



Linn County Public Health Air Quality Division
Air Quality Construction Permit for a Concrete Batch Plant

Table with 5 columns: Permit No., Project No., Description, Date, Testing. Includes a 'Department Use Only' box and a signature line for the Air Pollution Control Officer.

Permit Holder

Company: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Responsible Party: \_\_\_\_\_

Form fields for contact information: (name), (title), (street), (city, state, zip), (telephone), (e-mail address)

Permitted Equipment

Equipment Location or Staging Area: \_\_\_\_\_ (street)

\_\_\_\_\_ (city, state, zip)

Is the Equipment Portable? [ ] Yes [ ] No

IDNR Plant Number (if known): \_\_\_\_\_

## TYPE OF EQUIPMENT BEING PERMITTED

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This permit is only applicable to a "concrete batch plant"<sup>1</sup> not otherwise excluded or in a prohibited location.

<sup>1</sup> "Concrete batch plant," for the purposes of this permit, means any stationary or portable facility for the production of Portland concrete<sup>2</sup>, including all aggregate, cementitious material, Portland cement, and fly ash or slag mixing transfer and storage including hopper loading, mixer or truck loading, silo loading and transferring, as well as boilers, power sources (such as generators), and petroleum storage tanks.

<sup>2</sup> "Portland concrete" means a construction material consisting of aggregate, Portland cement, water and other materials mixed that undergo a hydration process binding the aggregate into a single mass. It is used in the construction of highways, streets, homes, and commercial buildings and for many other related projects.

### Exclusions

The following plants shall not be covered under this permit:

- A. Any concrete batch plant already subject to an existing air quality construction permit, other than a permit by rule under this subrule, or subject to an air quality operating permit is not eligible for coverage under this permit by rule unless those permits are revoked concurrently with the start of coverage under this permit by rule for the facility.
- B. Any plant subject to LCCO Sec. 10-62(c) (emission standards for hazardous air pollutants for source categories), rule 33.3 (special requirements for major stationary sources located in areas designated attainment or unclassified (PSD)), or rule 22.5(455B) (special requirements for nonattainment areas) is not eligible for coverage under this permit by rule.

### Prohibited Locations

The following plants shall not be covered under this permit:

- C. Any concrete batch plant that is located on the same property where emission sources are covered by an air quality construction permit is not eligible for coverage under this permit by rule.
- D. A concrete batch plant must maintain a distance of 1,000 feet from another concrete batch plant, any aggregate processing plant, or any hot mix asphalt facility.

There are four types of Concrete Batch plants that can be permitted using this template. Please select the type of plant that is being permitted from the list below and follow the general requirements and specific operating limits for that type of plant from Condition 5 of this permit.

#### Dry Batch Plants (Truck Mix)

Control Equipment on Truck Loading	Operating Limits and Requirements
<input type="checkbox"/> Enclosure Only <sup>1</sup>	General Requirements and Condition 5a
<input type="checkbox"/> Baghouse (Stack Height between 20 feet and 37 feet) <sup>2</sup>	General Requirements and Condition 5b
<input type="checkbox"/> Baghouse (Stack Height greater than 37 feet) <sup>2</sup>	General Requirements and Condition 5c

#### Wet Batch Plants (Central Mix)

Control Equipment on Truck Loading	Operating Limits and Requirements
<input type="checkbox"/> Enclosure Only <sup>1</sup>	General Requirements and Condition 5d
<input type="checkbox"/> Baghouse	General Requirements and Condition 5e

<sup>1</sup> A concrete batch plant that does not have a baghouse on the truck loadout or mixer loading point must install an enclosure meeting the requirements in Condition 5 to qualify for a permit using the general permit template.

<sup>2</sup> If a facility has a baghouse with a stack between 20 feet and 37 feet, the stack can be raised to 37 feet or higher and a facility can comply with the requirements of Condition 5c. If the facility does not choose to raise the stack, they can comply with the requirements of Condition 5b.

