

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

B158345232

<b>FACILITY:</b> UNITED ABRASIVE INC	<b>SRN / ID:</b> B1583
<b>LOCATION:</b> 19100 NORWAY, VULCAN	<b>DISTRICT:</b> Upper Peninsula
<b>CITY:</b> VULCAN	<b>COUNTY:</b> DICKINSON
<b>CONTACT:</b> WILLIAM R PAUPORE III , PRESIDENT	<b>ACTIVITY DATE:</b> 07/19/2018
<b>STAFF:</b> Sydney Bruestle	<b>COMPLIANCE STATUS:</b> Compliance
<b>SUBJECT:</b> Onsite inspection to verify compliance with PTI 71-01, 84-79, 84-79A, 84-79B, 84-79C and all other applicable state and federal air quality regulations	
<b>RESOLVED COMPLAINTS:</b> C-18-02007	

On July 19, 2018 I (Sydney Bruestle) performed an onsite inspection at United Adhesives located at 19100 Industrial Drive Vulcan, MI. I met with Bill Paupore, President of United Abrasives. Mr. Paupore gave me a tour of the facility and explained which permitted equipment is still in operation. United Abrasive holds 5 active air quality permits with the state of Michigan. Below is a description of the facility and an explanation of each permit.

**Facility Description:**

United Abrasive Inc. recycles abrasive materials from grinding wheels to be resold to wheel manufacturers. The plant currently operates 5 days a week from 5 am - 8 pm. Equipment found onsite includes a jaw crusher, roll crusher, vibro energy crusher, 5 magnetic separators, and a dryer.

**PTI 84-79**

This permit was issued in 1993, it covers a majority of the equipment at United Abrasive Inc., including a jaw crusher, a roll crusher, vibro energy crusher, magnetic separators, and a dryer. The wilfley table and the dewatering worm feeder are no longer used. At the time of my inspection the dryer and a few crushers were operating and there were no visible emissions present. It appears United Abrasive is in compliance with PTI 84-79.

**PTI 84-79A**

This permit was issued when a baghouse was installed to replace a wet scrubber. The opacity limit from the abrasive recycling plant was increased to 20%. There were no visible emissions at the time of my inspection, it appears the facility is in compliance with PTI 84-79A.

**PTI 84-79B**

This permit was issued for the installation of a bake furnace. The furnace was used to break down grinding wheels and was removed several years ago. Mr. Paupore is requesting to void PTI 84-79B.

**PTI 84-79C**

This permit was issued in 1993 for the installation of a B line dryer. During my inspection there were no emissions from this unit.

**PTI 71-01**

This permit was issued in 2001 for the installation of a new rotary dryer. Installation of the dryer was completed in 2001, however the dryer did not operate at a high enough capacity to be profitable. Currently, United Abrasive does not operate this dryer. They are working with UP engineers on ways to operate the dryer in the future. Mr. Paupore is aware they will need to modify PTI 71-01 if any changes are made to the equipment.

At the time of my inspection it appeared United Abrasive was in compliance with all active PTIs and all

other applicable state and federal air quality regulations.

NAME Sayed Ben

DATE 8/2/18

SUPERVISOR EJF