



























### 3.6.4 Best Management Practices

Please read the Best Management Practices section 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 section, then click on “Save” and then “Next”.

I have read the best management practices requirements

Figure 22 Best Management Practices Statement

### 3.7 Equipment List

Next, the Equipment List screen will appear as shown in Figure 22. To enter the equipment associated with your Concrete Batch Plant, click “Add New Record”. Text boxes for the Production Equipment Type, Production Equipment Make, Production Equipment Model, Production Equipment (Serial Number/Company ID), Associated Control Equipment (Serial Number/Company ID), and Construction Date will appear as shown in Figure 23.

Equipment List

Construction Date should be in MM/DD/YYYY format. If you don't know the day of the month, please use the 1st. If you don't know the month, please use January.

Production Equipment Type	Production Equipment Make	Production Equipment Model	Production Equipment (Serial Number/Company ID)	Associated Control Equipment (Serial Number/Company ID)	Construction Date

Add New Record

Figure 23 Equipment List Summary

Construction Date should be in MM/DD/YYYY format. If you don't know the day of the month, please use the 1st. If you don't know the month, please use January.

Production Equipment Type	Production Equipment Make	Production Equipment Model	Production Equipment (Serial Number/Company ID)	Associated Control Equipment (Serial Number/Company ID)	Construction Date
✓ ✗					

Figure 24 Equipment List Summary

Please enter the information in each text box for each equipment for the proposed Concrete Batch Plant. An example equipment list is attached for reference in Appendix A.

When you are finished with entering information for a piece of equipment, click the green “checkmark” to add the equipment to the list. If you need to remove equipment from the list, you may click the red “x” to delete the equipment from the list.

Below is an explanation for the corresponding field on the form:

**Production Equipment Type:** Provide the name of the equipment type that is a part of the Concrete Batch Plant, such as “Cement Silo”, “Truck Loadout”, “Conveyor #1”, etc.

**Production Equipment Make:** Provide the name of the manufacturer of the process equipment. If unknown, list “Unknown”.

**Production Equipment Model:** Provide the name of the model of the process equipment. If unknown, list “Unknown”.

**Production Equipment (Serial Number/Company ID):** Provide the identifier that the facility will use for this equipment. This may either be the serial number of the process equipment, a specific company ID that the facility uses for this equipment, or an Emission Unit (EU) ID.

**Associated Control Equipment (Serial Number/Company ID):** If the source is controlled by an air pollution control device (ex: baghouse, dust collector, etc.), provide a description of the control equipment along with an identifier that the facility will use for this equipment. This may either be the serial number of the control equipment, a specific company ID that the facility uses for this equipment, or a Control Equipment ID.

**Construction Date:** The Construction Date should be the date the equipment was manufactured. The date should be in MM/DD/YYYY format. If you don't know the day of the month, please use the 1<sup>st</sup> of the known month. If you don't know the month of the year, please use January 1<sup>st</sup> of the known year.

Please click "save" at the bottom of the screen to save the equipment description(s) to the application.

*If you do not click "save" before loading into another page, you will lose your current progress entering information.*

Once you have entered equipment to the list and confirmed it with the green "checkmark", you may edit the equipment using the "pencil and paper" icon, or delete the record using the "red x" icon shown below in Figure 24. If you choose to delete the record, the Iowa EASY Air system will confirm that you want to delete the record with a pop-up message. Select "Ok" on this message to confirm, or "Cancel" to stop the deletion request.

Construction Date: Effective date should be MM/DD/YYYY format. If you don't know the day of the month, please use the 1st. If you don't know the month, please use January.

		Production Equipment Type	Production Equipment Make	Production Equipment Model	Production Equipment (Serial Number/Company ID)	Associated Control Equipment (Serial Number/Company ID)	Construction Date
		Cement Silo #1	XYZ Manufacturing	100 tons	EU-1	Baghouse (CE-1)	04/01/2001

**Figure 25 Equipment List Example**

When you are finished filling out this form, please click, "Save" and then "Next". In addition, please click "Save", if you want to save your work and return to the form to complete at a later time.

