Group 2 Grain Elevator Plant Air Quality Construction Permit

Permit Number: ***DRAFT***

Plant Number:

Company:

Contact Person:
{NAME}
{TITLE}

{PHONE}
{EMAIL ADDRESS}

{STREET ADDRESS}
{CITY}, {STATE} {ZIP}

Responsible Party:
{NAME}
{TITLE}

{PHONE}
{EMAIL ADDRESS}

{STREET ADDRESS}
{CITY}, {STATE} {ZIP}

Permitted Equipment

Site Name: {Company's Name for Plant}

Equipment Location: {STREET ADDRESS}
{CITY}, IA {ZIP}

Issuance of this permit shall not relieve the owner or operator of the responsibility to comply fully with applicable provisions of the State Implementation Plan (SIP), and any other requirements of local, state, and federal law.

Table 1 – Project Issuance Information

Project Number	Project Description	Stack Testing	Issuance Date
		Yes	

Under the Direction of the Director of the
Department of Natural Resources

[Engineer Initials]

PERMIT CONDITIONS

1. Emission Limits

All emission units at the Group 2 Grain Elevator must comply with the applicable state, federal, and local emission limit requirements which include:

A. **Facility-wide Emission Limits**
The owner or operator is required to report all emissions as required by law, regardless of whether a specific emission limit has been established in this permit. The following emission limits shall not be exceeded:

Table 2- Facility-wide Emission Limits

Pollutant	tons/yr[1]	Reference/Basis
Particulate Matter (PM) – State	249.4[2]	PSD Synthetic Minor
PM_{10}	50[3]	NAAQS

[1] The emission limit is based on a 12-month rolling total.
[2] The emission limit was established to ensure the facility was considered a minor stationary source for the Prevention of Significant Deterioration (PSD) program.
[3] Emission limit used in dispersion modeling to demonstrate no predicted exceedances of the National Ambient Air Quality Standards (NAAQS). This limit applies to emissions from only the grain elevator. It does not include emissions from separately permitted activities such as feed mill equipment.

B. **Emission Limits: (1) Grain Bins at a Country Grain Elevator and (2) Any Grain Bin Constructed, Modified, or Reconstructed before March 31, 2008 at a Grain Terminal Elevator or Country Grain Terminal Elevator**
The owner or operator is required to report all emissions as required by law, regardless of whether a specific emission limit has been established in this permit. The following emission limits shall not be exceeded:

Table 3 - Emission Limits for Country Grain Elevator Grain Bins and Pre-March 31, 2008 Grain Bins at Grain Terminal Elevators and Country Grain Terminal Elevators

Pollutant	Emission Limit	Reference/Basis
Particulate Matter (PM) – State	1.0 gr/dscf[1]	567 IAC 23.4(7)"a"[2]
		567 IAC 23.4(7)"b"[3]
Opacity	40%[4]	567 IAC 23.3(2)"d"

[1] The emission limit is expressed as the average of three stack test runs.
[2] IAC rule reference for grain bin vents at Country Grain Elevators.
[3] IAC rule reference for grain bin vents Constructed, Modified, or Reconstructed before March 31, 2008 at Country Grain Terminal Elevators and Grain Terminal Elevators.
[4] The emission limit is based on a six minute average.

C. **Emission Limits: Grain Bins Constructed or Reconstructed on or after March 31, 2008 at Country Grain Terminal Elevators and Grain Terminal Elevators**
The owner or operator is required to report all emissions as required by law, regardless of whether a specific emission limit has been established in this permit. The following emission limits shall not be exceeded:

Table 4 - Post March 31, 2008 Grain Bins at Country Grain Terminal Elevators and Grain Terminal Elevators

Pollutant	Emission Limit	Reference/Basis
Particulate Matter (PM) – State	0.1 gr/dscf[1]	567 IAC 23.4(7)"c"
Opacity	40%[2]	567 IAC 23.3(2)"d"

[1] The emission limit is expressed as the average of three stack test runs.
[2] The emission limit is based on a six minute average.

