

AIR PERMIT AND ENFORCEMENT SUMMARY

CRIMSON HOLDINGS, LLC – ADRIAN, LENAWEE COUNTY, MICHIGAN

The Michigan Department of Environment, Great Lakes, and Energy, Air Quality Division (AQD), is asking for comments from the public on two actions related to Crimson Holdings, LLC (Crimson Holdings), a proposed Permit to Install (PTI) and proposed enforcement action. The AQD will accept comments on these proposed actions until the close of the comment period on January 8, 2024. We will review all comments before we make a final decision on the proposals. Comments may be submitted in writing, via voicemail, or at the virtual public hearing on December 6, 2023.

WHAT DOES CRIMSON HOLDINGS CURRENTLY DO?

Crimson Holdings makes powdered eggs using an existing spray dryer. The dryer was previously used to make powdered milk.

WHAT IS CRIMSON HOLDINGS PROPOSING TO DO?

Crimson Holdings is proposing to install a packed bed scrubber to control odors from the spray dryer and develop a Nuisance Minimization Plan for Odors (NMPO).

WHAT IS A PTI AND WHY IS ONE NEEDED?

A PTI, commonly known as an air use permit, is required for projects that involve installing, constructing, reconstructing, relocating, or modifying most processes or process equipment that emit, or may emit, air contaminants.

The AQD has reviewed the PTI application submitted by Crimson Holdings and written proposed permit conditions that include requirements to make sure the installation of the packed bed scrubber complies with all applicable air rules and regulations.

WHY DOES THE COMPANY NEED A CONSENT ORDER?

A Consent Order is a legal document that a company agrees to sign to resolve alleged air quality violations. This document contains a compliance plan the company will follow to resolve the alleged violations and prevent future violations, and a fine. The AQD can enforce the Consent Order.

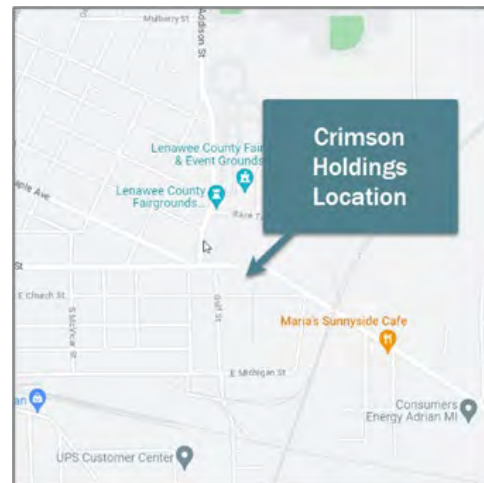


Figure 1: Location of Crimson Holdings

From April 2023 to September 2023, the AQD issued several Violation Notices alleging that Crimson Holdings violated state rules and regulations, including:

- Operating equipment without the proper permit and in violation of the conditions of their current permit.
- Releasing odors that caused unreasonable interference with the comfortable enjoyment of life and property.

The AQD is taking an enforcement action to resolve these violations. To settle the action, the AQD and Crimson Holdings agreed to enter into this proposed Consent Order.

WHAT DOES THE PROPOSED CONSENT ORDER REQUIRE THE COMPANY TO DO?

The proposed Consent Order requires Crimson Holdings to install the packed bed scrubber to control emissions and reduce odors by December 22, 2023, to comply with the NMPD, and to pay a fine of \$106,180.00. Additionally, the proposed Consent Order includes specific fines the company must pay if they fail to meet the requirements detailed in the Consent Order.

HOW WAS THE MONETARY FINE DETERMINED?

An initial monetary fine was calculated using the United States Environmental Protection Agency (USEPA) Clean Air Act Stationary Source Civil Penalty Policy and the penalty provisions under Air Pollution Control, Part 55 of the Natural Resources and Environmental Protection Act. Together, these penalty provisions take into account several factors, including actual or possible harm caused by the violation(s), the length of time of the violation(s), importance to the regulatory scheme, and the size of the violator. The monetary fine amount was then negotiated and agreed to by Crimson Holdings and the AQD.

WHY IS CRIMSON HOLDINGS GOING OUT TO PUBLIC COMMENT?

Crimson Holdings' powdered egg manufacturing process has generated numerous odor complaints from residents around the facility. As a result, the AQD considers Crimson Holdings to be a source of public interest, so the proposed permit requires public comment. Crimson Holdings also has violations they must resolve through a formal process, which requires the opportunity for the public to engage in the process and provide feedback, if desired.

WHAT IS THE CURRENT AIR QUALITY IN THE AREA?

USEPA has developed health-protective standards for specific air pollutants. These standards are called the National Ambient Air Quality Standards (NAAQS).

There are NAAQS for some pollutants, including sulfur dioxide (SO₂), nitrogen dioxide (NO₂), carbon monoxide (CO), particulate matter equal to or less than 10 microns in diameter (PM₁₀), particulate matter equal to or less than 2.5 microns in diameter (PM_{2.5}), ozone and lead.

Poor air quality from high levels of pollution can cause health problems. The NAAQS are developed from research studies and set at levels to protect public health. This includes health protection for sensitive groups, like those with heart and lung problems.

The facility is located in Lenawee County, Michigan which is currently meeting all of the NAAQS. The AQD operates an air monitoring station in Lenawee County. The Lenawee County station measures Ozone and PM_{2.5}. Please note, the purpose of the air monitoring stations is to assess the regional or area-wide air quality and is not used to determine if a specific source is in compliance with their air permit.

WHAT DO I REALLY NEED TO KNOW ABOUT THE PROPOSED PERMIT?

