

# Landis Sewerage Authority, Vineland, New Jersey

## Public Notice to Modify Air Permit

This notice is given in accordance with the New Jersey Department of Environmental Protection (NJDEP) Administrative Order 2021-25 (AO 2021-25), that the Landis Sewerage Authority (LSA) located in Vineland, New Jersey, intends to modify Pre-Construction Air Permit (PCP190002).

Landis Sewerage Authority (LSA) operates a Wastewater Treatment plant (WWTP) located at 1776 South Mill Road, In Vineland, New Jersey. The WWTP facility has a design flow of 10.2 million gallons per day (MGD) with average flows of 5.32 MGD. The facility consists of two (2) one million gallon per day equalization basins, Six (6) 500,000-gallon denitrification basins and eight (8) 800,000 Aeration basins, two (2) 980,000-gallon digester tanks along with two (2) 1.9-million-gallon sludge storage tanks.

The permit modification and changes to the facility with each of these actions includes:

- Increase the number of hours the Hot Water Boilers (No. 1 and 2) can use No. 2 fuel oil from 3,000 per year to 8,700 hours per year. No. 2 Fuel Oil is a backup fuel used only in cases of a malfunction of the digester gas system.
- Add natural gas as a back-up fuel to Boilers No. 1 and 2 (future) which would eliminate No. 2 fuel oil and further reduce emissions. Firing natural gas would reduce emissions versus No. 2 fuel oil.
- Increase slightly H<sub>2</sub>S (Hydrogen Sulfide) emissions from CHP Engine while still reducing 95% of H<sub>2</sub>S in the digester gas pretreatment equipment. 98% of remaining H<sub>2</sub>S emissions are converted to SO<sub>2</sub> (Sulfur Dioxide) emissions in the combustion process.
- Correct SO<sub>2</sub> emissions currently listed in approved NJDEP air permit PCP19002, prior to pre-treatment and going to the Hot Water Boilers. These emissions were previously underestimated. However, the SO<sub>2</sub> emissions will still be below the NJDEP limit of 310 PPM SO<sub>2</sub> at 12 % CO<sub>2</sub> (Carbon Dioxide).

Pursuant to AO 2021-25, an in person public information session will be held at 6 p.m. on June 20<sup>th</sup>, 2023, at the Landis Sewerage Authority located at 1776 South Mill Rd. Vineland, NJ 08360. Landis Sewerage Authority will also consider written comments for sixty (60) days. The comment period will begin on June 16<sup>th</sup> and end at 6 p.m. on August 16<sup>th</sup>, 2023. Any comments should be addressed to Anthony Tobolski, Executive Director, Landis Sewerage Authority, 1776 South Mill Rd., Vineland, NJ 08360 or by email at [anthonytobolski@landissewerageauthority.com](mailto:anthonytobolski@landissewerageauthority.com).