



MICHIGAN DEPARTMENT OF  
ENVIRONMENT, GREAT LAKES, AND ENERGY

# Saving Time on Air Permitting

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Nick Carlson, AQD

Senior Environmental Engineer

[CarlsonN1@Michigan.gov](mailto:CarlsonN1@Michigan.gov)

517-582-5160

Rachel Fuller, AQD

Environmental Engineer

[FullerR4@Michigan.gov](mailto:FullerR4@Michigan.gov)

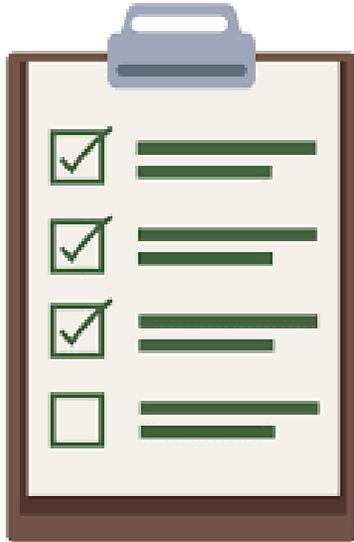
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# Outline



- Goals
- Pre-Application and NSPS Reminders
- General Permit Requirements
- Site Specific Permit to Install Requirements
- Where to find further guidance
- Questions

## Goals



- Make it easier for you to apply for an air permit
- Identify which MiEnviro forms you need for applications
- Minimize processing times of your applications
- Provide additional resources and guides for your leisure

## Pre-Application Reminders

- New Air Site Request Form
- Certifier Status
  - Mailing in your Certifier Agreement Form
- Preexisting Stationary Source and land leasing

Certifier Agreement Administrator  
Information Management Division, EGLE  
P.O. Box 30457  
Lansing, MI 48909-7957

## New Source Performance Standards (NSPS) OOO Reminders



- Equipment above 150 tons per hour (TPH) is subject to NSPS OOO for nonmetallic mineral processing plants
- EPA Method 9 Testing required by a certified reader for NSPS compliance

# NSPS 000 Continued

Wondering where the limits in your permit come from? NSPS 000 Table 3!

<b>Equipment Manufactured After</b>	<b>Opacity Limits for grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations, and any other points in the process</b>	<b>Opacity Limits for Crushers</b>
August 31, 1983, but before April 22, 2008	10%	15%
April 22, 2008	7%	12%

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Ok, so I have my site set up and I'm certified, do I need a General PTI (Permit to Install) or a Site Specific Permit to Install?

# Great Question, do you meet these?

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- Setback distance (> 500 ft)
- Material limit (< 2 million tpy)
- No violation notices or outstanding consent judgements
- Use of water sprays is mandatory
- No crushing slag or asbestos containing material

# Submission Package for General Permit

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## Application Equipment Inventory Form **! REQUIRED**

Site Name: Crushing Plant Test Site #01 (x789456)

Form Description: Equipment Inventory Review

Program Area: Cross-Program

[Begin](#)

## Air General PTI (Permit to Install) New Nonmetallic Mineral Crushing Plant Form **! REQUIRED**

Site Name: Crushing Plant Test Site #01 (x789456)

Form Description: General air permit to install application for nonmetallic mineral crushing plants.

Program Area: AQD - Air

*This form can only be submitted by an approved certifier for the site under which it is submitted.*

[Begin](#)

# Application Equipment Inventory Form

**Application Equipment Inventory Form (3BGH-TNGS-G5QJ)**

**Under Review (Audit)** 

## Facility Inventory

 Facility	 Release Points	 Control Devices	 Control Paths	 Emission Units	 Unit Processes	 Flexible Groups
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## Associated Information

 Attachments
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# Application Equipment Inventory Form

## Application Equipment Inventory Form (W4R4-TKJ3-23PT)

In Process (Ready for Submission) 

### Emission Units

Records 1 through 1 of 1. Showing 1. Filter:

Identifier	Description	Type	Status	Actions
EU0001 EUCRUSHINGPLANT	Crushing Plant	Crusher-Non-Metallic Minerals	Pre Operating	 

### Emission Units

#### Emission Unit NAICS:

#### Electric Generation:

#### Combustion Source:

#### Install Date:

#### Dismantle Date:

#### Removed Date:

# Application Equipment Inventory Form

## Application Equipment Inventory Form (W4R4-TKJ3-23PT)

In Process (Ready for Submission) 

### Unit Processes

Records 1 through 1 of 1. Showing 1.