### 3.8 Form GHG: Greenhouse Gas Emissions Inventory

Next, the Form GHG: Greenhouse Gas Emissions Inventory screen will appear as shown in Figure 25.

*As required by IAC 455B.134(3)"f", Form GHG is required for every construction permit application even if the potential GHG emissions are zero.*

GHG emissions are caused by combustion sources (e.g. dryers, boilers, space heaters, etc.). If your application does not have any Greenhouse Gas (GHG) emissions, please check the corresponding box at the top of the screen. The rest of the form does not need to be completed.

**Form GHG: Greenhouse Gas Emissions Inventory**

Check this box if Greenhouse Gases are not emitted from any of the emission units in this project.

Stack/Vent Emissions Summary									
EP ID	EU ID	Emission Unit Name	On-Site Installation/Modification Date	CO2 (TPY)	CH4 (TPY)	N2O (TPY)	SF6 (lb/yr)	HFCs (lb/yr)	PFCs (lb/yr)
Total Stack/Vent Emissions:				0	0	0	0	0	0

Add New Record

Fugitive Emissions Summary									
EP ID	EU ID	Emission Unit Name	On-Site Installation/Modification Date	CO2 (TPY)	CH4 (TPY)	N2O (TPY)	SF6 (lb/yr)	HFCs (lb/yr)	PFCs (lb/yr)
Total Fugitive Emissions:				0	0	0	0	0	0

Add New Record

Total Project Emissions:

CO2 (TPY):	CH4 (TPY):	N2O (TPY):	SF6 (lb/yr):	HFCs (lb/yr):	PFC (lb/yr):
0	0	0	0	0	0

**Figure 26 Form GHG: Greenhouse Gas Emissions Inventory Summary**

If GHG emissions are present:

- To begin entering information for each emission unit, use the “Add New Record” button.
- List ALL emission units in the project including fugitive sources, exempt units and other non-permitted emission units (i.e. natural gas boilers rated less than 10 MMBtu/hr, chillers, small units, etc.). Mobile sources (i.e. trucks, forklifts, cars, etc.) are not required to be listed.
- Emission units may be grouped into categories (i.e. chillers, space heaters, etc.).
- If the project is a modification to an emission unit, the facility shall report the total GHG emissions for the unit.
- If multiple emission units use a common emission point, associate the emission point ID in column (1) to each of the emission units involved in column (2). Provide the GHG emissions for each unit venting to that emission point.
- Show how potential GHG emissions were calculated on an attached sheet labeled “Form GHG-A”. Total HFCs and PFCs are to be listed in the corresponding cells, but the calculations should separate the individual HFCs and PFCs.
- More information concerning GHG emissions, including emission factors, can be found on the Air Quality Bureau [Greenhouse Gas Emission page](#).

Below is an explanation for the corresponding field on the form:

**Emission Point (EP) ID:** Called the emission point (EP) identification (ID). It can be any combination of letters or numbers up to 16 characters in length. The ID should match the ID for this equipment used on other construction permit applications and within this application. If also submitting an operating permit application, the ID used in this application should be consistent with those used in the operating permit application.

**Emission Unit (EU) ID:** Called the emissions unit (EU) identification (ID). Each source in the application must have its own identifier. It can be any combination of letters or numbers up to 16 characters in length. The ID should match the ID for this equipment used on other construction permit applications and within this application. If also submitting an operating permit application, the ID used in this application should be consistent with those used in the operating permit application.

**Emission Unit Name:** Provide the name of the emission unit, such as “Emergency Engine”, “Boiler 1”, etc.

**On-Site Installation or Modification Date:** Provide the date (both month and year) in which on-site installation or modification of the emission unit begins or will begin.

- For the purposes of this form: Modification means any physical change or change in the method of operation of any existing equipment or control equipment.
- If you don't know the day of the month, please use the 1<sup>st</sup> of the known month. If you don't know the month of the year, please use January 1<sup>st</sup> of the known year.

