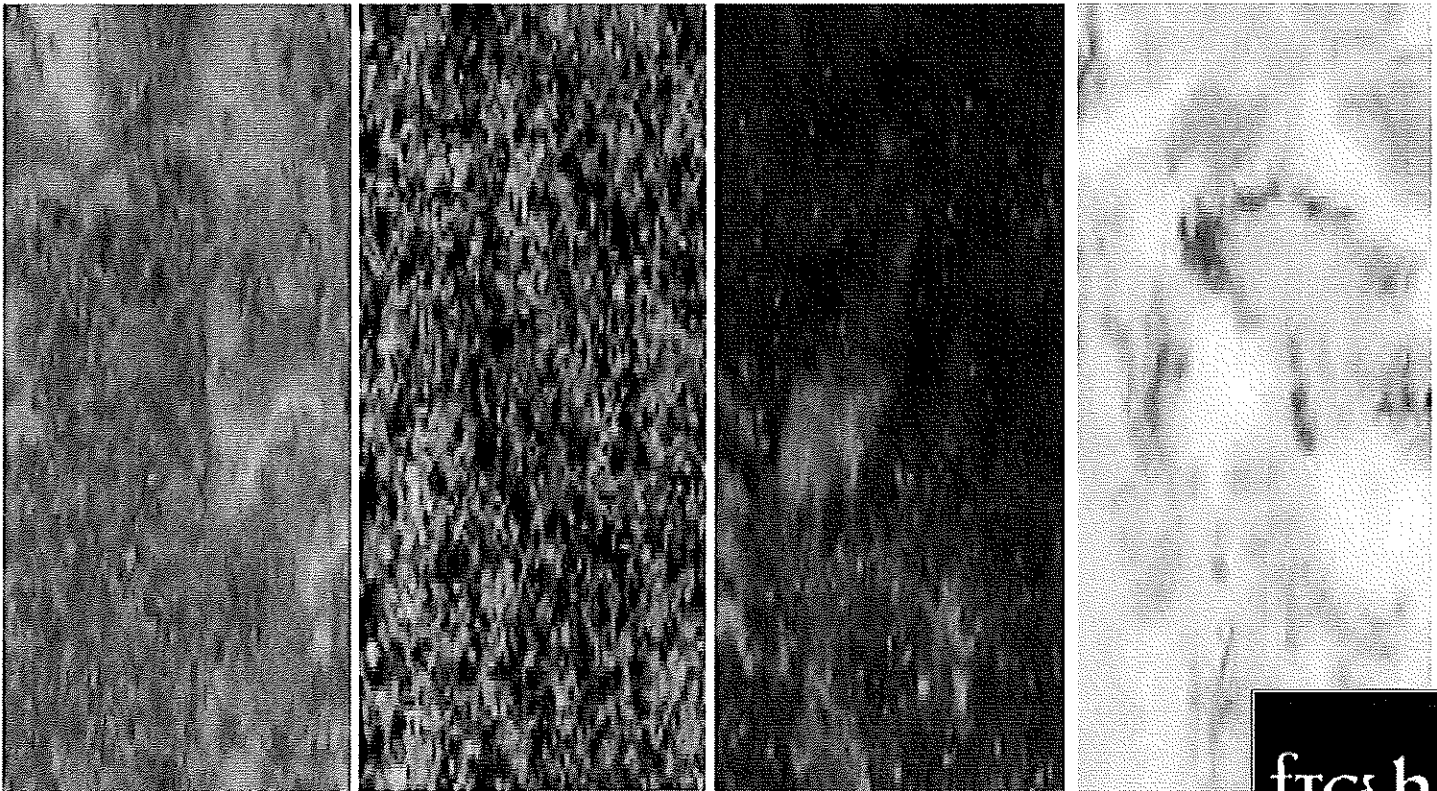


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Preventative Maintenance Plan for EUCASTING Tower Baghouse

USM Acquisition, LLC
emus, Michigan

Project No. 180304
July 19, 2018





Preventative Maintenance Plan for EUCASTING Tower Baghouse

**Prepared For:
USM Acquisition, LLC
Remus, Michigan**

**July 19, 2018
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List of Abbreviations/Acronyms

MDEQ	Michigan Department of Environmental Quality
FTCH	Fishbeck, Thompson, Carr & Huber, Inc.
USM	USM Acquisition, LLC



1.0 Introduction

This PMP, has been prepared to comply with the requirements of Michigan Rule 910. The purpose of this Plan is to define actions that will be taken by the USM Acquisition, LLC (USM) to ensure the air cleaning device is installed, maintained, and operated in a satisfactory manner.

