

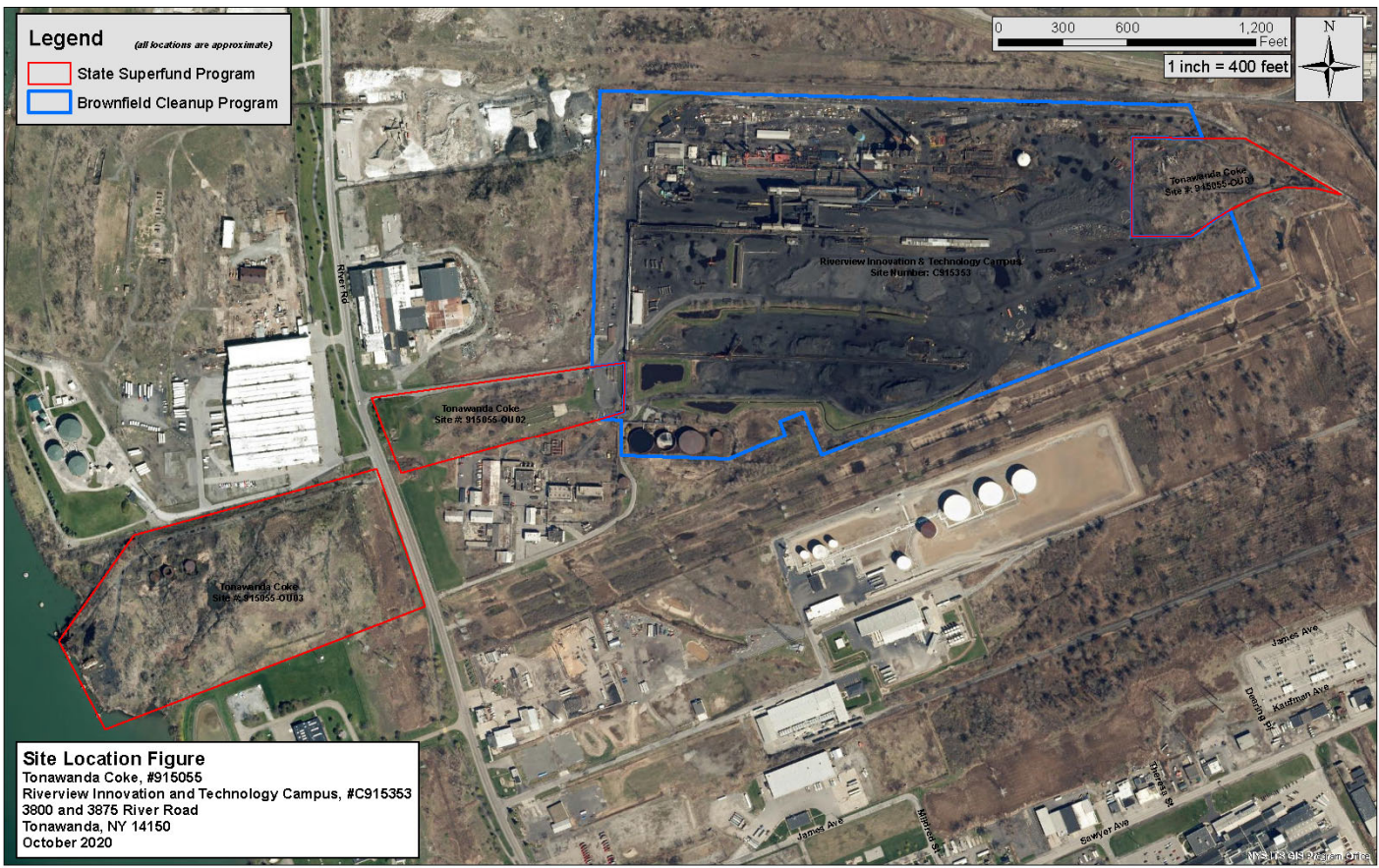


Department of
Environmental
Conservation

Tonawanda Community Working Group

Superfund and Brownfield Progress Update

August 25, 2021



Brownfield Site

Riverview Innovation &
Technology Campus,
#C915353

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	Complete (field)
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	Pending Final Disposal
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	Ongoing
PBS/CBS Tank Work Plan	2/15/2021	DEC Approved	Ongoing
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	Ongoing
Mixing Pad Cleaning Completion Report	6/21/2021	DEC Approved	Complete
Byproducts Pipe Sealing Work Plan	6/30/2021	Under Review	N/A
Concrete Settling Pond Cleaning	6/30/2021	DEC Approved	Ongoing
Lime Still IRM Work Plan	7/14/2021	Under Review	N/A
Coke Oven Gas Bench Scale Testing	8/13/2021	DEC Approved	Ongoing
PFAS Sampling Work Plan	8/19/2021	DEC Approved	Ongoing

August 10, 2021 Fire Incident

- Fire was ignited by iron sulfide residuals from inside coke oven gas lines.
- Exact chemical contents of pipe are not known, likely that various volatile and semi-volatile organic compounds acted as fuel.
- Fire fighting actions were initiated when smoke was identified by site personnel.



Photo: Jackie James CSCR [August 2021]



August 10, 2021 Fire Incident

- Smoke reported at 3:35 PM.
- Fire department called at 3:45 PM, were on-site by 4:10 PM.
- DEC was notified at 4:14 PM.
- DEC Spill Responder and Environmental Conservation Officer were dispatched to the site to document the response.
- Fire was reported extinguished at 4:21 PM.