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**PERMITTEE CERTIFICATION**

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 certify that this permit, as drafted, is for (and only for) a "concrete batch plant" not otherwise "excluded" as noted above. 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.**

\_\_\_\_\_ (Responsible Party – Signature)

\_\_\_\_\_ (Title) \_\_\_\_\_ (Date)



# PERMIT CONDITIONS

## 1. 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:

Pollutant	lb/hr <sup>1</sup>	tons/yr <sup>2</sup>	Other Limits	Reference/Basis
Particulate Matter (PM) – State	NA	NA	0.1 gr/dscf <sup>3</sup>	LCCO Sec. 10-62(a)
	NA	NA	0.6 lb/MMBtu <sup>4</sup>	LCCO Sec. 10-61(b)(2)
Opacity	NA	NA	20% <sup>5</sup>	LCCO Sec. 10-60(a)
	NA	NA	No VE <sup>6</sup>	LCCO Sec. 10-58(e)(2)
Sulfur Dioxide (SO <sub>2</sub> )	NA	NA	1.5 lb/MMBtu <sup>7</sup>	LCCO Sec. 10-65(1)"b"
	NA	NA	500 ppm <sub>v</sub> <sup>8</sup>	LCCO Sec. 10-65(2)

<sup>1</sup> The emission limit is expressed as the average of three (3) runs.

<sup>2</sup> The emission limit is based on a twelve (12) month rolling total.

<sup>3</sup> This standard applies to all emission units from the concrete batch plant except those units used for indirect heating or power generation.

<sup>4</sup> This standard applies to those emission units used for indirect heating.

<sup>5</sup> An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, Linn County may require additional proof to demonstrate compliance (e.g., stack testing).

<sup>6</sup> The facility 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. A list of reasonable precautions is detailed in Condition 5 of this permit.

<sup>7</sup> This standard applies to the emissions of sulfur dioxide from the use of liquid fuels.

<sup>8</sup> This standard applies to all other processes, other than from the use of liquid fuels, that are capable of emitting sulfur dioxide.

## 2. Compliance Demonstration(s)

### Compliance Demonstration Table

Pollutant	Compliance Methodology	Frequency	Test Run Time	Test Method
PM – State	None	NA	1 hour	40 CFR 60, Appendix A, Method 5 40 CFR 51, Appendix M, Method 202
Opacity	None	NA	1 hour	40 CFR 60, Appendix A, Method 9
SO <sub>2</sub>	None	NA	1 hour	40 CFR 60, Appendix A, Method 6C

**If an initial stack test is specified in the "Compliance Demonstration Table,"** the owner or the owner's authorized agent shall demonstrate compliance with the emission limitations contained in Condition 1 within the applicable time period specified below:

- Within sixty (60) days after achieving the maximum production rate and no later than one hundred eighty (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 ninety (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 "Compliance Demonstration Table,"** the owner or the owner's authorized agent shall demonstrate compliance with the emission limitations contained in Condition 1 as specified in the "Compliance Demonstration 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 Demonstration Table" unless another testing methodology is approved by the Department prior to testing.

## **2. Compliance Demonstration(s) (Continued)**

Each emissions compliance test must be approved by the Department. Unless otherwise specified by the Department, each test shall consist of three (3) separate runs. The arithmetic mean of three (3) acceptable test runs shall apply for compliance, unless otherwise indicated by the Department.

Per LCCO Sec. 10-70(e)(2), at the Department's request, a pretest meeting shall be held not later than five (5) days before the owner or operator conducts the compliance demonstration. A testing protocol shall be submitted to the Department no later than fifteen (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. A representative of the Department shall be allowed to witness the test(s). 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 at its maximum continuous output as rated by the equipment manufacturer, or the rate specified by the owner as the maximum production rate at which this unit(s) will be operated. In cases where compliance is to be demonstrated at less than the maximum continuous output as rated by the manufacturer, and it is the owner's intent to limit the capacity to that rating, the owner may submit evidence to the Department that this unit(s) has been physically altered so that capacity cannot be exceeded, or the Department may require additional testing, continuous monitoring, reports of operating levels, or any other information deemed necessary by the Department to determine whether this unit(s) is in compliance.

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## **3. Emission Point Characteristics**

The number of emission units at the facility and the stack parameters of the emission points shall conform to the following list.

