



EQUIPMENT-SPECIFIC GENERAL PTI PRIMARY FORM QUESTIONS - NEW GENERAL PERMIT TO INSTALL FOR PORTABLE HOT MIX ASPHALT PLANTS

These questions will be part of the MiEnviro Portal application forms if the general PTI is approved.

Section 1 – Applicant Details

Applicant Name: _____

Applicant Mailing Address: _____

County: _____

Authorized Employee (Name, Title) : _____

Authorized Employee Phone Number: _____

Contact Person (if different than Authorized Employee - for questions regarding this application): _____

Is the proposed equipment identified in the application:

☐ New ☐ Existing

Is there an existing Permit To Install for any equipment identified in this application?

☐ Yes ☐ No

Is any of the proposed equipment included in an outstanding consent order or consent judgement?

☐ Yes ☐ No

Section 2 – Eligibility Questions

The questions in this section are a single select yes or no question unless otherwise stated.

Are you proposing to install a portable counter flow drum dryer and mixer?

☐ Yes ☐ No

If no, the applicant is not eligible for this General Permit

Will the proposed hot mix asphalt (HMA) counter flow drum dryer and mixer have a maximum production rate less than or equal to 500 tons HMA per hour?

☐ Yes ☐ No

If no, the applicant is not eligible for this General Permit

Will the proposed HMA plant process less than or equal to 500,000 tons HMA per 12-month rolling time period combined at all locations?

☐ Yes ☐ No

If no, the applicant is not eligible for this General Permit

Will the proposed HMA plant process less than or equal to 50% recycled asphalt pavement (RAP)?

☐ Yes ☐ No

If no, the applicant is not eligible for this General Permit

Will the proposed HMA plant be controlled with a fabric filter dust collector?

☐ Yes ☐ No

If no, the applicant is not eligible for this General Permit

Will the proposed HMA plant process any asbestos tailings or waste materials containing asbestos?

☐ Yes ☐ No

If yes, the applicant is not eligible for this General Permit

Will the proposed HMA plant process any hazardous waste (as defined in state or federal law), blended fuel oil or specification recycled used oil (RUO) containing any contaminant that exceeds the following concentrations or for which the flash point, ash content, or acidity vary from the standards specified in the following table?

☐ Yes ☐ No

Contaminant	Limit	Units
Arsenic	5.0	Parts per million by weight (ppmw)
Cadmium	2.0	ppmw
Chromium	10.0	ppmw
Lead	100.0	ppmw
PCBs	1.0	ppmw
Total Halogens	1000.0	ppmw

Contaminant	Limit	Units
Sulfur	1.5	Weight %
Minimum Flash Point	100.0	°F
Maximum Ash Content	1.0	Weight %
Acidity	Minimum pH = 4 Maximum pH = 10	N/A

If no, the applicant is not eligible for this General Permit

Will the proposed HMA plant keep and maintain records of daily pressure drop readings from the fabric dust collector?

☐ Yes ☐ No

If no, the applicant is not eligible for this General Permit

Will the proposed HMA plant be located a minimum of 800 feet from a residential or commercial establishment or place of public assembly?

☐ Yes ☐ No

If no, the applicant is not eligible for this General Permit

Will the proposed HMA plant have heated liquid asphalt cement storage tank(s)?

☐ Yes ☐ No

How are the proposed liquid asphalt cement storage tanks heated? Select all applicable fuels.

☐ Natural Gas ☐ Diesel

Will the proposed liquid asphalt cement storage tank heater(s) have a total heat capacity of less than or equal to 5 million British Thermal Units per hour (MMBtu/hr)? [This question will only be available if the question above is answered Natural gas]

☐ Yes ☐ No

If no, the applicant is not eligible for this General Permit

Will the proposed liquid asphalt cement storage tank heater(s) have a total heat capacity of less than or equal to 10 gallons per hour? [This question will only be available if the question above is answered Diesel]

☐ Yes ☐ No

If no, the applicant is not eligible for this General Permit

Will the proposed liquid asphalt cement storage tank(s) be controlled with a vapor condensation and recovery system?

☐ Yes ☐ No

If no, the applicant is not eligible for this General Permit

Will the proposed HMA plant have any HMA paving materials product storage silo(s)?

