

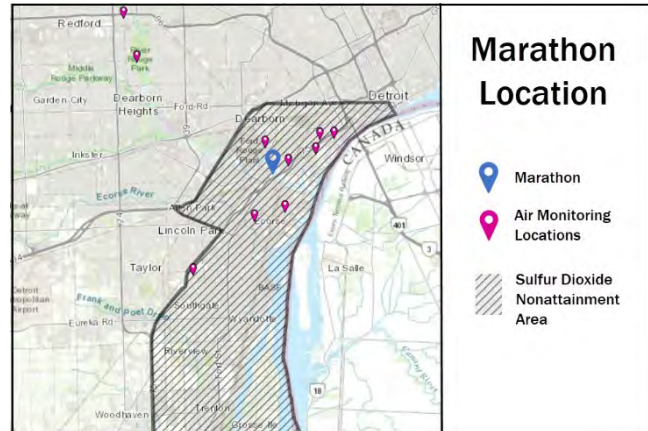
Permit to Install Application

MARATHON PETROLEUM COMPANY LP – DETROIT, WAYNE COUNTY, MICHIGAN

WHAT IS MARATHON REQUESTING?

The Michigan Department of Environment, Great Lakes, and Energy (EGLE), Air Quality Division (AQD), received an application for a Permit to Install (PTI) from Marathon Petroleum Company LP (Marathon) on May 31, 2023. In the application, Marathon is requesting three types of changes to the existing permit, including changes to the amount of materials allowed, equipment upgrades and removals, and some pollutant decreases.

An information session and public hearing will be held during a comment period for these proposed changes. We will share information about the informational session and hearing when the proposed permit conditions are ready for review and comment.



REQUEST DETAILS

1. Request to remove the crude oil throughput limit and the throughput limits on the naphtha storage tanks (Flexible Group FGNAPHTHATANKS-S1) so the refinery can operate at its capacity. This request does not require physical changes to the refinery.
2. Marathon is also proposing improvements to other equipment. These changes are considered voluntary and are being done to make up for potential increases in emissions due to removal of the throughput limits. Putting these in the permit makes them legally enforceable. The equipment change requests include:
 - Replacing the Naphtha Hydrotreater Unit heaters (Emission Units include EU16-NHTSTRIPREBOIL-S1 and EU16-NHTCHARHTR-S1) with new heaters equipped with ultra-low oxides of nitrogen (NO_x) burners,
 - Removing the crude flare from service,
 - Installing a dome over a gasoline storage tank, and
 - Expanding the leak detection and repair program to cover more of the refinery.
3. Marathon is also proposing criteria pollutant emission limits that are lower than their current permit limits. These pollutants include NO_x, sulfur dioxide (SO₂), carbon monoxide (CO), particulate matter (PM), PM less than 10 microns in diameter (PM₁₀), PM less than 2.5 microns in diameter (PM_{2.5}), volatile organic compounds (VOC), Sulfuric Acid Mist, hydrogen sulfide (H₂S), and total reduced sulfur.

The [air permit application](#) Marathon submitted in May 2023 is available to view. If more information is received related to the application, it will be added to the website.

WHAT IS MARATHON’S COMPLIANCE STATUS?

Marathon has three facilities in Detroit. This permit application is for the refinery located at 1001 South Oakwood. EGLE’s [Marathon webpage](#) has information including air quality inspections, existing air permits, violation notices, as well as details related to prior enforcement actions and ongoing community projects.

WHAT IS THE AIR QUALITY IN THE AREA?

The United States Environmental Protection Agency has developed health-based standards for specific air pollutants. These standards are called the National Ambient Air Quality Standards (NAAQS). This facility is in an area which is currently meeting all the NAAQS except for sulfur dioxide (SO₂).

WHAT WILL AQD DO WITH THE PERMIT APPLICATION?

The permit application is currently undergoing technical review, including:

- A review of the air quality rules and regulations related to the changes, considering:
 - Changes in emissions
 - How emission changes may affect public health and the environment, and
 - How Marathon will prove they are complying with all applicable requirements.
- An air modeling demonstration for emissions of Carbon Monoxide, NO_x, SO₂, Particulate Matter less than 10 microns in diameter, and Particulate Matter less than 2.5 microns in diameter was performed by Marathon and will be reviewed by AQD modeling staff. An air model is a computer simulation which shows where pollutant impacts may occur to ensure air quality standards would be met.
- A review of health-based levels for additional pollutants referred to as toxic air containments (TACs) under AQD’s Air Toxics rules.
- A thorough review of proposed conditions by the air inspector.

HOW CAN THE PUBLIC GET INVOLVED WITH THIS APPLICATION?

After the application has been reviewed and if the request can comply with ALL rules and regulations associated with the request, a draft permit will be written and shared. Part of sharing the permit is holding a public comment period and an information session and public hearing. The public comment period will be at least 30-days long and will be announced in a local newspaper, the [EGLE Calendar](#), on the [Air Quality Public Notice page](#) and through our [email subscriber list](#).

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

Comments are an important part of the public participation process and can have positive impacts on the final decision. During the public comment period, the public will be able to comment on any part of the proposed permit. All comments are accepted and encouraged. We welcome comments in support or opposition to any proposed permit, but these comments cannot be considered in the final decision.

HOW CAN I STAY INFORMED?

When the public comment period for the proposed permit is opened, we share information on the [Air Quality Public Notice page](#). This page is designed to help the public take part in the public



comment period effectively. We will provide a summary of the proposed permit and other air quality information, as well as technical details about the review of the application and the development of the proposed permit. If you are not already signed up to get notifications, you can [sign up for email updates](#) to get information on air quality and any other topics of interest.

The information will include, at a minimum:

- Proposed Project Summary – Plain language summary of project (translated)
- GovDelivery and email announcement - (translated)
- Notice of Hearing – Information about comment period dates and meetings
- Technical Fact Sheet – Summary of technical review completed.
- Proposed Permit Conditions – Draft permit conditions to review and consider.
- Letter to the Company – Announcing public comment period for the proposed permit.
- Letter to Interested Parties – Providing information about the comment period and how to participate in the process.

We use EGLE’s [Limited English Proficiency Plan](#) and the United States Environmental Protection Agency’s [EJSCREEN](#) as tools to determine if translation of some documents would be helpful, as well as if there are any specific community challenges where other types of communication may be helpful. Translation into Spanish and Arabic is planned for some documents. Any additional accessibility requests can be sent to EGLE-Accessibility@Michigan.gov.

WHO TO CONTACT?

If you would like more information regarding the application and the review, please contact the permit engineer, Mr. Andrew Drury, at DruryA@Michigan.gov or 517-648-6663.

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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