### **Maximum Number of Emission Units**

- A. A maximum of six (6) silos storing concrete or cement supplement shall be located at the plant.
- B. Any number of elevated aggregate bins; only one (1) bin may be filled at any one time.
- C. Any number of aggregate load-in hoppers and conveyors; only one (1) load-in hopper and conveyor may be used to transport aggregate or stand to the elevated bins at any one time or only one (1) front-end loader may be used to load multiple conveyors at any one time.
- D. A maximum of either one (1) truck loadout point for dry batch plants or one (1) mixer for wet batch plants shall be located at any plant.
- E. A maximum of one (1) cement weigh hopper or weigh batcher.
- F. A maximum of one (1) aggregate weigh hopper.
- G. A maximum of one (1) boiler may be located at the plant. The boiler shall have a maximum heat input rating of 10 million BTU per hour or less and shall be limited to using either natural gas or propane.
- H. A maximum of one (1) electric generator. The generator may be of any size but shall be limited to using diesel fuel.

### **Emission Control and Stack Requirements**

- I. Emissions from each cement or cement supplement silo shall be controlled by a baghouse. Minimum stack height for any cement or cement supplement silo shall be 37 feet.
- J. The minimum stack height of the baghouse on truck loadout shall be at least 20 feet above grade if complying with the requirements of Condition 5b, or 37 feet above grade if complying with the requirements of Condition 5c.
- K. The minimum stack height of the baghouse on the mixer loading shall be at least 37 feet above grade if complying with the requirements of Condition 14e.
- L. The stack heights of the boiler and generator shall be a minimum of 15 feet above grade and the stack(s) shall be vertical, unobstructed.
- M. The stacks from the silos, mixer, and truck loadout may be of any orientation, including vertical unobstructed, vertical obstructed, horizontal, or downward.

It shall be the owners responsibility to ensure that construction conforms to the emission point characteristics stated above. If it is determined that any of the emission point characteristics are different than stated above, the owner must notify the Department and obtain a permit amendment, if required. A concrete batch plant not meeting any of the requirements described above shall apply for a permit to construct as outlined in LCCO Sec. 10-58(b)

#### 4. Federal Standards

A. New Source Performance Standards (NSPS):

The following subparts **may** apply to the emission unit(s) in this permit (check the box next to the NSPS subparts that apply):

Applies	Subpart	Title	Type	Local Reference (LCCO Sec.)	Federal Reference (40 CFR)
<input type="checkbox"/>	III	Stationary Compression Ignition Internal Combustion Engines	Footnote 1	10-62(b)(77)	§60.4200 – §60.4219
<input type="checkbox"/>	JJJ	Stationary Spark Ignition Internal Combustion Engines	Footnote 2	10-62(b)(78)	§60.4230 – §60.4248
<input type="checkbox"/>	K	Storage Vessels for Petroleum Liquids (6/11/73 – 5/18/78)	Footnote 3	10-62(b)(28)	§60.110 – §60.113
<input type="checkbox"/>	Ka	Storage Vessels for Petroleum Liquids (5/18/78 – 7/23/84)	Footnote 4	10-62(b)(29)	§60.110a – §60.115a
<input type="checkbox"/>	Kb	Storage Vessels for Petroleum Liquids (7/23/84 – Present)	Footnote 5	10-62(b)(56)	§60.110b – §60.117b

<sup>1</sup> The following compression ignition (diesel) generators are subject to NSPS Subpart III of 40 CFR Part 60 (*Standards of Performance for Stationary Compression Ignition Internal Combustion Engines*): (1) Generators ordered after July 11, 2005 and manufactured after April 1, 2006; (2) Generators modified or reconstructed after July 11, 2005; and (3) Model year 2007 and later generators with a displacement less than 30 liters per cylinder.

<sup>2</sup> The following spark ignition (gasoline and natural gas) generators are subject to NSPS Subpart JJJ of 40 CFR Part 60 (*Standards of Performance for Stationary Spark Ignition Internal Combustion Engines*): (1) Generators with a maximum power  $\geq 500$  hp manufactured on or after July 1, 2007 (except lean burn engines with a maximum power  $\geq 500$  hp and  $\leq 1,350$  hp); (2) Lean burn generators with a maximum power  $\geq 500$  hp and  $\leq 1,350$  hp manufactured on or after January 1, 2008; (3) Generators with a maximum power  $< 500$  hp on or after July 1, 2008; (4) Emergency generators with a maximum power  $\geq 25$  hp; and (5) Generators modified or reconstructed after June 12, 2006.