D. **Grain Handling Emission Limits**
Grain handling includes, but is not limited to, equipment such as bucket elevators or legs, scale hoppers, turn heads, scalpers, cleaners, trippers, and headhouse and other such structures. The owner or operator is required to report all emissions as required by law, regardless of whether a specific emission limit has been established in this permit. The following emission limits shall not be exceeded:

Table 5 - Emission Limits for Grain Handling Equipment

Pollutant	Emission Limit	Reference/Basis
Particulate Matter (PM) – State	0.1 gr/dscf[1]	567 IAC 23.4(7)
Opacity	5%[2]	Group 2 Permit[3]

[1] The emission limit is expressed as the average of three stack test runs.
[2] The emission limit is based on a six minute average.
[3] Emission limit established for grain handling operations subject to the Group 2 Permit.

E. **Other Emission Limits**
The following emissions limits are for emission units not subject to NSPS Subpart DD (See Condition 4 of this permit) or covered by Conditions 1.A. – 1.D. The owner or operator is required to report all emissions as required by law, regardless of whether a specific emission limit has been established in this permit. The following emission limits shall not be exceeded:

Table 6 – Other Emission Limits

Pollutant	Emission Limit	Reference/Basis
Particulate Matter (PM) – State	0.1 gr/dscf[1]	567 IAC 23.4(7)
Opacity	40%[2, 3]	567 IAC 23.3(2)"d"
Sulfur dioxide (SO_2)	2.5 lb/MMBTU[4]	567 IAC 23.3(3)"b"
	500 ppm_v[5]	567 IAC 23.3(3)"e"

[1] The emission limit is expressed as the average of three stack test runs.
[2] The emission limit is based on a six minute average.
[3] An exceedance of the indicator opacity of 25% will require the owner or operator to promptly investigate the

emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the Department may require additional proof to demonstrate compliance (e.g., stack testing).

[4] This emission limit applies to emission units that combust liquid fuels.

[5] This emission limit applies to processes, other than sulfuric acid manufacturing, not subject to 567 IAC 23.3(3)"a", 567 IAC 23.3(3)"b", 567 IAC 23.3(3)"c", or 567 IAC 23.3(3)"d" that emit SO_2.

F. **Fugitive Dust Emission Limits**
In accordance with 567 IAC 23.3(1)"c", the owner or operator shall take all reasonable precautions to prevent the discharge of visible emissions of fugitive dust beyond the lot line of property on which the plant is located.

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2. Compliance Demonstration(s)

If an initial stack test is specified in the "Compliance Demonstrations" table, the owner or the owner's authorized agent shall demonstrate compliance with the emission limitations contained in Condition 1 (Emission Limits) within the applicable time period specified below:

- Within 60 days after achieving the maximum production rate but not later than 180 days after the initial startup date of the proposed equipment for the addition of new equipment or the physical modification of existing equipment or control equipment.
- Within 90 days of the issuance of this permit if there is no physical modification to any emission units or control equipment.

If any additional stack testing beyond an initial test (i.e. quarterly, semi-annual, annual, etc.) is required in the "Compliance Demonstrations" table, the owner or the owner's authorized agent shall demonstrate compliance with the emission limitations contained in Condition 1 (Emission Limits) as specified in the "Compliance Demonstrations" table. See Conditions 12.A.(4) and 12.B.(5) for notification and reporting requirements.

If stack testing is required, the owner or the owner's authorized agent shall use the test method and run time listed in the "Compliance Demonstrations" table unless another testing methodology is approved by the Department before testing.

Table 7 - Compliance Demonstrations

Pollutant	Compliance Methodology	Frequency	Test Run Time	Test Method
PM – Federal	See Footnote 1	Initial	1 hour	40 CFR 60, Appendix A, Method 5
PM – State	None	NA	1 hour	40 CFR 60, Appendix A, Method 5 40 CFR 51, Appendix M, Method 202
Opacity	See Footnote 1	Initial	1 hour	40 CFR 60, Appendix A, Method 9
SO_2	None	NA	1 hour	40 CFR 60, Appendix A, Method 6C

[1] The owner or operator of any emission units subject to NSPS Subpart DD (See Condition 4 of this permit) shall conduct the required compliance demonstration in accordance with 40 CFR §60.303. The stack testing requirements apply to new emission units installed after the Grain Elevator exceeds the permanent storage capacity of 2.5 million U.S. bushels threshold to become a grain terminal elevator as defined at 40 CFR §60.301. Any new emission unit subject to the emission limitations in this subpart is required to conduct an initial stack test.