**Potential or Permitted Emission Rate:** Fill in the rate of potential emission in the appropriate units (either tons per year or pounds per year) for each pollutant. The following are the GHG emissions that must be included:

- CO<sub>2</sub>: Carbon dioxide
- CH<sub>4</sub>: Methane
- N<sub>2</sub>O: Nitrous oxide, also known as dinitrogen oxide or dinitrogen monoxide.
- SF<sub>6</sub>: Sulfur hexafluoride
- HFC: Hydrofluorocarbons
- PFC: Perfluorocarbons

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*Attach to this form a copy of your calculations showing how the potential GHG emissions were calculated.*

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Total HFCs and PFCs are to be listed in the corresponding cells, but the calculations should separate the individual HFCs and PFCs. If you have more stack/vent emission sources than can fit on this form, attach a separate sheet labeled "Form GHG-A".

There is a separate field area for fugitive emissions on this screen. Fugitive emissions are those emissions that cannot reasonably be made to pass through a stack, a vent, or an equivalent opening. Examples include equipment leaks, portion of landfill gas emissions, portion of wastewater treatment plant emissions, transformers, etc. Fugitive emissions must be included on this form if they are part of the current project for which the application is being submitted.

The system will automatically sum all of the potential or permitted emission rates for the listed equipment. To remove an entry in the Stack/Vent Emissions Summary table or the Fugitive Emissions Summary table, click the red "x". The Iowa EASY Air system will confirm with you that you want to delete the record with a pop-up message. Select "Ok" on this message to confirm, or "Cancel" to stop the deletion request. Please click "save" at the bottom of the screen to save the data entered into each table to the application.

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*If you do not click "save" before loading into another page, you will lose your current progress entering information.*

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### 3.9 Attachments

Next the Attachments screen will appear (see Figure 26). Attachments may be uploaded to the application electronically, or mailed/faxed to the Department.

*The Iowa DNR recommends that attachments be submitted electronically so as to not slow down the application process.*

Please attach any documents required to assist the assigned engineer with completing the project on this screen.

To include your attachment(s) in the Iowa EASY Air system, select the “Online” radio button and then click on the “Upload” button. Only one file may be uploaded at a time, and the maximum file size allowed is 100 MB.

#### Attachment

The maximum file size allowed is 100MB. Please make sure the file you want to upload is smaller than 100MB.

Figure 27 Attachment Screen

Select “Choose File” to select the document to be uploaded. These file types are accepted by the system:

- pdf, doc, docx, txt, xls, xlsx, cvs
- jpeg, jpg, bmp, png, gif
- xml

You may include a comment for each attachment. When you have successfully selected the document, click on “Save” to upload the attachment as shown in Figure 27.

Figure 28 Attachment Screen

The uploaded attachment will display on the screen as shown in Figure 28. To remove an attachment, click the red “x” icon. The Iowa EASY Air system will confirm with you that you want to delete the record with a pop-up message. Select “Ok” on this message to confirm, or “Cancel” to stop the deletion request. To edit the attachment comment, click on the attachment comment, edit the comment, then select “Save” to update the comment or “Cancel” to cancel the change.

Figure 29 Example Attachment Screen

Please click “save” at the bottom of the screen to save the page.

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*If you do not click “save” before loading into another page, you will lose your current progress entering information.*

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If you plan to mail or fax the attachments, please select the “Mail” radio button on the attachment screen. If mailing attachments, include the attachment descriptions and submittal ID. Mail attachments to the following address:


Application Login Desk  
Air Quality Bureau  
502 E 9th Street  
Des Moines, IA 50319

If faxing documents, include the attachment descriptions and submittal ID. The Air Quality Bureau fax number is (515) 725-9501.

