

**Michigan Department of Environmental Quality
Air Quality Division**

INSPECTION REPORT

N725827160

Facility Name:	GLASS RECYCLERS INC.	SRN/ID:	N7258
Address:	6465 WYOMING	Source Class:	MINOR
City:	DETROIT	Operating Status:	OPERATING
County:	WAYNE	Staff:	KRAWIECG
District:	Detroit		

Inspection Date: 9/24/2014 **Inspection Type:** SCHED INSP **Compliance Status:** COMP

Inspection Comment: Targeted inspection for FY 2014.

Inspection Remarks

AQD staff conducted an unannounced scheduled inspection of Glass Recyclers Inc. located in the City of Dearborn. The purpose of the inspection was to determine the facility's compliance with state and federal air pollution regulations. In addition, this site has a Fugitive Dust Plan, established by the Wayne County Air Quality Management Division on September 14, 1998.

After discussing the purpose of my visit by phone with Doug Rahaim, Vice President, Joe Vancil, Plant Manager accompanied AQD staff on the inspection.

FACILITY DESCRIPTION:

Glass Recyclers is a small privately owner crusher and reseller of glass materials. The company has been in business at its current 7 acre site since 1993. There are approximately 160 employees working 3 shifts, 24 hours a day, 5 days per week. The company receives mostly glass bottles from the beverage industry and some glass jars from the food industry. These glass products are then sorted by color and crushed to specific cullet sizes. This final product is sold to glass manufactures.

PROCESS DESCRIPTION:

Whole glass bottles are received in the loading dock, typically in cardboard cases. They are sorted into colorless and colored piles (brown and green glass are mixed together). The bottles are then sent to one of the fixed hammer mills, where they are crushed. The container labels and other foreign materials are blown out of the glass into a particulate collector, which is a baghouse with no enclosure (i.e., the bags are visible during operation). This debris is disposed of in the general trash. The crushed glass is then sent to one of several storage piles. The cardboard cases are sent to a compactor and bundled for recycling.

Some beverage distributors have their own bottle crushers. In this case, Glass Recyclers receives pallets with a four foot cube heavy duty cardboard box on them full of broken glass. These are dumped into a pile on the west end of the process building.

Outgoing crushed glass (or cullet) is sent through a metal separator, which sorts pieces of aluminum and steel out of the stream. When an opaque piece is detected, a directed blast of air sends it into a separate hopper.

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Previously, the facility operated a "fine grind" mill, located in another building on the south side of the property. The mill was designed to take the cullet down to the particle size of table sugar. This product was sold to fiberglass manufacturers. This equipment has been shut it down for several years, it was the source of fugitive dust issues.

COMPLIANCE EVALUATION:

Interior building operations are somewhat dusty however, fugitive dust was not observed outside the building. The dumping of glass cullet into outside storage bins does not generate excessive dust. The outside yard with its truck traffic does have the potential to cause fugitive dust issues. At the time of this inspection, these interior roadways were not dusty. As a result of the Fugitive Dust Plan the company periodically hires a wet sweeper to sweep the area including some footage on Wyoming. Records are attached for 2014 sweepings. This has been a somewhat rainy summer and the sweeper has been used less then last year.

EVALUATION SUMMARY:

Glass Recyclers Inc. is operating in compliance with its Fugitive Dust Plan and applicable air quality regulations.

NAME *E. J. Klawiec* DATE *10/27/14* SUPERVISOR *W.M.*