

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Self Initiated Inspection

P050045594

FACILITY: SEBEWAING LIGHT AND WATER DEPARTMENT-BULB CRUSHER		SRN / ID: P0500
LOCATION: 350 PINE STREET, SEBEWAING		DISTRICT: Saginaw Bay
CITY: SEBEWAING		COUNTY: HURON
CONTACT: Melanie McCoy , Superintendent		ACTIVITY DATE: 08/01/2018
STAFF: Matthew Karl	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Self Initiated Inspection for PTI No. 16-14		
RESOLVED COMPLAINTS:		

On Wednesday (8/1/18) I (Matt Karl) conducted a self-initiated compliance inspection at Sebewaing Light & Water located at 350 Pine Street, Sebewaing, MI. The purposed of the inspection was to determine compliance with the Federal Clean Air Act; Article II, Part 55, Air Pollution Control of Natural Resources and Environmental Protection Act, 1994 Public Act 451; Michigan Department of Environmental Quality, Air Quality Division (MDEQ-AQD) Administrative Rules; Permit-to-Install (PTI) No. 16-14. Ms. Melanie McCoy, Superintendent, assisted during the inspection.

PTI No. 16-14 is for a fluorescent light bulb crusher. The bulb crusher is a 55-gallon drum-top crusher, controlled by a bag filter followed in series by a HEPA filter and an activated carbon filter. The sealed lid contains the crushing unit and the associated filters. When the drum is full, the equipment lid is replaced with a sealed shipping lid and Air Cycle Services picks up the spent drum and replaces it with an empty 55-gallon drum.

Melanie McCoy informed me that the bulb crusher was not currently installed and has not operated since Fall 2017. The bulb crusher is currently stored on site in a storage shed at 350 Pine Street (see Photo 1). The bulb crusher was moved to the storage shed in March 2018.

I sent a records request to Melanie McCoy via email to determine compliance with the recordkeeping requirements in PTI No. 16-14 on Friday (8/3/18).

On Monday (8/13/18) I received records from Melanie McCoy via email from the PTI No. 16-14 Appendix 3 "Light Bulb Crusher Recordkeeping." The records covered the time period from February 2014- July 2017.

EU-BULBCRUSHER: Compliant

PTI No. 16-14 limits the material limits of equivalent eight-foot fluorescent light bulbs to not more than 400 per day and 5000 per 12-month rolling time period. Over the period of the records provided, the maximum amount crushed daily was 169.5; the maximum amount crushed per 12-month rolling time period was 263.5, which are well below the material limits.



Image 1(Photo 1) : Photo 1. Photo of blub crusher located in storage shed at 350 Pine Street.

NAME Matthew L. Karl

DATE 8/14/18

SUPERVISOR C. Spive