Each emissions compliance test must be approved by the Department. Unless otherwise specified by the Department, each compliance test for an air pollutant, excluding opacity, shall consist of three separate runs. The arithmetic mean of three acceptable test runs shall apply for compliance, unless otherwise indicated by the Department.

Opacity compliance tests shall consist of a minimum of three, 1-hour runs of observations. Opacity shall be determined as the average of any 24 consecutive, 15-second observations from the data set. The opacity observation duration and averaging time requirements apply unless otherwise specified by federal rule, specified in this permit, or granted prior written approval by the Department.

In accordance with 567 IAC 21.10(7)"a":

1. At the Department's request, a pretest meeting shall be held not later than 15 days before the owner or operator conducts the compliance demonstration. A testing protocol shall be submitted to the Department for review no later than 15 days before the owner or operator conducts the compliance demonstration. Representatives from the Department shall attend this meeting, along with the owner and the testing firm, if any. It shall be the responsibility of the owner to coordinate and schedule the pretest meeting.
2. A representative of the Department shall be permitted to witness the tests. In order to allow a Department representative the opportunity to observe a stack test, each test must begin on a weekday, between the hours of 6 am to 6 pm. Alternative stack test times may be granted through written Department approval prior to testing.
3. The Department shall reserve the right to impose additional, different, or more detailed testing requirements.

The owner shall be responsible for the installation and maintenance of test ports.

The unit(s) being sampled shall be operated in a normal manner (i.e. not under startup or shutdown conditions) at

(a) its maximum continuous production or operating rating as rated by the equipment manufacturer, which is listed on either the first page or Condition 3, Emission Point Characteristics, of this permit, or
(b) a permitted rating listed elsewhere in this permit that is less than the maximum continuous production or operating rating as rated by the equipment manufacturer.

If the compliance test is conducted at less than (a) or (b) above then the owner or operator shall either retest the unit(s) under the conditions of (a) or (b) above or the Department may require additional information or action to determine the unit(s) compliance status with applicable emission limits. This information or action includes, but is not limited to, a permit amendment, additional testing, continuous monitoring, and operating data.

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3. Emission Point Characteristics

There are no specific stack characteristic requirements for grain elevators subject to this permit.

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4. Federal Standards

A. <u>New Source Performance Standards (NSPS):</u>

(1) NSPS Subpart DD applies to grain terminal elevators and grain storage elevators that commenced construction, modification, or reconstruction after August 3, 1978. Only grain terminal elevators are eligible for this permit template and they are defined in the NSPS as:

- *Grain terminal elevator* means any grain elevator which has a permanent storage capacity of more than 88,100 m^3 (ca. 2.5 million U.S. bushels), except those located at animal food manufacturers, pet food manufacturers, cereal manufacturers, breweries, and livestock feedlots.

A country grain elevator or country grain terminal may be subject to NSPS Subpart DD if it meets the definition of a *grain terminal elevator* above.

The affected facilities are each truck unloading station, truck loading station, barge and ship unloading station, barge and ship loading station, railcar loading station, railcar unloading station, grain dryer, and all grain handling operations. Therefore, the units covered by this permit may be subject to the following NSPS standards:

Table 8 - NSPS Subpart DD Citations

Subpart	Title	State Reference (567 IAC)	Federal Reference (40 CFR)
A	General Provisions	23.1(2)	§60.1 – §60.19
DD	Standards of Performance for Grain Elevators	23.1(2)"ooo"	§60.300 – §60.304

The following emission standards apply to emission units subject to NSPS Subpart DD:

