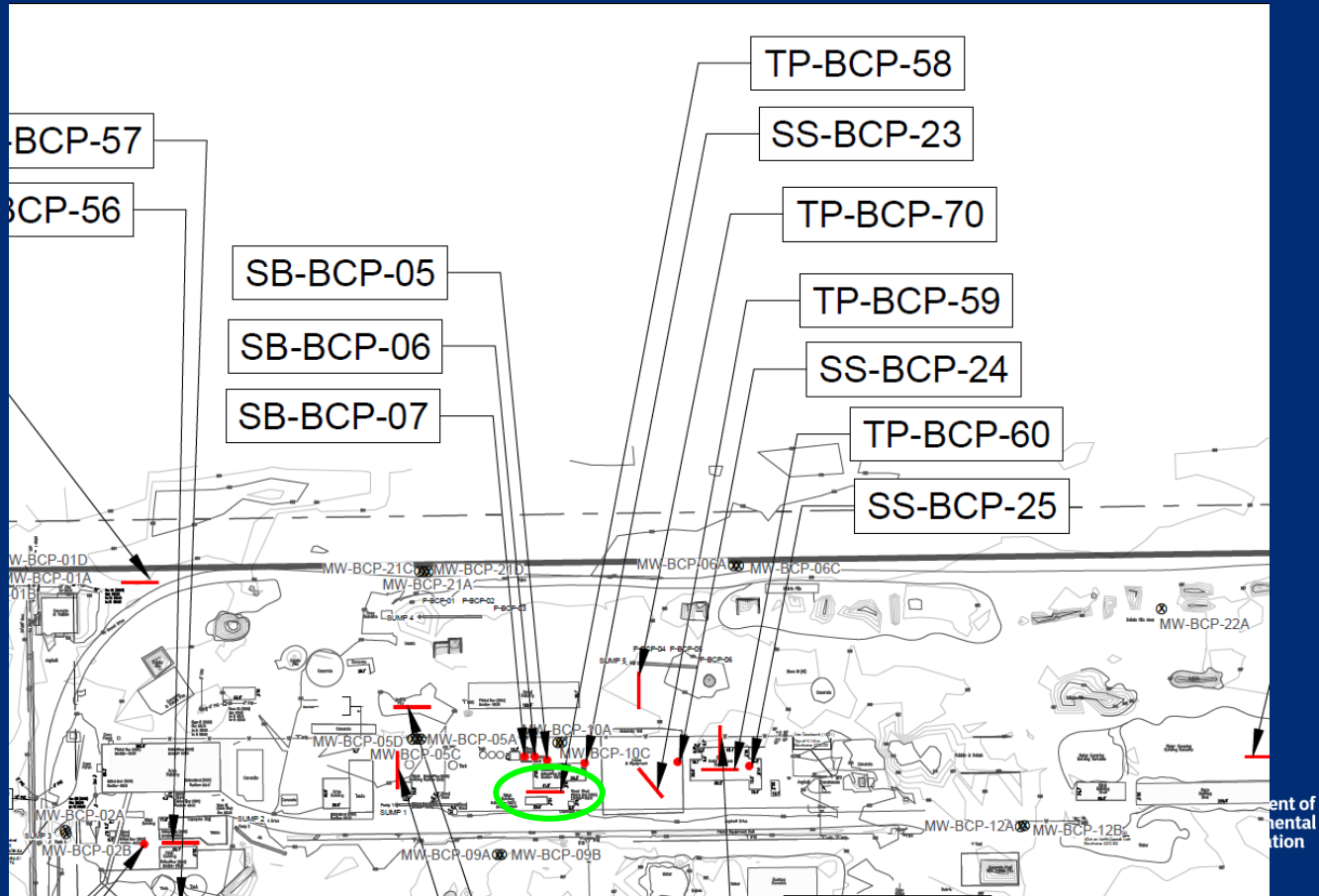
DATE	BY	REVISION
10/1/10	JLH	1.0
10/1/10	JLH	1.1
10/1/10	JLH	1.2
10/1/10	JLH	1.3
10/1/10	JLH	1.4
10/1/10	JLH	1.5
10/1/10	JLH	1.6
10/1/10	JLH	1.7
10/1/10	JLH	1.8
10/1/10	JLH	1.9
10/1/10	JLH	2.0

