



Department of
Environmental
Conservation

Tonawanda Community Working Group

Superfund and Brownfield Progress Update

January 24, 2024

DEC Info Locator Update

- A software issue have come up where files greater than 250 MB can no longer be uploaded to DEC Info Locator.
- This affects Appendix J (lab reports) and K (data usability summary reports) of the BCP Remedial Investigation Report.
- These files will be removed from DEC Info Locator, if you want to access them contact Ben.

Brownfield Site

Riverview Innovation &
Technology Campus,
#C915353



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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	Field Work Complete
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 8/18/23
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	DEC Review	Resubmitted 9/8/23
ST24 Bioremediation IRM Work Plan	9/23/2022	DEC Approved	Approved 4/3/23
Pre-Design Investigation Work Plan	11/10/22	DEC Approved	Ongoing
Pump House Sampling Work Plan	12/1/22	Rescinded	Rescinded
Junction Building NAPL Removal	1/11/23	DEC Approved	Field Work Complete
Solidification IRM WP	8/16/23	DEC Approved	Ongoing
Breeze Adsorption Testing Work Plan	8/30/23	DEC Approved	Completed
Breeze Adsorption Testing Report	10/5/2023	DEC Approved	Completed

Work Plan/Report	Submitted	Status	Progress
Radiological Work Plan	12/4/23	In review	RITC to Revise

Radiological Work Plan

- The work plan proposes to perform a surficial radiological survey of the site, (a “walkover”).
- Why?
 - This survey is being performed out of an abundance of caution and for completeness, due to the presence of “slag” material, of various types, at the site.
 - Slag is a very common byproduct of various metallurgical and chemical processes and is often found in Western New York.

Slag

- On occasion, slag has been determined to have an elevated level of radioactivity, due to a concentration of naturally occurring radioactive material within the original ore.
- Slags identified as having an elevated radiological signature may be considered Technically Enhanced Naturally Occurring Radioactive Materials (TENORM).

Slag (cont.)

- The NYS Department of Health has determined that sites with confirmed TENORM do not pose significant public health or environmental concerns if the TENORM slag is left in place.
- However, if confirmed TENORM is disturbed it must be appropriately handled.

Slag (cont.)

- Examples of slag:



TENORM Requirements

- Confirmed TENORM is prohibited from disposal in New York State landfills.
- If a slag that is determined to be TENORM and is excavated or removed from its current location it becomes a regulated waste.
- The “walkover” will help delineate the extent of potential TENORM and guide sampling efforts. This will determine any future waste handling requirements.

TENORM Requirements (cont.)

- NOTE: Not All Slag is TENORM. Only if a slag is determined to be TENORM do special handling conditions apply.
- DEC has developed guidance for handling of TENORM, DMM-5 (<https://dec.ny.gov/environmental-protection/radiation>).
- General questions regarding DEC's radiation programs can be directed to:
 - Mr. Thomas Papura – Chief, Radioactive Materials Management Section
 - Mr. Patrick Concannon – Region 9



Alternatives Analysis Report

- Revised Alternatives Analysis Report (AAR) was submitted on September 8, 2023.
- A draft of DEC's Decision Document has begun the internal review process.
- DEC will begin the public comment period after initial internal review process is completed.
- DEC will be offering a public meeting to discuss RI and proposed remedy during comment period.

Superfund Site

Tonawanda Coke, #915055



Investigation Status

Site 108:

- Revised Remedial Investigation Report was submitted to DEC on October 3, 2023.

Site 109:

- Revised Focused Feasibility Study submitted to DEC on November 3, 2023.
- Revised Remedial Investigation Report submitted to DEC on October 26, 2023. Made publicly available November 1, 2023.