Table 9 - NSPS Subpart DD Emission Limits

Pollutant	Standard	Emission Unit Description	Rule Citation (40 CFR)
Opacity	0%	Column dryer with column plate perforation exceeding 2.4 mm diameter (ca. 0.094 inch)	§60.302(a)
		Rack dryer in which exhaust gases pass through a screen filter coarser than 50 mesh	
PM – Federal	0.023 g/dscm (0.01 gr/dscf)	Any affected facility except a grain dryer[1]	§60.302(b)
Opacity	0%		
Opacity[2]	5%	Any individual truck unloading station, railcar unloading station, or railcar loading station	§60.302(c)
	0%	Any grain handling operation	
	10%	Any truck loading station	
	20%	Any barge or ship loading station	

[1] In accordance with 40 CFR §60.302(b), the standard applies to any process emission. 40 CFR §60.301 defines "process emission" as the particulate matter which is collected by a capture system.

[2] 40 CFR §60.302(c)limits the amount of fugitive particulate matter emissions by setting a standard on opacity. 40 CFR §60.301 defines "fugitive emissions" as the particulate matter which is not collected by a capture system and is released directly into the atmosphere from an affected facility at a grain elevator.

NOTE: The owner or operator shall demonstrate compliance with the emission standards in the above table in accordance with 40 CFR §60.303.

In addition to the limits listed in the table, in accordance with 40 CFR §60.302(d), the owner or operator of any barge or ship unloading station shall operate as follows:

a. The unloading leg shall be enclosed from the top (including the receiving hopper) to the center line of the bottom pulley and ventilation to a control device shall be maintained on both sides of the leg and the grain receiving hopper.
b. The total rate of air ventilated shall be at least 32.1 actual cubic meters per cubic meter of grain handling capacity (ca. 40 ft^3/bu).

c. Rather than meet the requirements of the above paragraphs (~~1~~ a.) and (~~2~~ b.), the owner or operator may use other methods of emission control if it is demonstrated to the Department's satisfaction that they would reduce emissions of particulate matter to the same level or less.

(2) If the Group 2 Grain Elevator covered by this permit is not subject to NSPS Subpart DD then none of the emission units covered by this permit are subject to an NSPS subpart as there are no applicable subparts for their source category.

NOTE: The absence of the inclusion of any NSPS requirements as part of this permit does not relieve the owner or operator from any obligation to comply with all applicable NSPS conditions.

B. National Emission Standards for Hazardous Air Pollutants (NESHAP):
The emission units covered by this permit are not subject to any NESHAP subpart as there are no applicable subparts for their source category.

NOTE: The absence of the inclusion of any NESHAP requirements as part of this permit does not relieve the owner or operator from any obligation to comply with all applicable NESHAP conditions.

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5. Operating Requirements with Associated Monitoring and Recordkeeping

Unless specified by any federal regulation, all records as required by this permit shall be kept on-site for a minimum of two years and shall be available for inspection by the Department. Records shall be legible and maintained in an orderly manner. The operating requirements and associated recordkeeping for this permit shall be:

Facilities and Equipment not covered by this permit

A. This permit does not cover any operations located in Linn County or Polk County.

B. This permit does not cover any emission unit not directly associated with grain handling, including, but not limited to, internal combustion engines, fuel oil storage tanks, and feed mill equipment. The owner or operator of these emission units must use an applicable exemption in 567 IAC 22.1(2) or obtain a construction permit as specified in 567 IAC 22.1(1).

General Requirements

C. For country grain terminal elevators and grain terminal elevators, the operating limits, including grain throughput limits, specified in the potential-to-emit (PTE) calculations submitted as part of the application and any updated PTE calculations and/or equipment lists submitted for any subsequent equipment modifications are enforceable permit limits.

D. The owner or operator of an existing Group 2 Grain Elevator facility shall fully implement the Best Management Practices (BMP) contained within Condition 5.E. no later than March 31, 2009. The owner or operator of any new Group 2 Grain Elevator facility shall fully implement the BMP contained within Condition 5.E. upon start-up of the equipment at the facility.

