

**DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION  
ACTIVITY REPORT: On-site Inspection**

B724272779

<b>FACILITY:</b> Grand Haven-Spring Lake Sewer Authority		<b>SRN / ID:</b> B7242
<b>LOCATION:</b> 1525 Washington St., GRAND HAVEN		<b>DISTRICT:</b> Grand Rapids
<b>CITY:</b> GRAND HAVEN		<b>COUNTY:</b> OTTAWA
<b>CONTACT:</b> Ryan Vredeveld , Wastewater Treatment Superintendent		<b>ACTIVITY DATE:</b> 07/19/2024
<b>STAFF:</b> Chris Robinson	<b>COMPLIANCE STATUS:</b> Compliance	<b>SOURCE CLASS:</b> MINOR
<b>SUBJECT:</b> FY '24 onsite inspection to determine compliance with PTI no. 261-79, PTI no. 22-13, and any other applicable air quality rules and regulations.		
<b>RESOLVED COMPLAINTS:</b>		

On July 19, 2024, Staff Chris Robinson (CR) from Michigan's Department of Environment, Great Lakes, and Energy (EGLE) Air Quality Division (AQD) conducted an inspection at Grand Haven-Spring Lake (GH-SL) Sewer Authority (SRN B7242) located at 1525 Washington Street in Grand Haven, Michigan. CR met with Ryan Vredeveld, provided identification, and informed him of the purpose of the inspection which was to determine GH-SL Sewer Authority's compliance status with respect to applicable air quality rules and regulations.

Weather conditions were approximately 70°F, fair with southwest winds at approximately six (6) mph ([www.weatherunderground.com](http://www.weatherunderground.com)). The accessible portion of the facility's perimeter was surveyed prior to entry for odors and visible emissions, none were observed.

The facility operates under Permit to Install (PTI) No. 261-79 and PTI No. 22-13. Both permits are for odor control equipment. However, the system covered in PTI 22-13 replaced the system covered under 261-79. Therefore, this PTI must be voided. CR will submit this request.

CR discussed the requirements of PTI 22-13 which is for a biofilter system for controlling odors from all odors sources. An ammonia scrubber is used to assist in removing ammonia and adding humidity to the air. The facility has a Malfunction Abatement Plan (MAP) and an Odor Minimization Plan (OMP). Both the MAP and OMP monitoring parameters are being monitored daily and necessary records are being kept. CR reviewed these records onsite. Examples are attached. Per discussions, the scrubber and biofilter are operated at all times when material is being transferred to any of the emission units listed in FGBIOFILTER.

Some issues were noted with the MAP and discussed. Not all operating parameters have an appropriate "optimal Range" listed. For instance, "Water Pressure" is listed as "40psi". This should be a range not a single value. Also, some of the values recorded exceed the optimal ranges listed. Per discussions the facility has changed the ranges slightly over time but has not updated the MAP. GH-SL Sewer Authority needs to revise the MAP to include proper ranges for all parameters and to update any that have changed. This revision is required to be submitted to the AQD by August 30, 2024.

CR discussed use of Rule 201 permitting exemption Rule 285(2)(m). In 2016 this exemption was revised to include odor control systems at wastewater facilities as long as they were not being used to control VOC's. Mr. Vredeveld is considering switching to using this exemption instead and will notify CR. If he does CR will submit a request to void PTI 22-13.

Based on observations and a review of records GH-SL Sewer Authority appears to be operating in compliance with applicable air quality rules and regulations including PTI 22-13.

NAME DATE 7/24/2024SUPERVISOR 