PRE-DESIGN INVESTIGATION LOCATIONS
3075 LEFF ROAD
TONAWANDA, NY 14150

INVENTUM ENGINEERING
441 CARLISLE DRIVE
SUITE C
HERNDON, VIRGINIA 20170
(703) 722-6049
www.inventumEng.com



FIGURE 2 - 1



PDI Test Pits



PDI Test Pits



RI/AAR

- Remedial Investigation Report (RIR) resubmitted on April 27, 2023
- Revised AAR resubmitted on April 11, 2023.

Superfund Site

Tonawanda Coke, #915055



Investigation Status

Site 108:

- Supplemental Investigation Report should be submitted to DEC in June 2023.
- RITC completed removal of tar containing pipes from pipe rack along the former conveyor system.

Site 109:

- Focused Feasibility Study submitted March 29, 2023. Comments sent May 15, 2023.
- Revised Remedial Investigation Report submitted April 11, 2023. Comments sent May 15, 2023.

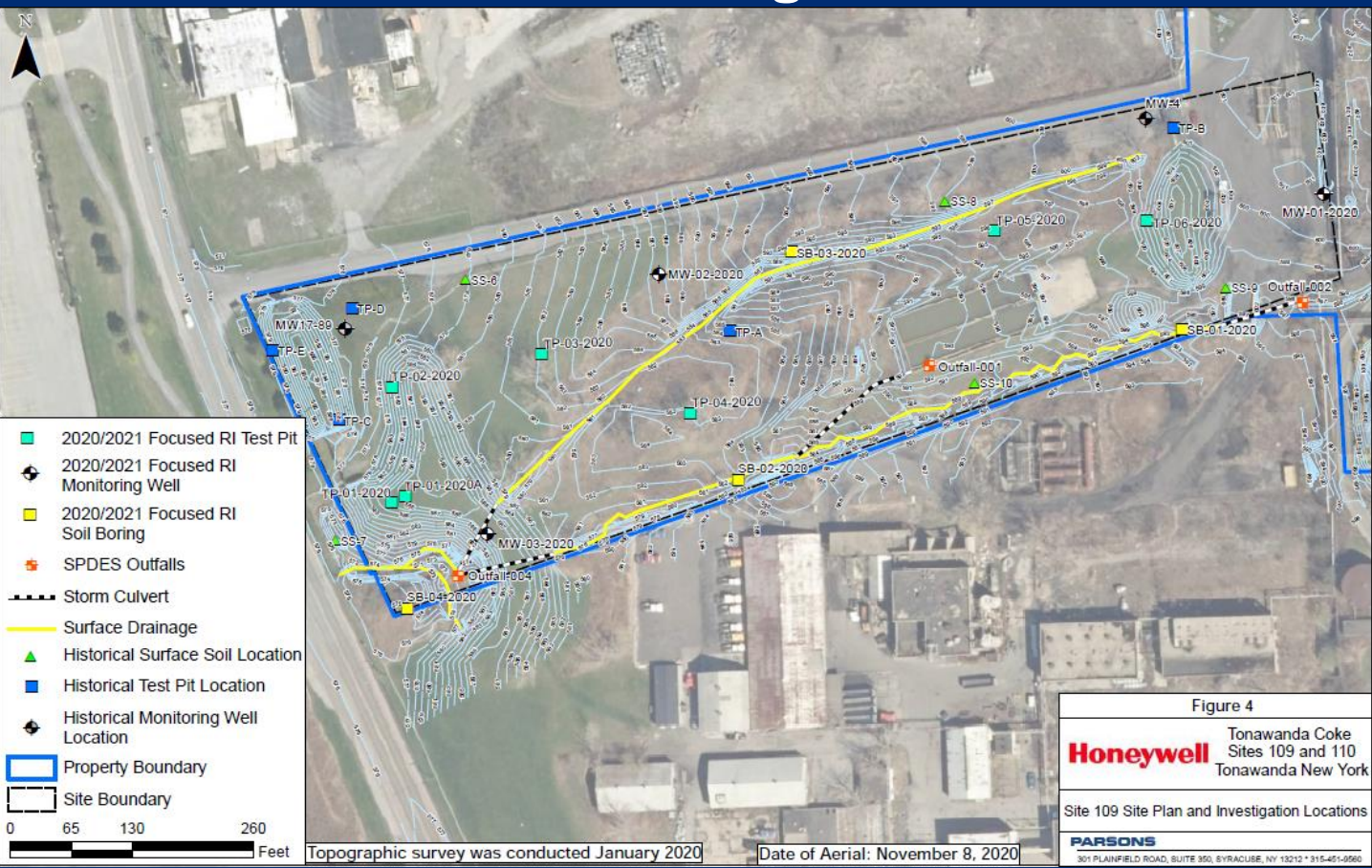
Site 110:

