



IOWA DEPARTMENT OF
NATURAL RESOURCES



Hot Mix Asphalt Plant Quick Guide Instructions for Iowa EASY Air

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Contact the Iowa EASY Air Helpdesk
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Or call (515) 725-9569 or (515) 204-3749

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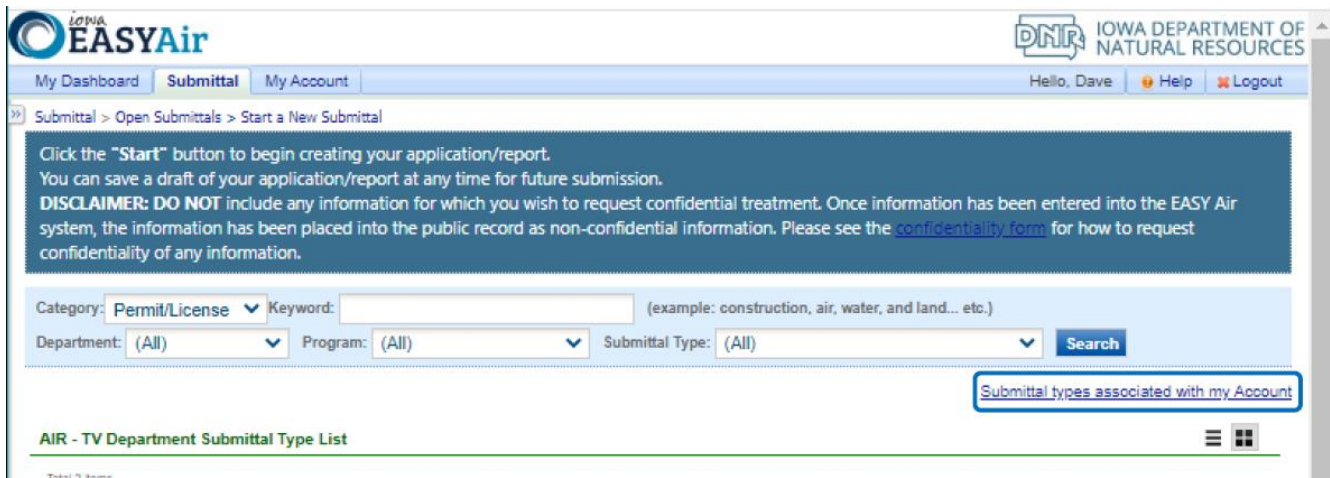


Figure 3 Link to Submittal Types Associated with my Account

Next, click on the link labeled “Submittal types associated with my Account” on the right side of the screen and the “Available Submittal Types” screen will appear as shown in Figure 4. On this screen, you are able to view the available submittal types and the submittal types already associated with your account.

Available Submittal Types

Available Submittal Types

1 - 2 of 2 displayed, total item(s)

| Responsible Official Account Type | Available Submittal Type (Submittal Types with checked checkbox(es) is/are currently in your account) |
|---------------------------------------|--|
| Responsible Official for Construction | <input checked="" type="checkbox"/> Construction - Aggregate Processing Plant <input checked="" type="checkbox"/> Construction - Bulk Gasoline Plant <input checked="" type="checkbox"/> Construction - Concrete Batch Plant <input checked="" type="checkbox"/> Construction - Group 1 Grain Elevator <input checked="" type="checkbox"/> Construction - Group 2 Grain Elevator <input checked="" type="checkbox"/> Construction - Hot Mix Asphalt Plant <input checked="" type="checkbox"/> Construction - Paint Booth Permit-by-Rule <input checked="" type="checkbox"/> Construction Determination <input checked="" type="checkbox"/> Construction Plantwide Applicability Limitations (PAL) <input checked="" type="checkbox"/> Construction Pre-Application <input checked="" type="checkbox"/> Construction Standard Application |
| Responsible Official for Title V | <input checked="" type="checkbox"/> Title V Application <input checked="" type="checkbox"/> Title V Pre-Application |

Submittal Type Association Instruction

If you are a RO, you could add more submittal types to your account. Please click the “Add More” button and follow screen instructions to add, or click the “Close” button to return to the previous page.

