

VIA ELECTRONIC MAIL

October 10, 2019

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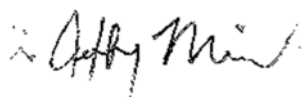
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**RE: Monthly Progress Report – September 2019
Taconic Site (Site No. 442047)
Petersburgh, New York**

Dear Madam;

Pursuant to Section XIII of Appendix A of the Order on Consent and Administrative Settlement for the Tonoga Inc. d/b/a Taconic facility in Petersburg, New York, the Monthly Progress Report is attached. Please feel free to contact me at 518.658.3202 x328 or at jeffm@4taconic.com if you have any questions.

Sincerely,



A. Jeffrey Mirarchi, P.E.
Project Engineer

cc: Jason Johnson, NYSDEC
Barbara Firebaugh, NYSDEC
Ian Beilby, NYSDEC
Justin Deming, NYSDOH
Dawn Hettrick, NYSDOH
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**MONTHLY PROGRESS REPORT
TACONIC FACILITY (NYSDEC SITE NO. 442047)
PETERSBURGH, NEW YORK
September 2019**

Actions Taken to Comply with the Settlement Agreement During Previous Month (September):

- Preparation of the Interim Investigation Deliverable as described in Section 6.2 of the RI/FS Work Plan continued in September 2019 and is due to the NYSDEC within 60-days of receiving the final analytical data package from the Phase 1 work. This activity also involves identification of data gaps in the Phase 1 of the RI and evaluation of additional investigations in Phase 2 of the RI.
- The borehole geophysical investigations described in Section 2.4.2 of the RI/FS Work Plan was performed on a new production well on September 5, 2019. Discrete interval groundwater sampling and hydraulic conductivity testing of this well is planned for October 2019.
- The status of the point-of-entry treatment (POET) system and non-POET location monitoring is provided in the attached tables.

Plans, Reports, and Other Deliverables Required by the Settlement Agreement Completed and Submitted in the Previous Month (September):

- Preliminary drafts of the borehole geophysical logs collected on September 5, 2019 were transmitted to the NYSDEC by email on September 16, 2019.

Results of Sampling, Tests and Any Other Data Received or Generated by or on behalf of Respondent During the Previous Month (September):

- Analytical results were received in September 2019 for the surface water samples collected in August 2019. This data will be uploaded to the NYSDEC once validated by the third-party data validator.
- Validated analytical result EDDs for the Phase 1b Remedial Investigation (overburden monitoring well sampling) were transmitted to the NYSDEC on September 20 and 30, 2019,
- Analytical results received during the month for the POET systems and annual raw only properties were submitted to NYSDEC/NYSDOH/RCDOH on September 4, 20, and 30, 2019. POET analytical results EDDs were submitted to NYSDEC on September 9, 20, and 30, 2019.
- Analytical results received during the month for the Town of Petersburg treatment system were submitted to NYSDEC/NYSDOH/RCDOH on September 9 and 10, 2019. Town treatment system analytical result EDDs were submitted to NYSDEC on September 12, 2019.

Activities Undertaken in Support of the Citizen Participation Plan (CPP) During Previous Month (September):

- None.

Actions, Plans and Data Scheduled for the Next Month (October):

- The final round of the Phase 1 Remedial Investigation periodic surface water sampling is scheduled for October 17, 2019.
- Discrete interval groundwater sampling and hydraulic conductivity testing of the new production well is scheduled to begin on October 21, 2019.
- A 72-hour pumping test of the new production well is planned for late October to support the permitting of the well as a public water supply.
- Analytical results are scheduled to be received for the installed POET systems and raw water only locations with no POET systems.

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- Sampling of the installed POET systems and raw water only locations with no POET systems will continue.
- Installation and maintenance services of POET systems will continue.
- Installation of POET system(s) not yet completed at locations included in Exhibit C of the Settlement Agreement will continue if accepted by the homeowners.
- Operation and maintenance support services for the Town of Petersburg Treatment System will continue.

Activities in Support of the Citizen Participation Plan Anticipated for the Next Month (September):

- None.

Delays Encountered or Anticipated and Mitigation Measures:

- None.

Proposed or Approved Modifications (Work Scope and/or Schedule):

- As discussed with the NYSDEC on September 3, 2019, for the recently installed production well, a packer system described in Section 6.5 of the Field Sampling Plan will be used to perform the depth-discrete groundwater profiling and hydraulic conductivity testing, planned to start on October 21, 2019.

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Percentage of Completion and Additional Information Relating to the Progress of Work:

RI Phase 1a Tasks	Percent Complete
Miscellaneous Sampling (USTs, Bldg 6 pipe)	100%
Underground Utility Location	100%
Surface Soil Sampling	100%
Surface Water Sampling-Initial	100%
Surface Water Sampling-Periodic (3 events)	67%
Sediment Sampling	100%
Direct Sensing-DPT	100%
Subsurface Soil Sampling-DPT	100%
Discrete Interval Groundwater Sampling-DPT	100%
Borehole Geophysical Investigations	100%
Discrete Interval Groundwater Sampling-Geophysical	67%
Shallow Bedrock Borehole Installation	100%
Discrete Interval Groundwater Sampling-Boreholes	100%
Data Validation	100%

RI Phase 1b Tasks	Percent Complete
Phase 1b Overburden Well Installation	100%
Phase 1b Overburden Well Development	100%
Phase 1b Groundwater Sampling	100%
Phase 1b Hydraulic Conductivity Testing	100%
Data Validation	95%
Phase 1 Interim RI Deliverable	60%

<p align="center">MONTHLY PROGRESS REPORT TACONIC FACILITY (NYSDEC SITE NO. 442047) PETERSBURGH, NEW YORK September 2019</p>

POET System Monthly Report

Raw-Only Sampling of Locations with No POET System	
Total Raw-Only Locations	144
Total Raw-Only Sampled	3Q19 =3 Completed; 3 Scheduled <ul style="list-style-type: none"> • July =1 Completed; 0 Scheduled. • August = 2 Completed; 1 Scheduled. • September = 0 Completed; 2 Scheduled.
Locations On Hold	10 (5 vacant locations and 5 current owners that requested no additional samples be collected and to be removed from the list.)
New POET System Installed as a result of Raw-Only Sampling	5 (1 pending, under construction)
New POET System Cleared for Use	5 (1 pending, under construction)
POET Systems	
<u>Updated Exhibit C POET System Installation List:</u>	
Total POET System Locations	98
Total POET Systems Installed	94 (1 pending construction in progress)
POET Systems Clear for Use	94 (1 pending, construction in progress)
POET Systems on Hold	3 (Contacted homeowners.)
POET Installations - Exhibit C of the Settlement Agreement	96% (Will complete with homeowners acceptance)
<u>POET System O&M:</u>	
Total POET System Properties Sampled this Quarter	3Q19 = 50 Completed; 61 Scheduled <ul style="list-style-type: none"> • July = 22 Completed; 19 Scheduled. • August = 11 Completed; 22 Scheduled. • September = 17 Completed; 20 Scheduled.
GAC Tank Exchanges	4 (0 pending)
3 rd Quarter Maintenance Monitoring of the POET Systems August	82% through September 2019