

The Long Branch Sewerage Authority has hired APS Construction Co., Inc. for the Treatment Plant Modification Project. The project is slated for an estimated completion date of November 2011. Between now and the completion date, the contractor has requested that the Authority remove from service certain wastewater treatment units at the site in order to rehabilitate and construct new equipment for these units. During this rehabilitation work the secondary treatment of wastewater, at times, may become compromised. Unfortunately, odors may be released from different tanks during this time which could impact the rate-payers living in close proximity to the facility. The odors are only temporary and as each treatment unit is put back online these odors will abate. Please be assured that the staff at the Authority are working diligently within the facility each day to alleviate any odors and plant upset that may be occurring. We would ask for patience from the community to get us through this difficult time. Please be aware that it was never the Authority's intention to remove these critical tanks from service during the summer months. However, due to delays of this project which were not the fault of the Authority, this is where we are at this time. One of the main goals of this project is to construct "state-of-the art" odor abatement facilities at LBSA to better enhance the quality of life for the citizens of Long Branch. We are striving towards that goal which will be achieved by the completion of this project.



The Authority is currently doing everything it possibly can to alleviate the orders stemming from the fact that the aeration tank 1 and 2 have been down since Easter and the secondary treatment has been compromised.

We are adding approximately 135 gallons per day of magnesium hydroxide to both the aeration tank returns and the thickener tank. Our pH has steadily increased which is controlling the release of Hydrogen Sulfides into the atmosphere. We have doubled chlorine consumption in the final plant effluent to allow for oxidation of any organics that may be left in the treatment at that point of the process. WE are maxed at the amount of oxygen that we can put into the aeration tank. If we can get the new blowers up and running we should be able to solve the oxygen problem.

We are adding a total of 120 pounds per day of hydrated lime directly to the primary effluent to also elevate the pH of the effluent as it becomes introduced to the MLSS.

The digester that is in operation has no free standing sludge on the covers. We are mixing the grit and bar screenings with hydrated lime to prevent odors emanating form the 20 yard disposal container.

We have doubled our sludge removal rate to 15,000 gallons per day to take as many solids as we can out of the system. We are trying to maintain solids as close to design parameters as we can, considering that we are running on half of our designed treatment train.

Operators have been trained to look for pH fluctuations during the night and to adjust chemicals as needed. We have been wasting all methane gas during the night so that the boilers are burning solely natural gas. This keeps a lower pressure threshold within the digesters to prevent gas burping during the night, which is another source of night time odors.

We have put a tremendous amount of pressure on the contractor to expedite the completion of the new diffusers in the aeration system to get these tanks back online ASAP. They in turn have stepped their manpower at the facility and are working 6 day work weeks.

Have directed the contractor that we will not take any more units out of service until we see movement on the tanks that are already down, thereby alleviating any more constraints on the system.