If you are not a RO, your submittal options will be limited to the submittal options chosen by the RO you have worked with. In order to expand the submittal types currently not in your account, please contact the Responsible Official (RO) you are working with and ask them to grant you the access to the submittal types they have chosen.

If you have any questions regarding to the process described above, you may contact EASY Air Help Desk (515) 725-9523 for assistance.

Add more **Close**

Figure 4 Available Submittal Types

If you don’t see the Hot Mix Asphalt Plant application associated with your account, click on “Add More”. This will take you to the “Basic Information” page. Follow the instructions below to associate the application type.

Associate an Application Type

To associate an application type to your account, you will need to navigate to the “Associate Facilities” tab. To navigate to the “Associate Facilities” tab, on your dashboard hover on “My Account” and click on “Basic Information” as shown in Figure 5.

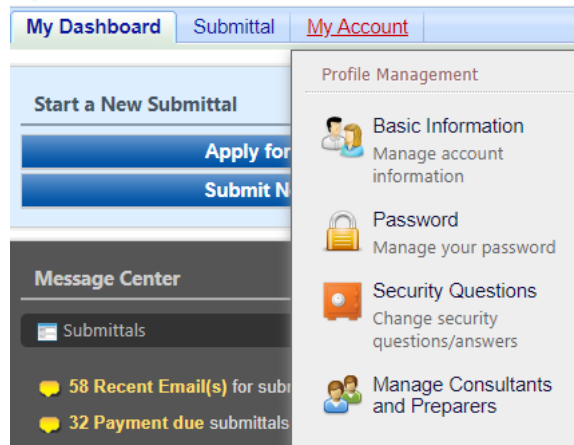


Figure 5 My Account Menu

The Basic Information page will appear. As shown in Figure 6, this page will have four tabs on top. Click on the “Associate Facilities” tab. This tab will show all your associated facilities and application types you currently have on your account.



Associated Facility List

Figure 6 Basic Information Tabs

Next, scroll to the bottom of the page and you should see three buttons, as shown in Figure 7 below. Please click on “Associate Facility”.

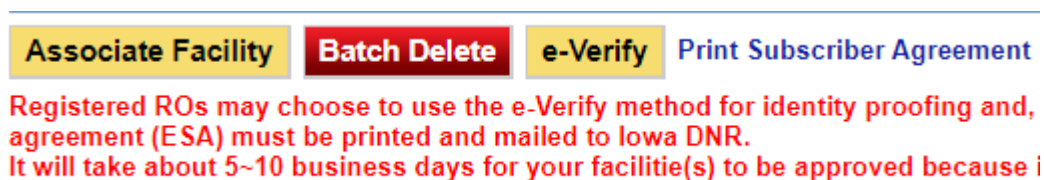


Figure 7 Associate Facility Button

The facility search will appear as shown in Figure 8 below. Enter in your facility information and click, “Search”. You may search by Facility Name, Address, or Facility Number.

3.1 Facilities Covered by Template Permit

Next, the Facility Covered by Template Permit screen will appear (See Figure 13). Please read the Facilities Covered by Template Permit screen carefully to be certain you can meet the conditions contained therein. Once you have reviewed the conditions and have determined that the template is applicable to your facility, please check the box at the bottom that you have read the statement, then click on “Save” and then “Next”.

* I have read the statement regarding Facilities Covered by Template Permit

The screenshot shows a light blue horizontal bar containing three buttons: 'Exit' (grey), 'Save' (blue), and 'Next' (blue).

Figure 13 Facilities Covered by Template Permit Statement

3.2 Contact Information

Next, the Contact Information screen will appear (See Figure 14 and 15).

3.2.1 Facility Contact Information

Please provide the name and contact information for the person within the company who should be contacted regarding questions or other pertinent information related to the permit application. If this person is the responsible official, please check the box stating this. All fields with a red asterisk are required to be filled in.