### 3.10 Validation

Next the Validation screen will appear (see Figure 29). The system will check the application forms for required information that is missing, and will display a result similar to the figure below:

#### Application Form(s) Summary

Click on the [hyperlinks](#) below to return to a specific section of the online form  
Click on the PDF  [hyperlink](#) below to open/save/print the PDF form

#### Concrete Batch Plant [Concrete Batch Plant - Form View](#)

- ✓ [Facilities Covered by Template Permit](#)
- ✓ [Contact Information](#)
- ✓ [Type of Facility Being Permitted](#)
- ✓ [Emission Limits and Compliance Demonstrations](#)
- ✓ [Federal Rule Applicability](#)
- ✓ [Operating Limits](#)
- ✓ [Equipment List](#)
- ✓ [Form GHG](#)

#### Attachment(s) Summary

- ✓ [Other](#)

[Exit](#) [Previous](#) [Next](#)

Figure 30 Example Validation Screen

If there are no noted issues, click the “Next” button. If there are issues, you may navigate to the section by selecting the section on this screen to complete the missing information.

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*Please note that the system will only check for missing information, and will not validate whether the information is complete or accurate.*

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### 3.11 Payment

Next the Payment screen will appear. The application fee for a Concrete Batch Plant template permit is \$100.00 per application for each plant. You may pay for the application fee by Credit Card, Check, Money Order, or eCheck (ACH – NACHA).

The Iowa DNR recommends that payment be submitted electronically (Credit Card or eCheck) so as to not slow down the application process.

**Outstanding Balance**

Construction - Concrete Batch Plant (View Fee Schedule)	\$100.00
Application Fee	
Fee	\$100.00

**Payment Method**

Fee Amount:	\$100.00
Amount Due:	\$100.00
<b>TOTAL PAYABLE:</b>	<b>\$100.00</b>

Payment Method:

[Exit](#) [Previous](#) [Next](#)

**Figure 31 Example Payment Screen**

If paying by Credit Card or eCheck, please use the “Online Checkout” option in the dropdown menu. The system will request the applicable information for each type of payment. If paying by Check or Money Order, select the appropriate method in the dropdown menu. When sending the payment via mail, please use the following information for payment:

- Pay To: Iowa Department of Natural Resources
- Address: Wallace State Office Building 502 E 9th St, 4th Floor, Des Moines IA 50319
- Please print a copy of the submittal receipt and mail it in with the payment or write the submittal ID number on the check or money order.

When you have finished, click the “Next” button.

**3.12 Submission**

Next, the Certification of Submission screen will appear (see Figure 31). Please review the statement at the top of the screen, then check the box at the top of the screen, answer the security question, enter your pin, and click “Submit”.

**Certification of Submission**

\* I certify that, based on information and belief formed after reasonable inquiry, the enclosed documents including the attachments are true, accurate, and complete and that legal entitlement to install and operate the equipment covered by the permit application and on the property identified in the permit application has been obtained. I agree to pay all application fees for this submittal based on the current Fee Schedule. I agree to pay all fees incurred for the review of the submittal.  
 I certify that this permit, as drafted, is for (and only for) a “concrete batch plant” not otherwise “excluded” as noted below. I certify that there are no physical or chemical characteristics or pollutants in the air contaminants emitted for this facility which are atypical of this type of facility.  
 I certify that the terms and conditions of this permit will be met at all times.

Question: What was your high school’s mascot?

Answer:

PIN:  [Forgot your Pin Number?](#)

**Security Precautions**

To prevent your information from being used inappropriately, we maintain stringent EASY Air’s electronic safeguards as well as physical and administrative protection. In addition, the security safeguards are also powered by VeriSign’s Certificates and Authorize.NET’s PCI compliant processes. Once we provide you with a password, you are responsible for maintaining the confidentiality of the password. Please note that access to these links, irrespective of the issuance of the User ID and Password, may be terminated by our discretion at any time.

**Disclaimer**

**Disclaimer: Terms, Privacy, Warranty and Links to Other Sites**

Please refer to <https://www.iowa.gov/policies> for the State of Iowa’s disclaimer information.

[Exit](#) [Previous](#) [Submit](#)

**Figure 32 Example Certificate of Submission Screen**

You will get a confirmation screen similar to the one shown below in Figure 32 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 33 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](mailto: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