Photo: DEC staff [August 2021]



August 10, 2021 Fire Incident

- Follow up Actions:
 - Monitor the fire materials, prepare for disposal.
 - Suspension of any coke oven gas pipe removal across entire facility.
 - Bench scale test of coke oven gas residual treatment reagents.
 - Soil and water sampling for per- and polyfluorinated substances.

August 10, 2021 Fire Incident



Photo: DEC staff [August 2021]

August 10, 2021 Fire Incident



Photo: DEC staff [August 2021]

Superfund Site

Tonawanda Coke, #915055

Investigation Status

Site 108:

- Access agreement is in place for remaining work.
- Wetlands permit from USACE granted August 6, 2021.
- Monitoring well installation and sediment sampling began August 19, 2021.

Site 109:

- All field work completed.
- Second full groundwater sampling event will be completed when Site 108 wells are fully developed.

Site 110:

- All field work completed.
- Second full groundwater sampling event will be completed when Site 108 wells are fully developed.

RIWP Minor Modifications

Site 108:

- Combine additional monitoring wells with two of the sediment core locations. Maintains same sampling coverage while minimizing wetland disturbance.

Site 109 and 110:

- Additional groundwater parameters will be analyzed for during next groundwater sampling event.
- Additional parameters will be used in the Feasibility Study to better assess monitored natural attenuation (MNA) as a potential part of the remedy.

RIWP Minor Modifications

Site 110: MNA Parameters

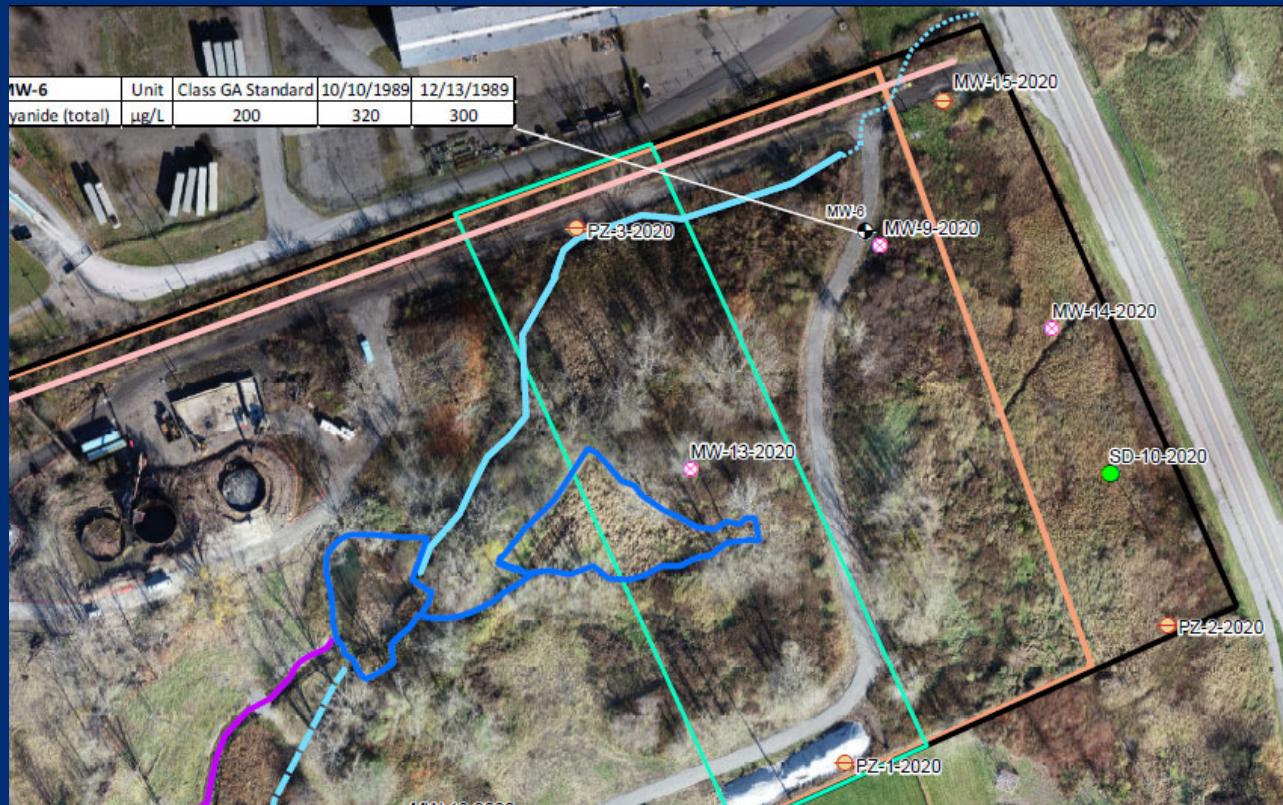
Parameter	Analytical Method
Total Nitrogen	EPA Method 351.2 and 351.4
Nitrate	EPA Method 353.2
Ferrous Iron	EPA Method SM-3500-FE-B
Sulfate	EPA Method 300.0
Sulfide	EPA Method 9030B
Methane	EPA Method RSK-175
Total Organic Carbon	EPA Method 9060A
Fraction of Organic Carbon	EPA Method 9060A
Chloride	EPA Method 300.0
Alkalinity	EPA Method 310.2

Dissolved oxygen, pH, and oxidation-reduction potential will also be measured in the field.



RIWP Minor Modifications

Site 108:



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Thank You

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