Best Management Practices

E. The owner or operator shall implement the following requirements and BMP:

(1) Grain shall be:

a. Oiled after receipt at the grain unloading station (dump pit) and prior to transfer to bin storage, or

b. grain shall be oiled at the grain loadout, or

c. PM_{10} controls may be operated that result in equivalent or better facility-wide PM_{10} emissions reductions as would occur with the use of grain oiling at the grain unloading station.

(2) Grain handling equipment (includes but is not limited to bucket elevators or legs, scale hoppers, turn heads, scalpers, cleaners, trippers, and headhouse and other such structures) shall be cleaned, enclosed, or controlled as necessary to minimize visible dust emissions when the equipment is being operated.

(3) Operation of aeration fans shall be minimized during loading of grain into storage bins to the extent possible.

(4) Dump pits with enclosures shall be maintained and operated so as to minimize the emissions of dust to the atmosphere resulting from the dumping and handling of grain.

(5) Dump pits with induced draft fans installed must use fans with a capacity of at least 50 cubic feet per minute per square foot (cfm/sq. ft). of airflow at the effective grate surface, where the area of the effective grate surface is the area of the dump pit grate through which air passes, or would pass, when aspirated.

(6) If feasible, loadouts shall use socks and drop-down spouts or sleeves, or equivalent, which extend at least 6 inches below the sides of the receiving container to minimize grain free-fall distance, except for topping off.

(7) To the extent possible, the flow of the grain through the spout shall be regulated so as to minimize dust emissions from the receiving container when the container is empty to only partially full.

(8) Column dryers shall have screen perforations on replacement screens or new dryer screens no greater than 0.094 inches.

(9) Grain inlets and grain outlets to dryers shall be enclosed.

(10) Rack dryers shall have a maximum screen house filter size of 50 mesh on replacement screen house filters or new dryer screen house filters.

(11) The volume of grain passing through the dryer shall not exceed the manufacturer's recommended capacity.

(12) Dryer screens should be inspected before each dryer start-up.

(13) Air pollution control equipment shall be operated when the air emission source is in operation and shall be checked daily for proper operation. This requirement does not apply on days that the air emission source does not operate.

(14) The internal and external areas including floors, roofs and, decks shall be cleaned as necessary to minimize dust to the atmosphere when the facility is receiving, transferring, or loading out grain.

(15) The yard, ditches, and curbs shall be cleaned as necessary to minimize accumulation of grain, chaff, and grain dust.

(16) Maintain and operate equipment and air pollution control equipment at all times in a manner consistent with good practice for minimizing emissions. Air pollution control equipment includes, but is not limited to, quick closing doors, enclosures, air curtains, wind deflectors, grain oiling equipment, loadout socks and drop-down spouts or sleeves, baghouse and vent filters, and cyclones.

(17) Equipment and air pollution control equipment malfunctions shall be remedied in an expeditious manner so as to minimize the amount and duration of excess emissions.

(18) Routine maintenance of equipment and air pollution control equipment shall be scheduled during periods of process shutdown to the maximum extent possible.

Grain Vacuuming Best Management Practices

F. Grain vacuuming (grain vac) operators shall employ BMP as necessary to reasonably prevent the discharge of visible emissions of fugitive dust beyond the lot line of the property on which the grain vac is being operated. The following are BMP examples of reasonable practices to minimize the generation of fugitive dust emissions from grain vac operations:
(1) For grain loadouts use socks and drop-down spouts or sleeves, or equivalent, which extend at least 6 inches below the sides of the receiving container to minimize grain free-fall distance, except for topping off.

(2) Operate the vac at times when the wind direction and speed would minimize offsite impact.

(3) Vary the speed of the vac operations to minimize dust emissions.

(4) Utilize directional discharge to minimize offsite impact.

(5) Evaluate the use of additional control measures, such as add on controls, if needed to comply with 567 IAC 23.3(2)"c".

Operating Condition Monitoring and Recordkeeping

G. The owner or operator shall record the amount of grain handled (in bushels). Calculate and record monthly and calendar year totals.

H. The owner or operator shall calculate the facility-wide potential PM_{10} emissions in accordance with 567 IAC 22.10(2) annually by January 31 for the previous calendar year to determine compliance with the emission limits in Condition 1.