<sup>3</sup> Applies to storage tanks constructed, reconstructed, or modified after June 11, 1973 and prior to May 19, 1978 and have a minimum storage capacity of 40,000 gallons.

<sup>4</sup> Applies to storage tanks constructed, reconstructed, or modified after May 18, 1978 and prior to July 23, 1984 and have a minimum storage capacity of 40,000 gallons.

<sup>5</sup> Applies to storage tanks constructed, reconstructed, or modified after July 23, 1984 and have a minimum storage capacity of 19,813 gallons storing a liquid with a maximum true vapor pressure greater than or equal to 15 kPa or if the storage tank is greater than 39,890 gallons storing a liquid with a maximum true vapor pressure greater than or equal to 3.5 kPa.

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.

A. National Emission Standards for Hazardous Air Pollutants (NESHAP):

The following subparts **may** apply to the emission unit(s) in this permit (check the box next to the NESHAP subparts that apply):

EU ID	Subpart	Title	Type	Local Reference (LCCO Sec.)	Federal Reference (40 CFR)
<input type="checkbox"/>	ZZZZ	Stationary Reciprocating Internal Combustion Engines	Footnote 6	10-62(d)(104)	§63.6580 – §63.6675

<sup>6</sup> All stationary generators are subject to NESHAP Subpart ZZZZ of 40 CFR Part 63 (*National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines*); however, generators subject to NSPS Subpart III or JJJ may comply with the requirements by complying with the applicable NSPS requirements.

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 a federal regulation, all records as required by this permit shall be kept on-site for a minimum of three (3) 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:

### General Requirements for all Concrete Batch Plants:

- A. The generator is limited to firing either #1 or #2 diesel fuel with a maximum sulfur content of 0.5% (by weight), per LCCO Sec. 10-65(1)"c". The owner or operator shall monitor and record the number of cubic yards of concrete produced from the plant each day.
- B. The amount of diesel fuel fired in the generator shall not exceed 35 gallons per hour for generators equal to or less than 600 horsepower and 50 gallons per hour for generators greater than 600 horsepower. The owner or operator shall keep a record of the horsepower rating of the diesel generator and the maximum hourly fuel capacity of the generator.
- C. The diesel generator shall be limited to operating for no more than 4,850 hours per rolling twelve (12) month period. The owner or operator shall monitor and record the total amount of time the generator operates (in hours) and calculate and record a rolling twelve (12) month total.
- D. The maximum heat input of the boiler shall not exceed 10 MMBtu/hr and the fuel is limited to either natural gas or propane. The owner or operator shall keep a record of the maximum heat input rating of the boiler and the type of fuel fired in the boiler.
- E. The owner or operator shall maintain the baghouse(s) according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of all inspections and any maintenance action resulting from the inspection of the baghouse(s).
- F. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance and record the corrective action taken.
- G. All concrete batch plants covered under this permit are required to employ the best management practices outlined in Attachment A of this permit to reasonably prevent the discharge of fugitive dust from the facility.

### General Requirements for Diesel Generators Subject to NSPS Subpart IIII:

- H. Pursuant to 40 CFR §60.4204, the owner or operator of a generator subject to NSPS Subpart IIII shall follow the emission standards for the type and size of diesel generator installed.
- I. Beginning October 1, 2007, diesel fuel fired in a generator subject to NSPS Subpart IIII shall be limited to a maximum sulfur content of 500 ppm and a minimum cetane index of 40 or a maximum aromatic content of 30 percent (by volume), per 40 CFR §80.510(a).
- J. Beginning October 1, 2010, diesel fuel fired in a generator subject to NSPS Subpart IIII and with a displacement less than 30 liters per cylinder shall be limited to a maximum sulfur content of 15 ppm and a minimum cetane index of 40 or a maximum aromatic content of 30 percent (by volume), per 40 CFR §80.510(b).
- K. Pursuant to 40 CFR §60.4207, owners and operators of pre-2011 model year diesel generators subject to NSPS Subpart IIII may petition the Administrator for approval to use remaining non-compliant fuel that does not meet the fuel requirements of 40 CFR §80.510(a) or (b) beyond the dates required, for the purpose of using up existing fuel inventories.
- L. The owner or operator of a generator subject to NSPS Subpart IIII shall follow the monitoring requirements of 40 CFR §60.4209.
- M. The owner or operator of a generator subject to NSPS Subpart IIII shall follow the notification, reporting, and recordkeeping requirements of 40 CFR §60.4214.
- N. The owner or operator of a generator subject to NSPS Subpart IIII shall follow the compliance requirements of 40 CFR §60.4211.