The proposed permit has specific requirements Crimson Holdings would have to follow if the permit is approved. Key areas you may be interested in, or that you may want more details on, include:

- **Emission limits** – amount of specific air pollutants that Crimson Holdings would be allowed to emit.
- **Process restrictions** – a nuisance minimization plan for odors must be developed, implemented, and maintained.
- **Operational restrictions** – may not operate the spray dryer unless the dust collector and packed bed scrubber are installed.
- **Design and equipment parameters** – must operate the dust collector and packed bed scrubber properly.

- **Monitoring and Recordkeeping** – must monitor and record dust collector and packed bed scrubber operating parameters as well as keep records of odor neutralizer usage.

WILL AIR QUALITY STANDARDS BE MET?

A computer model was used to look at the expected impacts of the emissions from Crimson Holding’s spray dryer. This type of computer model is called an air dispersion model and considers many factors, such as amount and type of emissions, prevailing wind direction and other factors.

The model showed that the expected impacts of the emissions are less than the applicable Significant Impact Levels (SILs) for PM10 and PM2.5. When pollutant impacts are below the SILs, the emissions are expected to comply with the NAAQS.

Michigan has developed health-based screening levels for additional pollutants referred to as toxic air containments (TACs) under its Air Toxics rules. The proposed TAC emissions from the project would also comply with the AQD’s health-based screening levels.

WAS ANY TRANSLATION INTO OTHER LANGUAGES DONE?

An evaluation of the number of people who speak English “less than very well” within a 1-mile radius of the company was done. This is required by EGLE’s [Limited English Proficiency Plan](#) using an environmental justice screening tool like USEPA’s [EJSCREEN](#). The evaluation found that translation into Spanish may be helpful. Additionally, community members stated having some documents translated into Spanish as well as having Spanish language interpretation at the public meeting would be helpful. The following documents were translated into Spanish:

- [the Notice of Hearing](#)
- [the Air Permit and Enforcement Summary](#)
- [and Interested Party Letter](#)

If translation into other languages is needed or if there are other accessibility concerns with this

public comment period, please send requests to EGLE-Accessibility@Michigan.gov.

WHERE CAN I FIND MORE INFORMATION?

Other information, like the [Technical Fact Sheet](#), the [proposed permit conditions](#), the [Enforcement Summary Report](#) and the [proposed Consent Order](#) can be found at Michigan.gov/EGLEAirPublicNotice, or with other updates about the company at Michigan.gov/EGLECrimsonHoldings.

The Technical Fact Sheet has additional details about the project and how it will meet the rules and regulations, such as:

- A summary of the reviews completed by AQD staff.
- How the project will affect air quality and public health.
- A summary of what the proposed permit would require Crimson Holdings to do.
- A summary of the allowed emissions that are included in the proposed permit.
- The rules and regulations that apply to the proposed project.

AQD staff can provide additional information upon request.

SUMMARY:

The AQD has reviewed the PTI application submitted by Crimson Holdings and prepared a proposed permit. If the proposed permit is approved, it will ensure the facility meets the applicable air quality requirements. Therefore, we recommend approving the proposed permit.

The proposed Consent Order contains an adequate compliance program and specific monetary penalties. We are recommending this proposed Consent Order be signed to legally bind Crimson Holdings to the requirements in the agreement.

However, before the AQD acts on the proposed permit and proposed Consent Order, we are requesting comments from the public. The AQD will review all comments received during the public

comment period and public hearing, then decide whether to approve, approve with modifications or deny the proposed permit and whether to enter into the proposed Consent Order as written or renegotiate the terms.

WHO CAN I CONTACT?

For more information about the proposed permit, please contact Andrew Drury, AQD, at: DruryA@Michigan.gov or 517-648-6663.

For more information about the proposed Consent Order, please contact Malcolm Mead-O’Brien, AQD, at: MeadM1@Michigan.gov or 517-281-0376.

WHAT PUBLIC COMMENTS CAN EGLE CONSIDER?

Comments from the public are very important. But it is also important to know the law is clear about what we can and cannot consider when we make our decision. Some examples are below.

What we can consider	What we can't consider
<ul style="list-style-type: none"> ✓ Technical mistakes in the review ✓ Grammar and spelling mistakes ✓ Other rules the action should consider and why ✓ Why the action will not follow the rules 	<ul style="list-style-type: none"> • Air, land, or water issues not part of the project • Indoor air pollution • Traffic • Noise and lights • Zoning issues • Anything unrelated to the project

HOW CAN I MAKE A COMMENT?

The AQD welcomes comments from the public during the comment period. Prior to making a comment, it is a good idea to “[View an Example](#)” of how to do it. You may also want to read the “[Public Hearings - What you should know](#)” card.

Documents pertaining to Crimson Holdings can be found at: Michigan.gov/EGLEAirPublicNotice.

Comments must be received by January 8, 2024



Via email

EGLE-AQD-PTIPublicComments@Michigan.gov



Via US mail

Permit Section Manager, EGLE, AQD, P.O. Box 30260, Lansing, MI 48909-7760



Via voicemail

by calling 517-284-0900



At the Virtual Public Hearing.

on **December 6, 2023** starting at 6:30 pm.

Join at <https://bit.ly/3QGtNi0> or call

636-651-3142 and use conference code 374288

EGLE promotes the equitable treatment and meaningful involvement of Michigan’s residents regarding the development, implementation, and enforcement of laws, regulations, and policies. Equitable treatment means that no group of people bears a disproportionate share of the negative consequences resulting from governmental, industrial, or commercial operations and policies. Meaningful involvement means all people have an opportunity to participate in decisions that affect their environment and/or health.

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More information can be found at Michigan.gov/EGLECrimsonHoldings