

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

N162731023

FACILITY: TURBO COMPONENTS INC		SRN / ID: N1627
LOCATION: 16960 148TH AVE, SPRING LAKE		DISTRICT: Grand Rapids
CITY: SPRING LAKE		COUNTY: OTTAWA
CONTACT: Brad Fortenbacher , Owner		ACTIVITY DATE: 09/03/2015
STAFF: Eric Grinstern	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Unannounced Inspection		
RESOLVED COMPLAINTS:		

**Unannounced inspection of Turbo Components Inc.**

**At the facility, staff met with Brad Fortenbacher, President.**

**The facility is an aluminum foundry that casts diesel engine turbine housings.**

**The facility has NSR permit No. 483-87A.**

**Summary of equipment and compliance determinations.**

**PTI No. 453-87A, covers eight (8) 500 lb. crucible furnaces, one (1) reverberatory furnace and a sand system.**

#### **METAL MELTING**

**The facility's charge consists of internal run-around and certified ingots. While the facility is permitted for eight furnaces, they are currently only operating five of the furnaces.**

#### **MOLDING**

**The facility has two Hunter green sand molding lines. Molds are cycled on a conveyor to be hand poured next to the furnaces. The facility has eight (8) Redford core machines for the production of shell cores.**

#### **SHAKEOUT**

**The facility has a vibratory trough for shakeout that is uncontrolled. Shakeout was addressed in the last NSR application.**

#### **SAND HANDLING**

**The facility uses a green sand system and recycles sand for reuse through a muller recycling system. The sand system flow is as follows: elevator – rotary screen – hopper – muller – elevator – hopper.**

**Permit Requirements – NSR No. 453-87A**

**4.2/4.3 – Process no more than 50 pounds of flux per day and maintain daily records.**

**Status: Records provided demonstrating compliance**

**4.3 – Maintain monthly records of aluminum melted**

**Status:** Records provided demonstrating compliance

**4.4 - Maintain monthly records of sand used in pounds per month.**

**Status:** Facility is going to provide updated sand records based on mold count on a monthly basis

**Subpart ZZZZZZ –** The facility exceeds the threshold of 600 tons of throughput on an annual basis, however, review of the content of the aluminum used at the facility shows that it does not contain an aluminum HAP above the thresholds for applicability. Therefore the facility is not subject to Subpart ZZZZZZ at this time. The facility will become subject if an aluminum alloy containing increase HAP amounts is used at the facility.

**Conclusion**

**Based on the information and observation made during this inspection, the facility is in compliance with applicable air quality rules and regulations.**

NAME



DATE

9/29/15

SUPERVISOR

