

TNSA

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Date: September 24, 2021

Memo To: Township of Neptune Sewerage Authority Service Residents

Memo From: TNSA Board of Commissioners

Re: Monthly Summary of Operations for September 2021

Please find below a summary of operations for the month of September.

TNSA Odor Control - As a follow up to August's summary of operations, TNSA identified a user conveying high sulfides to the Authority's wastewater treatment plant. The user began introducing Bioxide at its pump station located on Jumping Brook Road since June 15, 2021. The Authority continues to monitor the sulfides through weekly/monthly information downloaded from data loggers owned and operated by Evoqua. TNSA has requested adjustments to the feed rates based on information received from residents and data downloaded from the data loggers. Evoqua has set up remote monitoring which allows the Authority to access real time data and the ability to set up alarm set points.

In addition, TNSA with the help of its engineers, Remington & Vernick has purchased two (2) odor control systems from Evoqua for the influent channels at the wastewater treatment plant. These systems are designed to remove hydrogen sulfide and ammonia, which will reduce odors for these locations. TNSA has received notification from Evoqua that due to a resin shortage used for the fans in the unit, the delivery has been pushed back by an additional four (4) weeks. Delivery of the units is scheduled for mid-November. TNSA will continue to reach out to Evoqua to inquire about expediting delivery. At this time, Evoqua has confirmed delivery for mid-November.

Digester No. 3 Cover Replacement & Sludge Mixing System Upgrade Project -

As you are aware, Digester No. 3 was originally taken off line so that the mixing system could be upgraded. When the upgrade was completed, the original cover was not operational. TNSA entered into a contract to replace the original cover with a new membrane cover. The digester remained off line resulting in an increase in the hauling operation.

On May 10, 2021, during start up, the inner membrane ruptured. As a result, the digester remains off line and the sludge hauling operations are continuing. The inner and outer membrane covers will need to be replaced.

TNSA at its meeting on June 16, 2021, approved Change Order No. 2, that authorized Allied Construction Group, Inc. to remove and clean both membrane covers. The contractor has completed the removal of both covers and the cleaning of the membrane covers.

In the interim, the Authority requested and received a proposal from Allied Construction Group, Inc. and the manufacturer Westech for replacement covers. TNSA scheduled a special meeting that was held on July 1, 2021 to discuss Change Order No. 3, which was to authorize the purchase of the replacement covers in-kind. The Authority approved Change Order No. 3 and anticipates the delivery of the replacement covers in approximately twenty-six (26) weeks. TNSA will continue to reach out to Westech to inquire about expediting delivery.

Since Change Order No. 2 was completed, the Authority will now have to empty the contents of Digester No. 3 and clean it out to perform an inspection in anticipation of the installation of the replacement covers. The Authority requested and authorized from Allied Construction Group, Inc. a proposal to remove, transport and dispose of the digester contents at its meeting on July 21, 2021. Once removal is completed, the contractor will wash down the walls and floor of the tank. The removal process began the week of August 9th and was completed on Thursday, September 23rd.

The Township of Neptune Sewerage Authority sincerely apologizes for any inconvenience.

While the Authority owns and operates an 8.5 mgd wastewater treatment plant, we are committed to protecting the environment, with providing our customers professional, safe and efficient wastewater treatment on a 24/7 basis.

TNSA will be providing monthly updates on our website at www.tnsa-nj.org under the "Public Announcement" link. In the meantime, if you have any questions or concerns please feel free to contact the Authority.

Thank you for your patience and understanding.