**5a. Requirements for Dry Batch (Truck Mix) Facilities without Baghouse Control on Truck Loadouts:**

- O. This type of concrete batch plant shall not produce more than 648 cubic yards of concrete in any calendar day. The owner or operator shall monitor and record the number of cubic yards of concrete produced from the plant each day.
- P. The truck loadout shall be enclosed by either of the following methods:
  - 1. **Back-In Operations** – The truck loadout shall be roofed and permanently enclosed on the three (3) sides not used to enter the loadout area by the mix truck
  - 2. **Drive-Through Operations** – The truck loadout shall be roofed and permanently enclosed on the two (2) sides not used to enter the loadout area by the mix truck. The other two (2) drive-through sides must either be equipped with dust tarps that are lowered each time a truck is filled or with drive-through plastic strips. If a facility uses plastic strips, they must be replaced periodically when they become warped or damaged or are otherwise no providing an effective enclosure.

**5b. Requirements for Dry Batch (Truck Mix) Facilities with Baghouse Control on Truck Loadout and Stack Height between 20 Feet Above Grade and 37 Feet Above Grade:**

- Q. This type of concrete batch plant shall not produce more than 2,900 cubic yards of concrete on any calendar day. The owner or operator shall monitor and record the number of cubic yards of concrete produced from the plant each day.

**5c. Requirements for Dry Batch (Truck Mix) Facilities with Baghouse Control on Truck Loadout and Stack Height of 37 Feet Above Grade or Higher:**

- R. This type of concrete batch plant shall not produce more than 4,260 cubic yards of concrete on any calendar day. The owner or operator shall monitor and record the number of cubic yards of concrete produced from the plant each day.

**5d. Requirements for Wet Batch (Central Mix) Facilities without Baghouse Control on Mixer Loading:**

- S. This type of concrete batch plant shall not produce more than 3,240 cubic yards of concrete on any calendar day. The owner or operator shall monitor and record the number of cubic yards of concrete produced from the plant each day.
- T. The mixer loading point shall either be enclosed in a process building or other type of permanent enclosure.

**5e. Requirements for Wet Batch (Central Mix) Facilities with Baghouse Control on Mixer Loading:**

- U. This type of concrete batch plant shall not produce more than 5,790 cubic yards of concrete on any calendar day. The owner or operator shall monitor and record the number of cubic yards of concrete produced from the plant each day.

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**6. Continuous Emission Monitoring Systems (CEMS)**

Continuous emission monitoring is not required by this permit at this time.

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**7. Department Review**

This permit is issued under the authority of Linn County Code of Ordinances (LCCO) Sec. 10-58. The proposed equipment has been evaluated for conformance with LCCO Chapter 10 Article III, the Iowa Code Chapter 455B; 567 IAC Chapters 20 – 35; and 40 Code of Federal Regulations (CFR) Parts 51, 52, 60, 61, and 63 and has the potential to comply. 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 (LCCO Sec. 10-58(g)(1)).

Additionally, this permit is not transferable from one owner to another. See Condition 12.A.(3) for notification requirements for ownership changes (LCCO Sec. 10-58(g)(2)).

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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.

The permit or amendment shall become void if the construction or implementation of the proposed project, as it affects each emission point permitted herein, is not completed within ninety (90) days of the expiration date. If, after this time, a permit to operate has not been obtained, the said equipment shall be shut down and not operated until such time as the Air Pollution Control Officer grants a permit to operate the equipment. Extensions of the ninety (90) day adjustment period may be granted by the Air Pollution Control Officer for good cause.

### 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.

Changes to the final plans and specification 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

Per LCCO Sec. 10-67(a)(1), excess emissions during a period of startup, shutdown, or cleaning of control equipment are not a violation of the emission standard if it is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions except when another regulation applicable to the unit or process provides otherwise. Cleaning of control equipment, which does not require the shutdown of process equipment, shall be limited to one (1) six-minute period per one (1) hour period.

