



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, ILLINOIS 60604**

NOV 08 2019

DATE:

SUBJECT: CLEAN AIR ACT INSPECTION REPORT
Viobin, Monticello, Illinois

FROM: Dakota Prentice, Environmental Engineer
AECAB (IL/IN)

THRU: Nathan Frank, Section Chief
AECAB (IL/IN)

TO: File

BASIC INFORMATION

Facility Name: Viobin

Facility Location: 226 West Livingston Street, Monticello, Illinois

Date of Inspection: 10/28/19

EPA Inspector(s):

1. Dakota Prentice, Environmental Engineer

Other Attendees

1. Rich Baillie, Plant Manager - Viobin
2. Eric Eichmeier, Quality Manager - Viobin
3. Jamie Hambrecht, Oil Operations Manager - Viobin

Contact Email Address: rich.baillie@phmbrands.com

Purpose of Inspection: To determine compliance with State and Federal regulations.

Facility Type: Wheat Germ Oil Manufacturing

Arrival Time: 1:10PM

Departure Time: 3:00PM

Inspection Type:

- ☒ Unannounced Inspection
- ☐ Announced Inspection

OPENING CONFERENCE

- ☒ Credentials Presented
- ☒ CBI warning to facility provided

The following information was obtained verbally from Viobin representatives unless otherwise noted.

Company Ownership: Panhandle Milling purchased the facility in April 2018. The facility was previously owned by McShares, Inc.

Process Description:

Viobin produces wheat germ oil and defatted wheat germ products. Production starts with the delivery of wheat germ from flour mills. The wheat germ is blended and then sent to one of two extractors. The facility refers to the two extractors as the "batch extractor" and the "crown extractor". The facility does not operate both extractors simultaneously. The batch extractor has two tanks that are filled with wheat germ and then hexane is pumped through the tanks. The hexane extracts the oil from the wheat germ. The two tanks are operated as two separate batch units. At the crown extractor the wheat germ is passed through a pool of hexane that extracts the oil. The hexane that has come into contact with the wheat germ now includes the wheat germ oil and is referred to as miscella. The miscella is sent to a still to separate the oil and the hexane using heat. The oil is then sent to storage tanks. The wheat germ flour that has come into contact with hexane is referred to as defatted germ. The defatted germ leaves the extractor and moves to a toaster unit that removes excess hexane. The defatted germ then moves to a cooler to reduce the temperature of the material prior to handling.

Staff Interview: The facility controls hexane emissions with condensers, mineral oil scrubbers, and a carbon absorber bed system. The facility's products have applications in the human food, animal feed, and pharmaceutical industries.

TOUR INFORMATION

EPA toured the facility: Yes

Data Collected and Observations:

The facility was not in operation on the day of the inspection; however, EPA walked through the facility from flour mixing through extraction and final storage of oil.

Photos and/or Videos: were taken during the inspection.
See Appendix A

Field Measurements: were not taken during this inspection.

CLOSING CONFERENCE

Requested documents:

- Capacity of hexane storage tanks
- Annual hexane usage
- Basis of annual hexane emissions
- Most recent performance test as each emission unit
- Information of whether the facility has a leak detection and repair program
- Information on how the carbon beds operate
- Units routed to stacks located at exterior of extraction building

SIGNATURES

Report Author: _____

Date: 11/1/19

Section Chief: _____

Date: 11/8/19

Facility Name: Viobin

Facility Location: 226 West Livingston Street, Monticello, Illinois

Date of Inspection: 10/28/19

APPENDICES AND ATTACHMENTS

Appendix A - Digital Image Log

Facility Name: Viobin

Facility Location: 226 West Livingston Street, Monticello, Illinois

Date of Inspection: 10/28/19

APPENDIX A: DIGITAL IMAGE LOG

1. Inspector Name: D. Prentice	2. Date(s) of Inspection: 10/28/19
3. Company/Facility Name: Viobin	4. Street Address, City, State: 226 West Livingston Street, Monticello, Illinois
5. Number of Images: 2	6. Archival Record Location: CD-R labelled "Viobin Photo Log"

Image Number	File Name	Date and Time (incl. time zone and DST)	Description of Image
1	PA280001.JPG	2019:10:28 14:13:32	Continuous Blending
2	PA280002.JPG	2019:10:28 14:42:13	Defatted Wheat Germ Pack Out