- Revised Remedial Investigation Report submitted April 11, 2023. Comments sent May 15, 2023.

Site 109 Remedial Investigation

- Objective was to fill in previous data gaps and assess current conditions:
 - Six test pit clusters;
 - Three shallow soil borings near on-site ditches;
 - Installation of three monitoring wells, sampling of four monitoring wells.

Site 109 Remedial Investigation



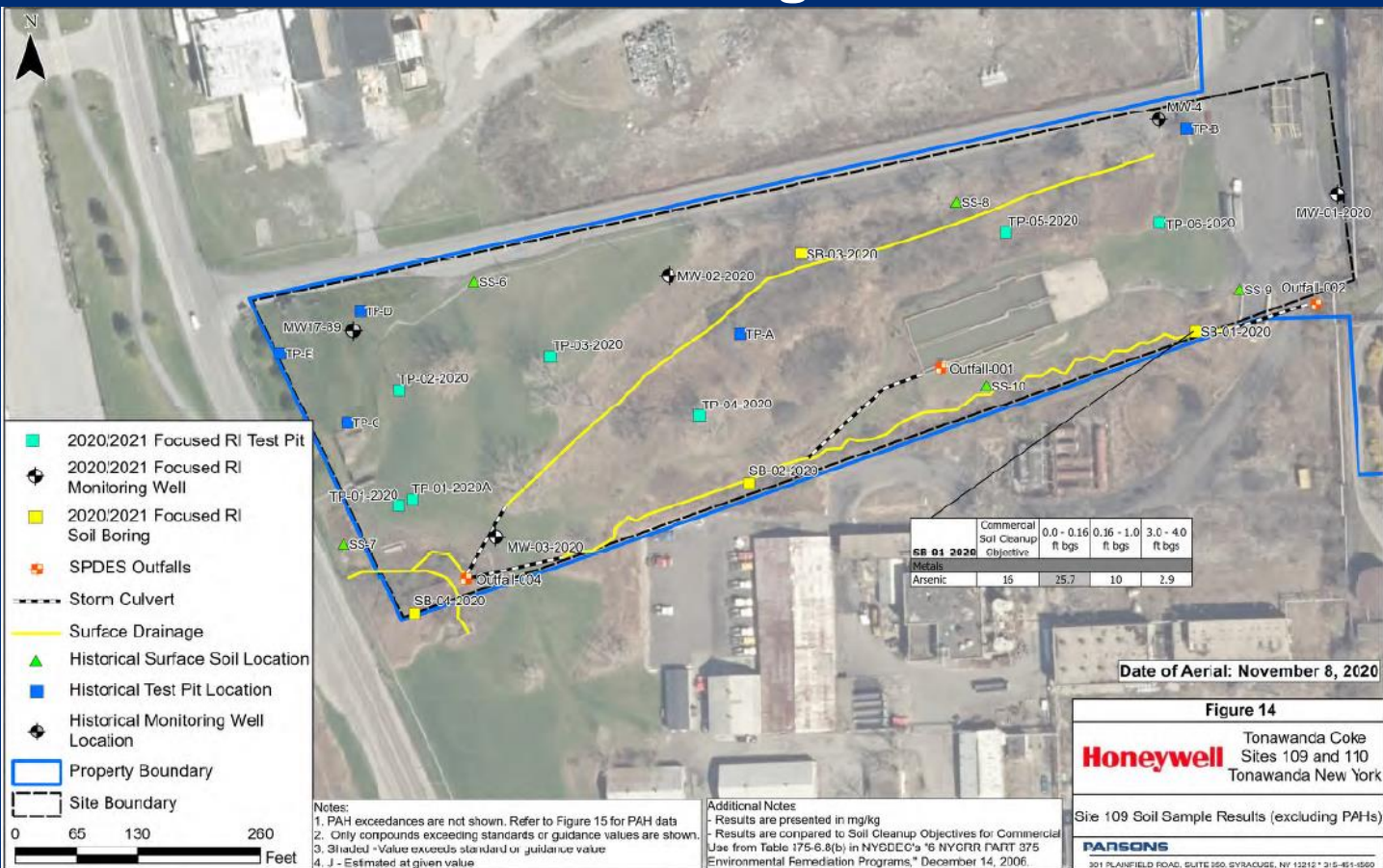
Site 109 Remedial Investigation Results

- Soil: polycyclic aromatic hydrocarbons (PAHs) present across site. One location exceeds commercial SCO for arsenic.
- Groundwater: sporadic detections of thallium and antimony. All 2020 monitoring wells were installed dry, all wells are frequently purged dry during sampling.

