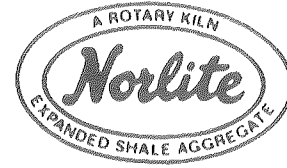


Norlite, LLC



628 SO. SARATOGA STREET
PO BOX 684
COHOES, NY 12047
PHONE: (518) 235-0401
FAX: (518) 235-0233

Kate Kornak
Environmental Analyst, Division of Environmental Permits
NYS DEC – Region 4
1130 North Westcott Road
Schenectady, New York 12306

March 29, 2017

Re: Norlite, LLC –DEC#4-0103-16/20-0 SPDES#NY-000 4880– Permit Modification Request – WWTP Hydrogen Peroxide

Dear Ms. Kornak:

Norlite, LLC (Norlite) is submitting this letter as a request for permit modification to our SPDES permit #NY-000 4880. As required by 6 CRRNY 750-2.10, Norlite is submitting the specifics of the modification outlined below and the engineering drawings of the proposed modifications to the Waste Water Treatment Plant (WWTP).

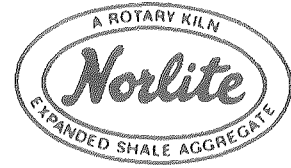
In summary, Norlite is proposing to switch from using chlorine bleach (sodium hypochlorite) to hydrogen peroxide (50%) for bacterial control and hydrogen sulfide reduction. Hydrogen peroxide will be a more efficient chemical for this process which will provide improved control over the WWTP operation.

In preparation for either chemical in use, Norlite will install a bulk holding tank. The tank drawings are attached for your reference. (Please note that the tank is already on site but is **not** connected to the WWTP at this time). The drawings illustrate the proposed piping and connection points.

The other engineer drawings detail the dosing mechanism that will be used to introduce the hydrogen peroxide to the WWTP system. Upon approval from the Department, Norlite will coordinate the construction of the piping system and connections without interruption to the current system. Once construction is complete and approvals are received, Norlite will begin using hydrogen peroxide in the WWTP process.

All preliminary bench tests indicate that using hydrogen peroxide will be a significant improvement. However, to ensure that it translates to a larger scale, Norlite is requesting permission to conduct an interim study as follows (on a date to be determined and communicated to the department):

1. Provide a tote(s) of hydrogen peroxide to the WWTP and configure it for introduction
2. Use hydrogen peroxide as intended for the modification for a period of 30 days
3. Increased sample monitoring will be conducted at outfalls 06A and 006 to ensure SPDES compliance (all permit monitoring parameters will be considered on the monthly DMR)
4. Other intermediate sampling points and parameters (non SPDES regulated parameters) may be tested as recommended by water engineers to ensure proper system performance
5. A final report will be prepared for the Department's review 30 days after testing is complete
6. Norlite will return to normal WWTP operation using sodium hypochlorite until such time that the Department has approved the modification request.



Norlite, LLC

Norlite believes that this improvement will benefit our internal operations and provide the Department with additional confidence on the quality of our water discharge, while reducing potential odor complaints from both sulfide and chlorine. Norlite looks forward to working with the Department during all phases of this implementation.

Should you have any questions regarding this letter, please contact me at (518) 235-0401 or email at: Prince.Knight@Tradebe.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Prince M. Knight III", with a long horizontal flourish extending to the right.

Prince M. Knight III
Laboratory, Environmental and Compliance Manager

Ecc: Carrie Smith – NYS DEC
Shayne Mitchell – NYS DEC
James Malcolm – NYS DEC
Joseph Hadersbeck – NYS DEC
Darrell Monk – Norlite
David Maguffin – Norlite
Kenny Huy – Tradebe, NE
Tita LaGrimas – Tradebe
Sarah Kowalczyk - Tradebe