☐ Yes ☐ No

Will the proposed HMA paving materials product storage silo(s) be controlled with an emission capture system for the top of each storage silo? [This question will only be available if the question above is answered yes]

☐ Yes ☐ No

If no, the applicant is not eligible for this General Permit

Will the hazardous air pollutants (HAPs) at the facility for each individual HAP be less than 8.9 tons per year (tpy) combined at all locations?

☐ Yes ☐ No

If no, the applicant is not eligible for this General Permit

Will the HAPs at the facility for aggregate (total) HAPs be less than 22.5 tpy combined at all locations?

☐ Yes ☐ No

If no, the applicant is not eligible for this General Permit

Will the fabric filter dust collector stack height be equal to or greater than 30 feet above the ground?

☐ Yes ☐ No

If no, the applicant is not eligible for this General Permit

Will the fabric filter dust collector stack diameter be less than or equal to 68 inches x 52 inches or 67 inches?

☐ Yes ☐ No

If no, the applicant is not eligible for this General Permit

Will the proposed HMA plant meet all the requirements of the fugitive dust control plan as specified in Appendix A of the special conditions?

☐ Yes ☐ No

If no, the applicant is not eligible for this General Permit

Will the proposed HMA plant meet all the requirements of the preventative maintenance program for the fabric filter dust collector as specified in Appendix B of the special conditions?

☐ Yes ☐ No

If no, the applicant is not eligible for this General Permit

Will the proposed HMA plant meet all the requirements of the emission abatement plan for startup, shutdown and malfunctions as specified in Appendix C of the special conditions?

☐ Yes ☐ No

If no, the applicant is not eligible for this General Permit

Will the proposed HMA plant meet all the requirements of the compliance monitoring plan (CMP) for facilities burning recycled used oil (RUO) as specified in Appendix D of the special conditions?

☐ Yes ☐ No ☐ Not Applicable

If no, the applicant is not eligible for this General Permit

Section 3 – Equipment Location

Please provide the NAD 83 Latitude and Longitude Coordinates for the initial operating location of the proposed portable hot mix asphalt plant equipment in the space provided below. There are two ways of doing this through MiEnviro.

If you do not know the coordinates, you may use one of the following "Tools To Help Identify Coordinates" (you are not required to use these tools if the coordinates are known):

(1) To use the "Address" option, enter the waterbody or site address in the "Address" box. The coordinates for the address listed will then automatically populate the "Coordinates" box.

(2) To use the "Map" option, pan to and click on the waterbody or site on the map. This action will move the red marker to that location and populate the "Coordinates" box.

Review the location marked on the map. If needed, re-position the red marker to reflect the correct location. This can be done by clicking on and holding the marker, then dragging it with your mouse. The coordinates will automatically update with the new location of the marker.

Latitude: _____

Longitude: _____

Section 4 – Application Equipment Inventory Section

The following section cannot be amended. These questions are requirements of the system and cannot be changed. The questions range from drop-downs, single select, and short text answers. Each proposed emission unit must be entered into the Application Equipment Inventory. A maximum of one HMA plant can be installed under this General PTI.

RELEASE POINT TILE

Name: Create a release point name. There cannot be any spaces in the release point names. Examples: SVHMAPLANT, FUGFACILITY

Type: From the drop-down list, select Vertical.

Description: Enter a brief description of the release point.

Status: From the drop-down list, select Pre-Operating.

Stack Height: Enter the height, in feet above ground.

Stack Shape: Choose circular or rectangular.

Stack Diameter: Enter the diameter of the stack in feet for circular or the length and width of the stack in feet for rectangular. The system will calculate and display the number of inches after the value in feet is entered.

Exit Gas Temp: Enter the temperature of the exhaust gas in degrees Fahrenheit.

Exit Gas Flow Rate: Enter the actual gas flow rate and select the unit for the value entered or enter the velocity. If the flow rate is entered, the velocity will automatically populate.

Exit Gas Velocity: Enter the actual gas velocity and select the unit for the value entered or enter the gas flow rate. If the velocity is entered, the gas flow rate will automatically populate. If you go back and edit any of the above stack information, the system will not recalculate. Exit the screen and start over if you need the system to calculate this field after making edits to the height, diameter, temperature or flow rate.

Location Tab

Latitude (decimal degrees): Enter the release point latitude in decimal degrees.

Longitude (decimal degrees): Enter the release point longitude in decimal degrees.