Michigan Rule 910 requires the proper installation, maintenance, and operation of air pollution control systems. The Rule reads:

An air-cleaning device shall be installed, maintained, and operated in a satisfactory manner and in accordance with these rules and existing law.

2.0 Source Description

USM is a manufacturer of cultured marble and cultured onyx products, primarily kitchen and bathroom fixtures. They utilize polyester gelcoats, resins, and limestone to create vanity and counter tops in a variety of colors and styles. The facility also fabricates molds for use onsite. USM is located at 7389 Costabella Road, Remus, Michigan.

EUCASTING includes a Respecta® resin casting machine, for which particulate emissions are controlled by an externally vented baghouse (Tower Dust Collector).

3.0 Responsible Personnel

The personnel responsible for elements of this PMP and a description of their respective responsibilities are summarized in Table 1. Table 1 will be updated as needed; a copy of the updates will be maintained at the plant. Changes to applicable personnel will be submitted to the MDEQ upon request.

4.0 Equipment Inspections

As part of the normal operations at USM, equipment is monitored to ensure proper functioning of the process and control equipment. If plant personnel working in the area notice an equipment malfunction or variation in the normal operating variables, they are instructed to inform the Maintenance Manager or Area Supervisor. Fluctuation in the normal operating variables can signify equipment, systems, or control issues, which may lead to an environmental excursion.

The Tower Dust Collector is located under the awning and is east of the dust collector for the wide belt sander. This dust collector was installed more than 25 years ago and its collection hoppers are emptied as needed. This collector has 64 filters in two banks of 32 at the outlet. The filters are changed once a month. The collector also has 48 bags inside the baghouse, which are replaced as needed. The Tower Dust Collector is inspected throughout the week to ensure proper operation.

5.0 Preventative Maintenance Records

The following maintenance records will be maintained for no less than five years:

- Inspections of the dust collectors.
- All significant unscheduled maintenance activities performed on the dust collectors.
- Periodic routine maintenance of the dust collectors.

Records will include the date, findings, and corrective actions taken and/or repairs made, if necessary.

Tables

Table 1 – Responsible Personnel

Preventative Maintenance Plan

USM Acquisition LLC

Remus, Michigan

PLANT CONTACTS:

Position	Responsibility	Name
Vice President	Overall responsible for ensuring environmental rules and regulations are adhered to at the plant.	Monica Roethlisberger
General Manager	Responsible for preventative maintenance and overseeing the corrections of malfunctions.	Pat Sak
Maintenance Personnel	Ensure proper operation and change filters as needed	--

Contact key personnel if an air exceedance is detected, or if any other type of air episode occurs.

Table 2 – Inspection Checklist
 Preventative Maintenance Plan
 USM Acquisition LLC, Remus, Michigan

Task Description	Circle Yes/No	Date Completed	Personnel Initials	Comments
Month:		Week Ending Saturday Date :		
Inspect Filters				
Good working condition?	Yes No			
Filters Replaced	Yes No No. Replaced _____			
Inspect bags				
Good working condition?	Yes No			
Bags Replaced	Yes No No. Replaced _____			
Belts for blowers and motors				
Good working condition?	Yes No			
Any Other Maintenance Activities Performed				
Describe, and keep other applicable records as needed (ie outside contractor, parts, etc)				
Month:		Week Ending Saturday Date :		
Inspect Filters				
Good working condition?	Yes No			
Filters Replaced	Yes No No. Replaced _____			
Inspect bags				
Good working condition?	Yes No			
Bags Replaced	Yes No No. Replaced _____			
Belts for blowers and motors				
Good working condition?	Yes No			
Any Other Maintenance Activities Performed				
Describe, and keep other applicable records as needed (ie outside contractor, parts, etc)				
Month:		Week Ending Saturday Date :		
Inspect Filters				
Good working condition?	Yes No			
Filters Replaced	Yes No No. Replaced _____			
Inspect bags				
Good working condition?	Yes No			
Bags Replaced	Yes No No. Replaced _____			
Belts for blowers and motors				
Good working condition?	Yes No			
Any Other Maintenance Activities Performed				
Describe, and keep other applicable records as needed (ie outside contractor, parts, etc)				
Month:		Week Ending Saturday Date :		
Inspect Filters				
Good working condition?	Yes No			
Filters Replaced	Yes No No. Replaced _____			
Inspect bags				
Good working condition?	Yes No			
Bags Replaced	Yes No No. Replaced _____			
Belts for blowers and motors				
Good working condition?	Yes No			
Any Other Maintenance Activities Performed				
Describe, and keep other applicable records as needed (ie outside contractor, parts, etc)				