I. The owner or operator shall record the following information regarding corrective actions taken on emissions equipment and pollution control equipment malfunctions (including grain oiling equipment, if installed) that resulted in excess emissions:
(1) The date and
(2) All corrective actions taken, including maintenance and repair actions, to resolve the issue(s).

J. The owner or operator shall maintain receipts or records showing the date and quantity of on-site deliveries of oil used for grain oiling, if installed. Using the receipts or records, calculate the quantity of oil used for grain oiling annually by January 31 for the previous calendar year.

K. The owner or operator shall record all instances when grain oiling equipment, if installed, is inoperable. Records shall include:
(1) The date,

(2) The length of time that the grain oiling equipment was inoperable, and

(3) The amount of grain that was handled while the grain oiling equipment was inoperable.

L. The owner or operator shall implement a written plan to minimize operation of aeration fans during loading into the storage bins.

M. The owner or operator shall document housekeeping procedures and frequency in accordance with Conditions 5.E.(14) and 5.E.(15).

N. The owner or operator shall maintain the manufacturer's specifications or engineering specifications on grain dryers and receiving pits to demonstrate compliance with Conditions 5.E.(5), 5.E.(8), and 5.E.(10).

O. In accordance with 567 IAC 22.10(3)b(1)1., the owner or operator is allowed to add, remove and modify the emissions units at the facility, or change throughput or operations, without modifying this permit, provided that the owner or operator calculates the PTE for PM_{10} prior to making any additions to, removals of, or modifications to equipment, and only if the facility continues to meet the emissions limits and operating limits (including restrictions on material throughput and hours of operation, if applicable, as specified in the PTE for PM_{10} calculations) specified in Condition 1 and Condition 5 of this permit. The owner or operator shall maintain a current list of all emissions equipment operated at the facility (Potential to Emit calculation spreadsheet or equivalent). The list shall include:
(1) The capacity or throughput of the emissions equipment,

(2) Associated control equipment,

(3) Construction date of the emissions equipment and control equipment, and

(4) All equipment modifications and replacements.

If any proposed change at this facility would cause an exceedance of any emission limit or operating limit in this permit, the owner or operator must first obtain a standard air construction permit.

P. The owner or operator shall maintain a site map, such as a grain license site map or AutoCAD drawing, of all emissions equipment operated at the facility, showing the locations of all emissions equipment.

Q. For those grain elevators subject to the grain vacuuming BMPs, the owner or operator shall record:
(1) The date and time of grain vac operation,

(2) The BMPs used during times of grain vac operation, and

(3) The wind speed and direction.

6. Continuous Monitoring Systems (CMS)

No continuous monitoring systems are required at this time.

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7. Department Review

This permit is issued under the authority of 567 Iowa Administrative Code (IAC) 22.3. The proposed equipment covered by this permit has been evaluated for conformance with the emission limits in this permit; Iowa Code Chapter 455B; Division II; 567 IAC Chapters 21 – 33; and 40 Code of Federal Regulations (CFR) Parts 51, 52, 60, 61, and 63 and has the potential to comply. Unless stated elsewhere in this permit, any control equipment covered by this permit shall operate at all times when the emission unit(s) covered by this permit are in operation.

This permit is issued based on information submitted by the applicant. Any misinformation, false statements or misrepresentations by the applicant or by the applicant's representative(s) shall cause this permit to be void.

No review has been undertaken on the engineering aspects of the equipment or control equipment other than the potential of that equipment for reducing air contaminant emissions. The Department assumes no liability, directly or indirectly, for any loss due to damage to persons or property caused by, resulting from, or arising out of the design, installation, maintenance or operation of the proposed equipment.

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8. Owner and Operator Responsibility

This permit is for the construction and operation of specific emission unit(s), control equipment, and emission point as described in this permit and in the application for this permit. The permit holder, owner, and operator of the facility shall assure that the installation of the equipment listed in this permit conforms to the design in the application (i.e. type, maximum rated capacity, etc.). No person shall construct, install, reconstruct or alter this emission unit(s), control equipment, or emission point without the required amended permit.

