

## Kornak, Kate F (DEC)

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**From:** Kosier, Michael <Michael.Kosier@arcadis.com>  
**Sent:** Tuesday, December 31, 2019 12:17 PM  
**To:** Thorsland, Derek T (DEC); Prince Knight; Malcolm, James E (DEC)  
**Cc:** Kornak, Kate F (DEC); Schmitt, Victoria M (DEC); David Maguffin; Tita LaGrimas; Schmitt, Victoria M (DEC); Hadersbeck, Joseph E (DEC); Luisi, Anthony P (DEC)  
**Subject:** Norlite WWTP Closure - Process Discharges from Outfalls 006, 06A and 06C Eliminated

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Good afternoon.

Please accept this e-mail as confirmation that Norlite/Tradebe has eliminated process discharge from Outfalls 006, 06A and 06C in accordance with the requirements of the following:

- The Schedule of Compliance for SPDES Permit No. NY0004880
- The Schedule of Compliance in Order on Consent No. R4-2019-0731-48, and
- The approved Closure Plan for SPDES Permit No. NY0004880 Wastewater Treatment Plant and Outfalls 006, 06A and 06C (as prepared by Arcadis in November 2019 and revised in December 2019).

Activities completed to date include:

- The existing wet scrubber system and associated influent flow to the WWTP were shut down on December 23, 2019.
- Influent source piping from the scrubber system has been removed and disconnected from the WWTP.
- The exposed portion of the effluent force main has been physically removed from the effluent discharge pumps to the point just before it goes underground near the overhead utility pipe support.
- The buried portion of the effluent force main:
  - was flushed with 4,200+ gallons of treated quarry water. (This water was collected at the Outfall 006 manhole for characterization and disposal).
  - was pressure tested to demonstrate the integrity of the pipe.\*
  - was capped with a blind flange on the upstream end (Station 26+77.7), and plugged with non-shrink grout on the downstream end in the City of Cohoes' storm sewer manhole at Saratoga Street near the intersection with Bridge Street (Station 0+00) (photos below).



\* It is noted that the pressure test conducted on December 30, 2019 held for 50+ minutes at 6 psi with zero pressure drop, as observed by representatives from Arcadis, Norlite, Precision Industrial Maintenance, and NYSDEC. Sometime between the 50-minute and 60-minute pressure readings, a leak developed somewhere in the testing apparatus (most likely at location of the mechanical seal), and a pressure loss of 2 psi was observed in the final ten minutes (which held again once stabilized). Unfortunately, weather conditions and time did not permit re-testing for a full 60-minutes on that date, but given that there were no losses in the system for 50+ minutes (a duration exceeding recommended requirements for sewer pipe testing using low pressure air) Arcadis recommends acceptance of this pressure test as successful demonstration of the integrity of the force main.

These activities have created a physical separation that will ensure no further discharges from Outfalls 006, 06A and 06C. Norlite will continue with WWTP decommissioning activities in accordance with the Closure Plan and associated QAPP over the next several weeks, and we will notify the Regional Water Engineer when Norlite is ready to schedule a final site inspection. Please feel free to contact Prince Knight or me if you have questions.

Thanks,

Mike

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