Investigation Status

Site 110:

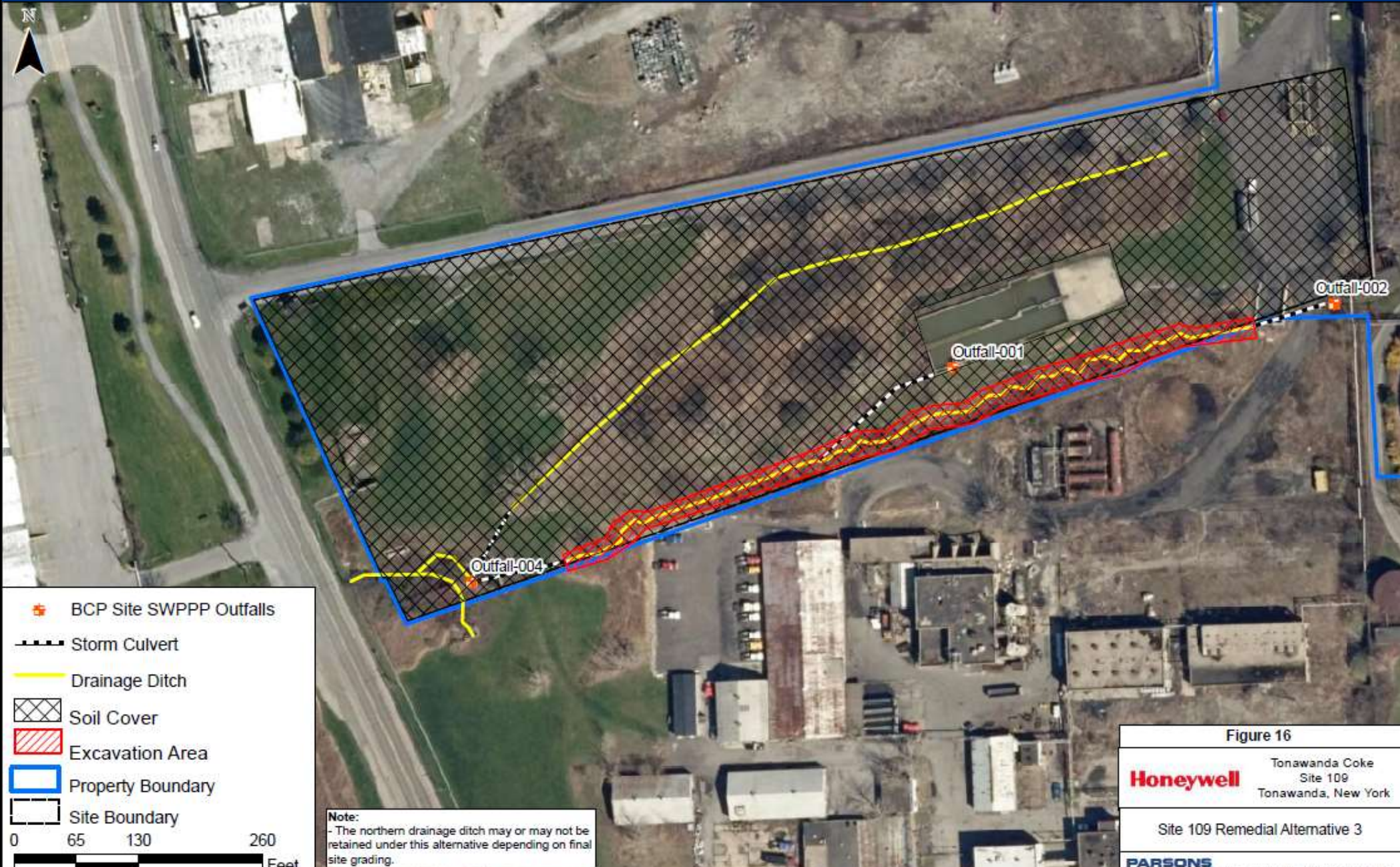
- Revised Remedial Investigation Report submitted to DEC on October 26, 2023. Made publicly available November 1, 2023.
- Focused Feasibility Study submitted June 30, 2023. Remedy evaluation was not complete as the National Grid portion of OU is not part of study.

Site 109 Remedy Highlights

- Excavation of soil exceeding protection of ecological resources soil cleanup objectives (SCOs) in the drainage ditch corridor;
 - Excavated soil will either be managed on-site or disposed/managed off-site depending on contamination levels.
- Construction of a cover system across the entire site.
- Filing an environmental easement.
 - Will restrict use of site to commercial or industrial;
 - Prohibit the use of groundwater;
 - Require compliance with a Site Management Plan.



Site 109 Remedy Highlights



Thank You

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