

The January 8, 2015 Special Meeting of the Greater Hazleton Joint Sewer Authority was called to order by Vice Chairman George at 7:00 PM. All in attendance gave a pledge of allegiance. Board Members Carsia and Eyerly were absent and all other Board Members were present. The Authority's Assistant Chief Operator, Gene Zynel, was also in attendance.

PUBLIC COMMENT

There was no public comment.

Vice Chairman George called a Special Meeting for 7:00 PM on January 22, 2015 for a presentation by the Authority's Investment Consultants at Morgan Stanley.

The Director of Operations, Christopher Carsia, reported that Gene Zynel was asked to attend the meeting to discuss the Incinerator Air Quality and Solid Waste Permits recently issued by DEP. Christopher gave a history of incineration at the Authority's treatment plant including decommissioning of the original incinerator in the early 1990's. He said costs for sludge hauling to landfill at that time were extremely attractive at about \$18 per ton. He informed the Board that the sludge disposal prices have continued to climb over the years and are currently about \$62 per ton. He then stated that the incinerator permits reference a designated person to be responsible for the operation of the incinerator. He said Gene Zynel was sent to a Thermal Oxidation (Incineration) event in Cincinnati, Ohio to network with other treatment facilities that use incineration for sludge disposal.

Gene stated that the conference consisted of a plant tour to observe the operation of Cincinnati's three incinerators and information sessions with other managers and owners to discuss incinerator optimization. Gene discussed the carbon adsorption unit that needed to be added to the Authority's incinerator as additional air quality equipment due to the new EPA standards. He said Cincinnati will be undergoing an upgrade to add new air quality equipment to remove mercury, which is the function of the carbon adsorber.

Christopher stated that the Authority was committed to the project before the EPA established more stringent air quality standards. He said due to the existing footprint of the plant and the expected operating costs over the life of the equipment, incineration was recommended by the engineer. He said it comes with a price in the form of capital costs for the additional air quality equipment, but the Authority should be able to maintain compliance since the carbon adsorber is best available technology. He said in order to adhere to the permit conditions, a point person needs to be in charge of the incinerator and he is recommending Gene Zynel for that position.

Gene continued his discussion with the Board by stating that maintenance and operator training are critical items with incineration. He said it is a very safe technology with proper training and preventative maintenance. He said the incinerator needs to be taken out of service for approximately one month each year for maintenance, which would require the Authority to continue hauling to landfill during that period. He said training for the incinerator needs to be EPA approved and a program already exists for the Infilco Degremont, Inc. (IDI) incinerators through a company named 360 Water. A discussion ensued and Gene answered several technical questions asked by the Board regarding operation and maintenance of the incinerator. Gene also stated that several plans and procedures need to be developed prior to incinerator operation, including a Risk Management Plan, Emergency Management Plan, Radiation Protection Plan, and Standard Operating Procedures. He also noted that the Authority's job descriptions for Plant Operator A & B should be modified so the Plant Operator B does not leave the incinerator unattended. He stated that having operators cross trained for all jobs or having them dedicated to one position, such as incineration, is each plant's individual preference. He said the Authority may need to look at restructuring of Operator's duties,

but that still needs to be discussed with Management and Union representatives. Gene then stated that the permits contain many important dates and deadlines for reporting. He said semi-annual, monthly, and violation reports need to be filed with DEP at different times. He stated that an outside company can be hired to perform the monitoring that is required under the permit and the performance testing will be coordinated through IDI. He said the technology and programming allows the incinerator to run by itself, but an operator needs to be present to optimize the equipment for efficient operation.

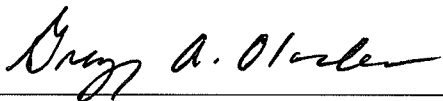
Christopher stated that the Authority needs to be proactive to start the incinerator on time. He also stated the Authority has researched converting the old sludge holding tank into a grease digester to use as supplemental fuel for the incinerator.

Gene Zynel exited the meeting at this time.

The Director of Operations requested the Board enter executive session to discuss personnel issues.
Passed: Aye-7, Nay-0, Absent-2

After the Board moved out of Executive Session, Boyarski & Cusat moved to adjourn. Passed:
Aye-7, Nay-0, Absent-2
The meeting was adjourned at 8:45 PM.

Respectfully submitted,
Greater Hazleton Joint Sewer Authority



Gregory Olander, Assistant Secretary