CONTROL DEVICE TILE

Name: Enter the name of the control device. Example: CDBAGHOUSE, CDDUSTSUPPRESSION

Description: Enter a brief description of the control device.

Status: From the drop-down list, select Pre-Operating.

Control Measure: Begin to enter the correct code:

- 127 - Fabric Filter / Baghouse
- 217 - Dust Suppression

CONTROL PATH TILE

Name: The Control Device Pathway name. It must start with CP (or CDP, but CP is preferred).

Description: Enter a brief description of the pathway.

Control Path Segments:

Sequence # - the order of the control devices the exhaust gas goes through between generation and release.

Control Device or Control Path (sub path) – select Device, use the drop-down list to select the correct control device.

EMISSION UNITS TILE

Name: Enter the EU ID that is in the permit, EUHMAPLANT, EUYARD, EUACTANKS, EUSILOS

Type: Begin to enter the correct code:

- E005 - Asphalt Drum Dryer / Mixer Counterflow
- E415 – Storage Tank-Asphalt
- 690 - Other process equipment (Use for EUYARD and EUSILOS)

Description: Enter a brief description that allows the AQD to easily identify the equipment.

Status: From the drop-down list, select Pre-Operating.

Additional Information Tab

Electric Generation: From the drop-down list select no.

Combustion source: From the drop-down list select no.

UNIT PROCESSES TILE

Emission Unit Identifier: Select an emission unit from the drop-down list.

SCC section: Begin to enter the correct Source Classification Code (SCC);,

- For EUHMAPLANT:
 - o 30500260 Industrial Processes-Mineral Products-Asphalt Concrete-Drum Mix Plant: Rotary Drum Dryer / Mixer, #2 Oil-Fired, Counterflow
 - o 30500257 Industrial Processes-Mineral Products-Asphalt Concrete-Drum Mix Plant: Rotary Drum Dryer / Mixer, Natural Gas, Counterflow
 - o 30500204 Industrial Processes-Mineral Products-Asphalt Concrete-Cold Aggregate Handling
- For EUYARD:
 - o 30500290 Industrial Processes-Mineral Products-Asphalt Concrete-Haul Roads: General
 - o 30500203 Industrial Processes-Mineral Products-Asphalt Concrete-Storage Piles
- For EUACTANKS:
 - o 30500212 Industrial Processes-Mineral Products-Asphalt Concrete-Heated Asphalt Storage Tanks
- For EUSILOS:

- o 30500213 Industrial Processes-Mineral Products-Asphalt Concrete-Storage Silo

Description: Enter a description of the process

Status: From the drop-down list, select Pre-Operating.

Release Point Apportionment Tab

Release Point: From the drop-down list select the release point(s) that are used for the activity for the emission unit. There must be a release point for every unit process. If the correct release point isn't in the drop-down list, go to the Release Points tile and add the correct release point.

Control Path: From the drop-down list, select the control path associated with the selected release point if it's controlled.

Apportionment: This should sum to 100% within this tab.

Section 5 – Hot Mix Asphalt Plant Equipment Information

Hot Mix Asphalt Drum – Drop down select EUHMAPLANT

Drum Fuel Type(s): (Select all that Apply)

- ☐ Distillate Oil ☐ Residual Oil ☐ Blended Fuel Oil ☐ Recycled Used Oil (RUO)
☐ Natural Gas ☐ Propane

Fuel Combustion Rating: _____ MMBtu/hr

Drum material throughput capacity: _____ tons per hour

Liquid Asphalt Cement Storage Tank(s):

How many liquid asphalt cement storage tank(s) will be installed? _____

HMA Paving Materials Product Storage Silo(s):

How many storing asphalt product silo(s) will be installed? _____

Section 6 – Additional Information

What type of additional information are you submitting with this application? If there is a proposed initial operating location, at a minimum you must attach a detailed site map for the location which shows all site characteristics including the location of any residential and/or commercial establishments and places of public assembly which are located within 1,000 feet of the proposed site.

- ☐ Attachment (May include drawings, site PDF, charts, calculations, assumptions, etc.)
☐ Technical - Specialized information regarding the installation, construction, or use of the process or stack/vent
☐ General - Any supplemental information that is not technical information

Additional information narrative - A brief description of the information. May include calculations, design parameters, etc. (short answer)