Facility Contact Information

The form contains the following fields and labels:

- * Contact First Name
- * Contact Last Name
- Contact Title:
- * Contact Phone Number (555-555-5555 Ext.):
- * Contact E-mail:
- * Contact Address 1:
- Contact Address 2:
- * Contact Address City:
- * Contact Address State: (dropdown menu showing 'IA')
- * Contact Address Zip Code:
- Check if permit contact is responsible official

Figure 14 Facility Contact Information

3.2.2 Facility Information

Please click on the “Company/Facility Name:” dropdown and select the Company/Facility Name that the permit should be associated to. The facility address and facility number will auto-fill. If the facility information is not correct, please contact easyair@dnr.iowa.gov to change the facility information.

Next, select whether the equipment is portable. If you answered “Yes”, provide the staging area address information. If you answered “No”, provide the permanent location address information. If you select “Same as Facility Address”, the information will be copied from the facility address information.

Facility Information

* Company/Facility Name:

Facility Address 1: Facility Address 2:

County: City: State: Zip:

* Is equipment portable ? Yes No

Permanent Location: Same as Facility Address

* Address 1: Address 2:

* City: * State: * Zip Code:

Exit Save Previous Next

Figure 15 Facility Information

Once you have finished entering the information, click “Save” and then “Next”. If there is required information missing from the section, the Iowa EASY Air system will highlight the required fields in red. You may proceed with the application, but the system will not allow you to submit the application until all the required fields are completed during the Validation step.

3.3 Type of Facility Being Permitted

Next, the Type of Facility Being Permitted screen will appear. Please select the type of facility being permitted from the options of “facility combusting liquid or gaseous fuels in the dryer” or “facility combusting only gaseous fuels in the dryer” using the radio buttons, as shown below in Figure 16.

Type of Facility Being Permitted

- * Select the type of facility being permitted:
- Facility combusting liquid or gaseous fuels in the dryer
 - Facility combusting only gaseous fuels in the dryer

Figure 16 Type of Facility Being Permitted Summary

Next, there will be additional options shown for the control equipment and operational limits for the facility. Please review the available options and select the appropriate option based on the type of control for the truck loadout and mix temperature.

The options available for the facility are:

- No control on truck loadout and producing hot mix asphalt at a mix temperature at or below 325 degrees Fahrenheit
- No control on truck loadout and producing hot mix asphalt at a mix temperature at or below 340 degrees Fahrenheit
- Control on truck loadout

The operating requirements for the facility in the permit are determined by the type of facility being permitted. The requirements are automatically populated in the Iowa EASY Air system based on the selections made on this screen, which will be reviewed later in the application. For reference, these requirements are summarized below for each facility type.

The requirements for a hot mix asphalt plant combusting liquid or gaseous fuels in the dryer, **without** control on the truck loadout, and producing hot mix asphalt at a mix temperature at or below 325 degrees Fahrenheit are:

- Restricted to operating only 14 hours per day
- Stack heights for the following equipment:
 - Dryer: 40 ft
 - Hot Oil Heater: 12 ft
 - Internal combustion engine (i.e. generator): 25 ft
- Property line restrictions:
 - 200 ft from any property line (if using enclosed asphalt storage silo(s)), or
 - 250 ft from any property line (if using silo(s) open to the atmosphere)
- Diesel internal combustion engines must be certified to meet the Tier 2, Tier 3, interim Tier 4, or final Tier 4 standards for compression ignition engines in accordance with 40 CFR Part 1039

The requirements for a hot mix asphalt plant combusting liquid or gaseous fuels in the dryer, **without** control on the truck loadout, and producing hot mix asphalt at a mix temperature at or below 340 degrees Fahrenheit are:

- Restricted to operating only 16 hours per day
- Stack heights for the following equipment:
 - Dryer: 40 ft
 - Hot Oil Heater: 12 ft
 - Internal combustion engine (i.e. generator): 25 ft
- Truck loadout property line restrictions:
 - 500 ft from any property line (if using enclosed asphalt storage silo(s)), or
 - 600 ft from any property line (if using silo(s) open to the atmosphere)
- Diesel internal combustion engines must be certified to meet the Tier 2, Tier 3, interim Tier 4, or final Tier 4 standards for compression ignition engines in accordance with 40 CFR Part 1039

The requirements for a hot mix asphalt plant combusting liquid or gaseous fuels in the dryer, **with** control on the truck loadout, and producing hot mix asphalt at a mix temperature at or below 340 degrees Fahrenheit are:

