

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Scheduled Inspection

P050037216

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: 10/20/2016
STAFF: Sydney Bruestle	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Inspection to determine compliance with PTI 16-14 and monitor Mercury emissions before and during operation of the bulb crusher		
RESOLVED COMPLAINTS:		

I (Sydney Bruestle) visited Sebewaing Light and Water on October 20, 2016 to verify compliance with PTI 16-14. This PTI is for a fluorescent bulb crusher located at 464 Pine in Sebewaing, MI. Eric Hansen (DEQ) accompanied me with a Lumex monitor to conduct air monitoring while the bulb crusher was operating. We arrived onsite around 9:45 am and met with Pete Smith. We followed Pete across town to the Engine warehouse where the bulb crusher is operated.

We performed Lumex monitor reading for mercury before the bulb crusher was operated, during operation, and after. the crushing was completed at various distances from the crusher. The Lumex monitoring report is attached.

Pete maintains records of the size and number of bulbs crushed daily, monthly, and annually. The crusher is only operated 1-2 times a year and averages around 100 bulbs (mostly 4' bulbs) a year which is well below the 5000 bulb limit. They only crush around 50 bulbs on average for each calendar day. The facility records when the HEPA and carbon filters are changed, these were last changed in 2015. The facility was well maintained and clean, there was no broken glass or debris from the crusher.

At the time of my inspection it appeared the Sebewaing light and water department was in compliance with PTI 16-14 and all other applicable state and federal air quality regulations.

NAME Sydney Bruestle DATE 10/20/16 SUPERVISOR C. Nave