Filter:

 Emission Unit Identifier:

 Process Identifier:

 SCC:

 Status:

Actions

EU0001 (EUCRUSHINGPLANT)  
Crushing Plant

PR0001  
Crushing Plant

30502501

Pre Operating



## Application Equipment Inventory Form (W4R4-TKJ3-23PT)

In Process (Ready for Submission) 

### Unit Processes

Unit Process

Release Point Apportionment

Additional Information

 Process Identifier:

PR0001

 Emission Unit Identifier:

EU0001 (EUCRUSHINGPLANT) - Crushing Plant

 SCC:

Code: (Required)

30502501

~ or ~

Industrial Processes

Mineral Products

Construction Sand and Gravel

Total Plant: General

 Description: (Required)

Crushing Plant

 Status: (Required)

PRE - Pre Operating

Note: changing the status will clear status year below if populated

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What if a new site I want to relocate to doesn't meet the 500 ft setback distance? Or I don't meet the requirements to get a general permit?

# Site Specific Permit to Install Forms in MiEnviro

## Air Permit to Install - New ! REQUIRED

Site Name: Crushing Plant Test Site #01 (x789456)

Form Description: Primary application form for a new permit to install for either the addition of new equipment or modification of existing equipment.

Program Area: AQD - Air

*This form can only be submitted by an approved certifier for the site under which it is submitted.*

Begin

## Application Equipment Inventory Form ! REQUIRED

Site Name: Crushing Plant Test Site #01 (x789456)

Form Description: Equipment Inventory Review

Program Area: Cross-Program

Begin

## Air Permit to Install (PTI) Crushing Plant AS NEEDED (ONE TIME)

Site Name: Crushing Plant Test Site #01 (x789456)

Form Description: Site-specific air permit to install application for nonmetallic mineral crushing plants.

Program Area: AQD - Air

Begin

# Site Specific Crushing Plant Form Requirements

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- Equipment List
- Manufacture Year
- Serial Numbers
- NSPS OOO testing
- Do not include excavators or generators

# Air Permit to Install - New Form

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- Brief Description Section under Application Information

Please provide a brief description of the project or purpose of the permit application. Do not simply say 'See Attached' or similar.

A portable crushing plant intending to crush 500,000 tons per year at this site.

# Regulatory Discussion

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- Rules 301 and 331
- Federal Requirements – NSPS OOO (if subject)

## Which of the following Michigan Air Pollution Control Rules apply?

- |  |  |
|--|--|
| <input type="checkbox"/> Rule 205            | <input type="checkbox"/> Rule 224            |
| <input type="checkbox"/> Rule 225            | <input checked="" type="checkbox"/> Rule 301 |
| <input checked="" type="checkbox"/> Rule 331 | <input type="checkbox"/> Rule 702            |
| <input type="checkbox"/> Not Applicable      | <input type="checkbox"/> Other               |

## Which federal regulatory programs apply for this application?

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> 40 CFR Part 60 New Source Performance Standards (NSPS) | <input type="checkbox"/> 40 CFR Part 61 National Emission Standards for Hazardous Air Pollutants (NESHAP) |
| <input type="checkbox"/> 40 CFR Part 63 NESHAP   | <input type="checkbox"/> Not Applicable   |

## Applicable 40 CFR Part 60 Subparts

40 CFR 60 Subpart 000 Nonmetallic Mineral Processing Plants

# Emissions Calculations

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- Haven't seen this before when you've done a site specific previously? Don't worry!
- Enter 0 tons per year in the PTE table

POLLUTANT	PTE (TPY)
Carbon Monoxide (CO)	<input type="text" value="0"/>
Oxides of Nitrogen (NOx)	<input type="text" value="0"/>
Sulfur Dioxide (SO2)	<input type="text" value="0"/>
Particulate Matter (PM)	<input type="text" value="0"/>
PM less than or equal to 10 microns in diameter (PM10)	<input type="text" value="0"/>
PM less than or equal to 2.5 microns in diameter (PM2.5)	<input type="text" value="0"/>
Volatile Organic Compounds (VOCs)	<input type="text" value="0"/>

# Emission Calculation Required Attachment

- If you want the AQD to perform calculations please request in the emissions description section

How were emissions calculated? ?

<input type="checkbox"/> AP-42	<input type="checkbox"/> Webfire
<input type="checkbox"/> NSPS	<input type="checkbox"/> Manufacturer's Guarantee
<input type="checkbox"/> Stack Testing	<input type="checkbox"/> Mass Balance
<input checked="" type="checkbox"/> Other	

Please Describe

Requesting AQD to perform calculations

**\* Emission Calculation Data Files**

*Please attach all data files associated with emission calculations here. As part of the Project Description, be sure to explain clearly and in appropriate detail the nature, quantity (both controlled and uncontrolled), concentration, particle size, pressure, temperature, etc. of all air contaminants, including all toxic air contaminants, that are reasonably anticipated to be discharged to the atmosphere due to the operation of the source. Summarize these emissions calculations in tabular form for all equipment covered by the application and for each stack/vent.*

*Please be aware that files exceeding 500 MB in size are not allowed*

Drop files here to upload



OR

Comment

# Required Attachments

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- AQD performing calculations and required attachment
- Site Map



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I have figured out what permit I need and I have my application submitted, where's my permit?