An incident of excess emissions other than the above is a violation and may be subject to criminal penalties according to LCCO Sec. 10-77(8). 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 shutdown within a reasonable period of time, as specified in LCCO Sec. 10-67.

An incident of excess emissions shall be orally reported by telephone, electronic mail or in person within eight (8) 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 (7) 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) Start of Construction Notice / Equipment Start-up Notice
    - (a) The date construction or modification is initiated postmarked within thirty (30) days following initiation of construction or modification.
    - (b) The actual date of startup, postmarked within fifteen (15) days following the start of operation.
  - (2) Per LCCO Sec. 10-58(e) 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 fourteen (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 seven (7) days before equipment relocation.
  - (3) Per LCCO Sec. 10-58(e)(3), a new owner shall notify the Department of the transfer of equipment ownership within thirty (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, the owner of the equipment both before and after the ownership change; the permit to operate number(s) of the equipment changing ownership; and permit to operate application form(s) for each piece of equipment and applicable permit filing fees pursuant to LCCO Sec. 10-59(d).
  - (4) Unless specified per a federal regulation, the owner or the owner's authorized agent shall notify the Department in writing not less than fifteen (15) days before a required test or performance evaluation of a continuous emission monitor [LCCO Sec. 10-70(e)]. 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 thirty fifteen (15) days.
- B. The owner or operator shall furnish the Department with the following reports:
- (1) Per LCCO Sec. 10-67(a)(2), an incident of excess emissions as defined in LCCO Sec. 10-55 shall be reported within eight (8) 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) Per LCCO Sec. 10-67(a)(3), a written report of an incident of excess emissions as defined in LCCO Sec. 10-55 shall be submitted as a follow-up to all required initial reports to the Department within seven (7) 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 LCCO Sec. 10-67.

## 12. Notification, Reporting, and Recordkeeping (Continued)

- (4) Per LCCO Sec. 10-70(d), 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 thirty (30) calendar days following the end of the calendar quarter, on forms provided by the Director.
  - (5) Per LCCO Sec. 10-70(e)(2), a written compliance demonstration report for each compliance testing event, whether successful or not, postmarked not later than six (6) 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 three (3) years from the date of recording unless otherwise required by another applicable law (i.e. NSPS, NESHAP, etc.)
- D. Information regarding this permit including change in ownership and permit correspondence should be sent to the following address:

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Air Quality Division  
Linn County Public Health  
1020 6<sup>th</sup> Street SE  
Cedar Rapids, IA 52401  
Telephone: (319) 892-6000; Fax: (319) 892-6099

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- E. Information regarding this permit including stack testing correspondence, and reports and notifications should be sent to the address listed in D. or the following email address:

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[ComplianceReporting-Air@linncounty.org](mailto:ComplianceReporting-Air@linncounty.org)

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# **ATTACHMENT A**

## **BEST MANAGEMENT PRACTICES FOR CONCRETE BATCH PLANTS**

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### **A.1. Best management Practices (BMP)**

All concrete batch plants covered under this permit are required to employ best management practices (BMP) to reasonably prevent the discharge of fugitive dust from all process equipment, storage piles, and haul roads beyond the lot line of the property on which it is located. These BMP are examples of reasonable practices to minimize the generation of fugitive dust emissions.

#### **BMP on process equipment include, but are not limited to:**

- Limit drop heights of materials being transferred to or from any conveyor.
- Enclose all free falling transfer points from conveyor to stockpiles with chute(s).
- Totally enclose all conveyors.
- Provide scrapers at the turning points of all conveyors to prevent dust collection on the belt surface.
- If using unenclosed elevated aggregate storage bins, do not load aggregate within two (2) feet of the top of the bin walls.

#### **BMP on haul roads include, but are not limited to:**

- Limiting truck speed on facility property.
- Watering and/or treating unpaved roadways with chemical dust suppressants.
- Watering and/or sweeping paved roadways.
- Immediately cleaning up or dampening all material spills on the roadways.

#### **BMP on storage piles include, but are not limited to:**

- Covering storage piles.
  - Watering storage piles.
  - Partially enclosing above-ground storage piles within three-sided enclosures.
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**END OF PERMIT**