Any owner or operator of the specified emission unit(s), control equipment, or emission point, including any person who becomes an owner or operator subsequent to the date on which this permit is issued, is responsible for assuring that the installation, operation, and maintenance of the equipment listed in this permit is in compliance with the provisions of this permit and all other applicable requirements and that adequate operation and maintenance is provided to ensure that no condition of air pollution is created.

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9. Transferability

Unless the equipment is portable, this permit is not transferable from one location to another or from one piece of equipment to another. See Condition 12.A.(2) for notification requirements for relocating portable equipment [567 IAC 22.3(3)"f"].

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10. Construction

A. General Requirements:
It is the owner's responsibility to ensure that construction conforms to the final plans and specifications as submitted.

In permit amendments, all provisions of the original permit remain in full force and effect unless they are specifically changed by the permit amendment. If a proposed project is not timely completed, the owner or operator shall seek a permit amendment in order to revert back to the most recent previous version of the permit. The previous, unchanged permit provisions are included in the amendment for your convenience only and are unappealable.

This permit or amendment shall become void if any one of the following conditions occurs:
(1) The construction or implementation of the proposed project, as it affects the emission point permitted herein, is not initiated within 18 months after the permit issuance date; or
(2) The construction or implementation of the proposed project, as it affects the emission point permitted herein, is not completed within 36 months after the permit issuance date; or
(3) The construction or implementation of the proposed project, as it affects the emission point permitted herein, is not completed within a time period specified elsewhere in this permit.

B. Changes to Plans and Specifications:
The owner or operator shall amend this permit or amendment prior to startup of the equipment if:
(1) Any changes are made to the final plans and specifications submitted for the proposed project; or
(2) This permit becomes void.
(3) The owner or operator is allowed to add or remove emission units from the equipment list specified in Table 11 without amending this permit as long as the facility continues to meet all other requirements in this permit.

Changes to the final plans and specifications shall include changes to plans and specifications for permitted equipment and control equipment and the specified operation thereof.

C. Amended Permits:
The owner or operator may continue to act under the provisions of the previous permit for the affected emission unit(s) and emission point, together with any previous amendment to the permit, until one of the following conditions occurs:
(1) The proposed project authorized by this amendment is completed as it affects the emission unit(s) and emission point permitted herein; or
(2) This current amendment becomes void.

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11. Excess Emissions

An incident of excess emissions other than as listed in 567 IAC 21.7(1) is a violation and may be subject to criminal penalties according to Iowa Code 455B.146A. If excess emissions are occurring, either the control equipment causing the excess shall be repaired in an expeditious manner, or the process generating the emissions shall be shut down within a reasonable period of time, as specified in 567 IAC 21.7.

An incident of excess emissions shall be orally reported by telephone, electronic mail or in person to the appropriate field office within eight hours of, or at the start of, the first working day following the onset of the incident [See Permit Condition 12.B.(1)]. A written report of an incident of excess emissions shall be submitted as a follow-up to all required initial reports within seven days of the onset of the upset condition [See Permit Condition 12.B.(2)].

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12. Notification, Reporting, and Recordkeeping

A. The owner or operator shall furnish the Department the following written notifications:
(1) In accordance with 567 IAC 22.3(3)"b", dates of intended startup, start of construction, and actual equipment startup. All notifications required by 567 IAC 22.3(3)"b" shall be submitted in writing within 30 days following the applicable date and include the information required by 567 IAC 22.3(3)"b".
(2) In accordance with 567 IAC 22.3(3)"f", when portable equipment for which a permit has been issued is to be transferred from one location to another, the Department shall be notified:
a. At least 14 days before equipment relocation if the equipment will be located in a nonattainment area for the National Ambient Air Quality Standards (NAAQS) or a maintenance area for the NAAQS.
b. At least 7 days before equipment relocation.
(3) In accordance with 567 IAC 22.3(8), a new owner shall notify the Department of the transfer of equipment ownership within 30 days of the occurrence. The notification shall include the following information:
- The date of ownership change; the name, address, and telephone number of the responsible official, the contact person, and the owner of the equipment both before and after the ownership change; and the construction permit number(s) of the equipment changing ownership.