- Restricted to operating only 16 hours per day
- Stack heights for the following equipment:
 - Dryer: 40 ft
 - Hot Oil Heater: 12 ft
 - Internal combustion engine (i.e. generator): 25 ft
- Emissions from the filling of any silos and any truck loadout operations must be captured and controlled
- Truck loadout property line restrictions:
 - 200 ft from any property line
- Diesel internal combustion engines must be certified to meet the Tier 2, Tier 3, interim Tier 4, or final Tier 4 standards for compression ignition engines in accordance with 40 CFR Part 1039

The requirements for a hot mix asphalt plant combusting only gaseous fuels in the dryer, **without** control on the truck loadout, and producing hot mix asphalt at a mix temperature at or below 325 degrees Fahrenheit are:

- Restricted to operating only 14 hours per day
- Stack heights for the following equipment:
 - Dryer: 35 ft
 - Hot Oil Heater: 10 ft
 - Internal combustion engine (i.e. generator): 20 ft
- Asphalt storage silos and bins must be enclosed when they are not being filled or unloaded

You will get a confirmation screen similar to the one shown below in Figure 34 and a confirmation email will be sent to you.

CONFIRMATION OF SUBMITTAL

1. Your application has been received and will be reviewed shortly.
2. Check your account, email and text message for system notification at various mile stones.
Thank you for using Iowa EASY Air.

Please click [HERE](#) to print your receipt.

Submittal ID: 49891

| Submitted By: | Owner Info: |
|---|---|
| Ashley Waller IOWA EASY AIR TEST SITE 502 E 9th St Des Moines IA 50319 5555555555 ashley.dvorak@dnr.iowa.gov | Ashley Waller IOWA EASY AIR TEST SITE Work Site: 502 E 9th St Des Moines IA 50319 5555555555 ashley.dvorak@dnr.iowa.gov |

Submitted on: 11/23/2020 9:25:45 AM

Facility / Property Name: IOWA EASY AIR TEST SITE

Facility Number: 99-99-998

Form Detail

- Rescission

Attachment Detail

Figure 34 Confirmation of Submittal

If you have questions, please call the Iowa EASY Air Helpdesk at (515) 725-9569 or (515) 204-3749.
Or, send an email to easyair@dnr.iowa.gov

Appendix A – Sample Equipment List

Facility Name ABC Ready Mix, Inc.

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Initial _____

Permit Number (department use only) _____

Equipment List

| Production Equipment Type | Production Equipment Make | Production Equipment Model | Production Equipment Serial Number or Company ID | Associated Control Equipment Serial Number or Company ID | Construction Date |
|---------------------------|---------------------------|----------------------------|--|--|-------------------|
| Cement Silo #1 | XYZ Manufacturing | 100 tons | EU-1 | Baghouse (CE-1) | 4/2001 |
| Cement Silo #2 | XYZ Manufacturing | 100 tons | EU-2 | Baghouse (CE-2) | 6/2007 |
| Flyash Silo #1 | XYZ Manufacturing | 50 tons | EU-3 | Baghouse (CE-3) | 4/2001 |
| Cement Weigh Batcher | XYZ Manufacturing | 8 cubic yards | EU-4 | Dust Collector (CE-4) | 4/2001 |
| Truck Load out | XYZ Manufacturing | 150 cubic yards/hr | EU-5 | None | 4/2001 |
| Agg Load in Hopper | Unknown | Unknown | EU-6 | None | 7/1988 |
| Conveyor #1 from Hopper | Unknown | Unknown | EU-7 | None | 7/1988 |
| Conveyor #2 from Hopper | XYZ Manufacturing | 250 tons/hr | EU-8 | None | 4/2001 |
| Elevated Aggregate Bins | XYZ Manufacturing | 400 tons | EU-9 | None | 4/2001 |
| Aggregate Weigh Batcher | XYZ Manufacturing | 250 tons/hr | EU-10 | None | 4/2001 |
| Water Heater | XYZ Manufacturing | 300,000 BTU/hr | EU-11 | None | 4/2001 |
| | | | | | |
| | | | | | |
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