# Potential Application Setbacks

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- Correction Requests
- Public Comment Process
  - 240 days to review
  - Public comment period
  - Potential public hearing
  - Decision Maker

# Application Review to Permit Issuance

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- 180 days to review site specific PTI, technical review
- 30 days to review general permit, streamlined review
- Site specific conditions have to be reviewed internally by AQD staff before providing to facility for review
- After accepting conditions further internal finalizations are completed before permit issuance

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Ok so I have received notification that my permit has been issued, I'm ready to crush right?

# Post Permit Issuance Relocations

- Please refer to the step by step guidance for relocation notices
- If you are having trouble please reach out to your district inspector or permit section

Crushing Plant Test Site #01 (x789456)

Home  
Dashboard  
Site Details  
Start a New Form  
Submissions  
Permits  
Evaluations  
Documents  
Equipment and Emissions Inventories  
Authorized Users

Priority 15 Upcoming 0 As Needed 7 Draft 15 To Be Signed 0 In Process 0

Schedule on Permit GenPTI000020 v1.0 · Air Quality Test Report Submittal  
Crushing Plant Test Site #01 (x789456) AS NEEDED Begin

Schedule on Permit GenPTI000020 v1.0 · Air Construction Deadline Extension Request  
Crushing Plant Test Site #01 (x789456) AS NEEDED Begin

Schedule on Permit GenPTI000020 v1.0 · Air Quality Test Plan Submittal  
Crushing Plant Test Site #01 (x789456) AS NEEDED Begin

Schedule on Permit GenPTI000020 v1.0 · Notification of Installation/Operation  
Crushing Plant Test Site #01 (x789456) AS NEEDED Begin

Schedule on Permit GenPTI000020 v1.0 · Air PTI Relocation Notice - Nonmetallic Mineral Crushing Plants  
Crushing Plant Test Site #01 (x789456) AS NEEDED Begin

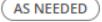
# Post Permit Issuance Notifications

- Once the permit is issued, you will need to notify the AQD of the installation and beginning of operation of the crushing plant

**Crushing Plant Test Site #01 (x789456)**

Home   
Dashboard   
Site Details  
Start a New Form  
Submissions  
Permits  
Evaluations  
Documents  
Equipment and Emissions Inventories   
Authorized Users

Priority **15** Upcoming **0** **As Needed 7**  Draft **15** To Be Signed **0** In Process **0**

- Schedule on Permit GenPTI000020 v1.0 · Air Quality Test Report Submittal  
Crushing Plant Test Site #01 (x789456)  
- Schedule on Permit GenPTI000020 v1.0 · Air Construction Deadline Extension Request  
Crushing Plant Test Site #01 (x789456)  
- Schedule on Permit GenPTI000020 v1.0 · Air Quality Test Plan Submittal  
Crushing Plant Test Site #01 (x789456)  
- Schedule on Permit GenPTI000020 v1.0 · Notification of Installation/Operation  
Crushing Plant Test Site #01 (x789456)   
- Schedule on Permit GenPTI000020 v1.0 · Air PTI Relocation Notice - Nonmetallic Mineral Crushing Plants  
Crushing Plant Test Site #01 (x789456)  

# Frequently Missed Items

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- Include which piece of equipment has a belt scale (or how you plan to measure throughput)
- Operating schedule and termination dates
- Include full equipment list in the Crushing Plant Form, NOT the Application Equipment Inventory Form
- Accepting draft conditions via email

# Most Frequently Missed Item

- Form Submission vs. Package Submission

The screenshot displays the EGLE web portal interface for a user named 'Sample Corp #04 (X0004)'. On the left sidebar, the 'Submissions' menu item is highlighted with a red box. The main content area shows the title 'Air Permit to Install (PTI) Submission Package - New Permit' and a 'Draft' status. A red arrow points to the 'Submit Package' button, which is also highlighted with a red box. Below this, a table lists two submission items, both marked as 'REQUIRED' and 'Staged'.

Submission Title	Status
Air Permit to Install - New	Staged
Application Equipment Inventory Form	Staged

# Guidance and Resources

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- [Background Information, Conditions, Application Forms, and District Office Map](#)
- [Instructions for Relocating Non-Metallic Mineral Crushing Facilities](#)
- [Emissions Inactive Portable Mineral Crusher](#)
- [Site-Specific PTI Crusher Guidance](#)
- [District Office Contact Information](#)
- Crusher Permitting FAQ *coming soon!*



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## Additional questions after the presentation?

### **Crusher Specific:**

Permit Section

District Inspectors

### **MiEnviro Specific:**

[EGLE-Air-MiEnviro@Michigan.gov](mailto:EGLE-Air-MiEnviro@Michigan.gov)

800-662-9278 | [Michigan.gov/EGLE](https://Michigan.gov/EGLE)



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Questions?

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