(4) Unless specified, in accordance with a federal regulation, the owner or the owner's authorized agent shall notify the Department in writing not less than 30 days before a required test or performance evaluation of a continuous emission monitor [567 IAC 21.10(7)]. The notification shall include:
- The time; the place; the name of the person who will conduct the tests; and other information as required by the Department.

If the owner or operator does not provide timely notice to the Department, the Department shall not consider the test results or performance evaluation results to be a valid demonstration of compliance with the applicable rules or permit conditions. Upon written request, the Department may allow a notification period of less than 30 days.

B. The owner or operator shall furnish the Department with the following reports:
(1) In accordance with 567 IAC 21.7(2), an incident of excess emissions as defined in 567 IAC 21.1 shall be reported within eight hours or at the start of the first working day following the onset of the incident. The report may be made by electronic mail, in person or by telephone.
(2) In accordance with 567 IAC 21.7(3), a written report of an incident of excess emissions as defined in 567 IAC 21.1 shall be submitted as a follow-up to all required initial reports to the Department within seven days of the onset of the upset condition.
(3) Operation of this emission unit(s) or control equipment outside of those operating parameters specified in Permit Condition 5 in accordance to the schedule set forth in 567 IAC 21.7.
(4) In accordance with 567 IAC 21.10(6), the owner or operator of any facility required to install a continuous monitoring system or systems shall provide quarterly reports to the Director, no later than 30 calendar days following the end of the calendar quarter, on forms provided by the Director.
(5) In accordance with 567 IAC 21.10(7), a written compliance demonstration report for each compliance testing event, whether successful or not, postmarked no later than six weeks after the completion of the test period unless other regulations provide for other notification requirements. In that case, the more stringent reporting requirement shall be met.

C. All data, records, reports, documentation, construction plans, and calculations required under this permit shall be available at the plant during normal business hours for inspection and copying by federal, state, or local air pollution regulatory agencies and their authorized representatives, for a minimum of two (2) years from the date of recording unless otherwise required by another applicable law (i.e. NSPS, NESHAP, etc.).

D. The owner or operator shall submit an updated equipment list to the Air Quality Bureau Construction Permit Supervisor at the address listed in Condition 12.E. within 30 days of the change to the equipment list.

E. Information regarding this permit should be sent to the attention of the following individuals based on the type of information being submitted: change in ownership (Air Quality Bureau Records Center), permit correspondence including equipment list updates (Construction Permit Supervisor), stack testing correspondence (Stack Test Coordinator), and reports and notifications (Compliance Unit Supervisor and DNR Field Office). The addresses are:

Air Quality Bureau
Iowa Department of Natural Resources
6200 Park Ave, Ste. 200
Des Moines, IA 50321
Telephone: (515) 725-8200
Fax: (515) 725-8201

DNR Field Office {FO #}
{DNR FO ADDRESS}
{CITY}, IA {ZIP}
Telephone:
Fax:

13. Appeal Rights

All conditions within an original permit may be appealed, subject to the appeal rights set forth in 561 IAC Chapter 7. Amended conditions within a permit amendment may be appealed, subject to the appeal rights set forth in 561 IAC Chapter 7. In permit amendments, all provisions of the original permit remain in full force and effect unless they are specifically changed by the permit amendment. The previous, unchanged permit provisions are included in the amendment for your convenience only and are unappealable.

14. Permit History

Table 10 – Permit History

Permit No.	Project No.	Description	Date	Stack Testing

Table 11 - Equipment List

NOTE: In accordance with Condition 10.B.(3), the owner or operator is allowed to add or remove emission units from this equipment list without amending this permit as long as the facility continues to meet all other requirements in this permit. The owner or operator shall submit updated equipment lists to the Air Quality Bureau Construction Permit Supervisor as specified in Condition 12.D.

Production Equipment Type	Production Equipment Make and Model	Production Equipment Serial Number or Company ID	Maximum Rated Capacity (MRC)	Associated Control Equipment Serial Number or Company ID	Construction Date

END OF PERMIT