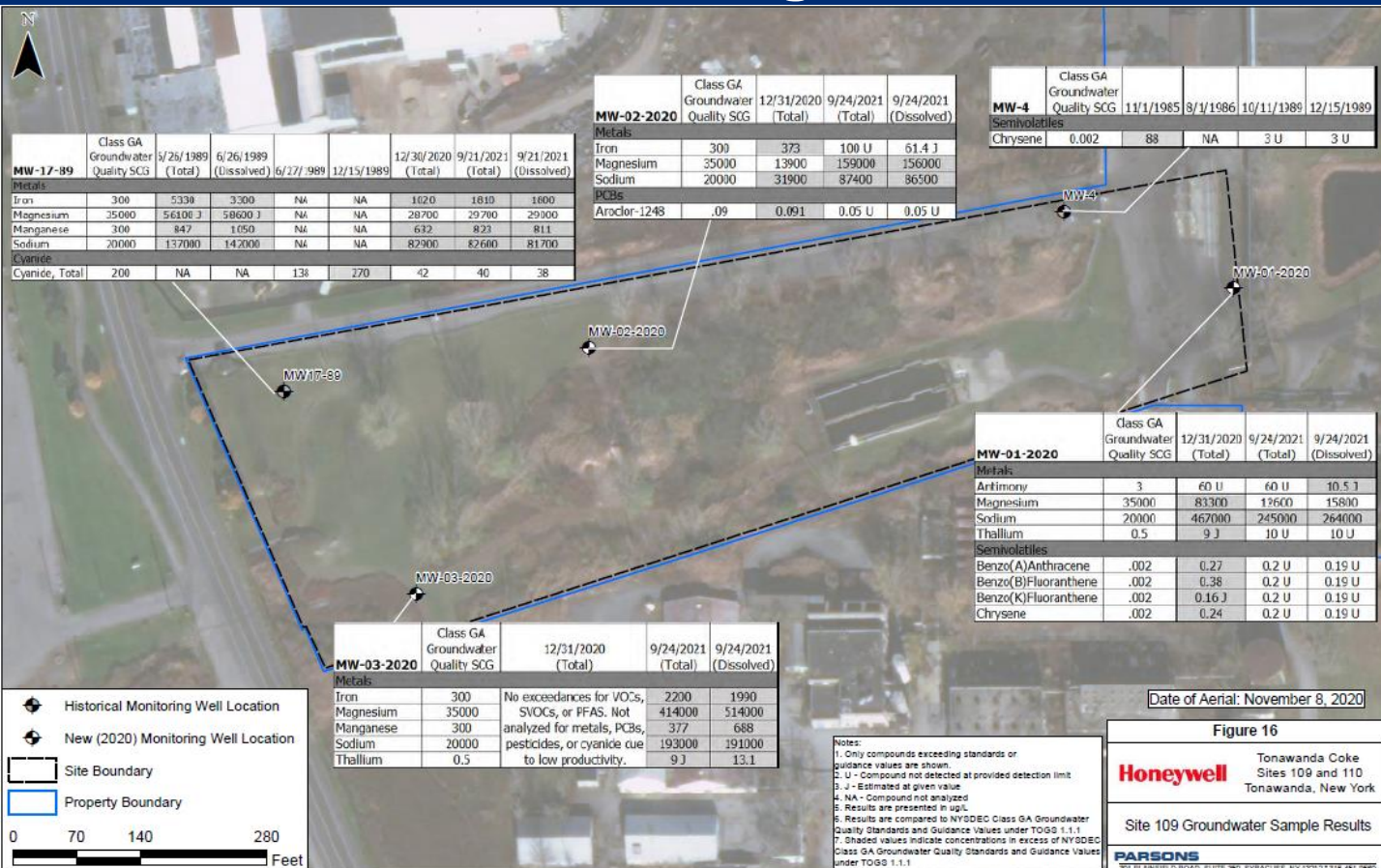
Site 109 Remedial Investigation Results



Site 109 Remedial Investigation Results



Site 109 Remedial Investigation Results



Feasibility Study – Selection Criteria

- 1) Overall protectiveness of the public health and the environment.
- 2) **Standards, criteria and guidance.**
 - 3) Long-term effectiveness and permanence.
 - 4) Reduction in toxicity, mobility, or volume of contamination.
 - 5) Short-term impacts and effectiveness.
 - 6) Implementability.
 - 7) Cost-effectiveness.
 - 8) Land use.
 - 9) Community acceptance.

The **bold** criteria must be satisfied for an alternative to be considered. The remaining are termed 'balancing criteria'.



Feasibility Study – Process Overview

- DEC has provided comments on the Draft Focused Feasibility Study on May 15, 2023.
- If all comments are addressed in revised report, DEC will propose a remedy based on the Remedial Investigation Report and Focused Feasibility Study. This remedy will be detailed in a Record of Decision (ROD) Amendment.
- The draft ROD Amendment and Focused Feasibility Study will be subject to a 30-day public comment period. A public meeting will be held during this comment period.

Site 109 Focused Feasibility Study

- Alternative 1: No Action
- Alternative 2: Soil Cover/Redevelopment
- Alternative 3: Soil Cover/Redevelopment with Excavation of Ditch Soils
 - 3A: On-Site Management of Ditch Soils
 - 3B: Off-site Disposal of Ditch Soils

these may change based on DEC's comments

Site 109 – Next Steps

- After the public comment period, DEC assesses the comments received, and if significant, may modify the proposed remedy.
- The public comments are compiled in a responsiveness summary which is attached to the ROD Amendment.
- ROD Amendment is issued by DEC. Honeywell begins the Remedial Design process to implement the selected remedy.

Thank You

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