

AIR POLLUTION CONTROL
MINOR SOURCE GENERAL
PERMIT TO OPERATE

Pursuant to Chapter 23-25 of the North Dakota Century Code, and the Air Pollution Control Rules of the State of North Dakota, and in reliance on statements and representations heretofore made by the owner designated below, a Permit to Operate is hereby issued authorizing such owner to operate the emission unit(s) at the location designated below. This Permit to Operate is subject to all applicable rules and orders now or hereafter in effect of the North Dakota Department of Health and to any conditions specified below:

<p>1. Permittee:</p> <p>A. Name: SAMPLE Grain Elevator</p> <p>B. Address: SAMPLE SAMPLE, ND 585XX</p>	<p>A. Permit Number: GPG13XXX Renewal No.: 0 Revision No.: 0</p> <p>B. Permit Description: True Minor Source: NDAC 33-15-14-03</p>
<p>3. Source Name & Location:</p> <p>A. Name: SAMPLE Grain Elevator</p> <p>B. Location: SAMPLE County</p>	<p>4. Source Type: Grain Handling Facility</p>
<p>5. Expiration Date: January 17, 2018</p>	

6. **Description:** The permittee operates a grain elevator in North Dakota. The facility is primarily engaged in buying, storing, and/or marketing of grain and other agricultural products. Emissions from this facility may originate from receiving, cleaning, drying, moving product within the facility, and shipment of product.

7. **Emission Unit(s):**

The emission units at the installation may include the following:

Receiving Pit(s)	Distributor(s)
Back Pit (s)	Leg(s)
Dryer(s)	Storage Bin(s)
Cleaner(s)	Rail Loadout
Conveyor(s)	Truck Loadout

8. **Applicable State Rules:**

Chapter 33-15-01	-	General Provisions
Chapter 33-15-02	-	Ambient Air Quality Standards
Chapter 33-15-03	-	Restriction of Emission of Visible Air Contaminants
Chapter 33-15-05	-	Emissions of Particulate Matter Restricted
Chapter 33-15-14	-	Designated Air Contaminant Sources, Permit to Construct, Minor Source Permit to Operate, Title V Permit to Operate
Chapter 33-15-16	-	Restriction of Odorous Air Contaminants
Chapter 33-15-17	-	Restriction of Fugitive Emissions

CONDITIONS

9. A. **Emission Limits:** Emission limits from the operation of the major emission unit(s) identified in Item 7 of this Permit to Operate (hereafter referred to as "permit") are as noted below. Minor emission units not listed are subject to the applicable emission limits specified in the North Dakota Air Pollution Control Rules.

Emission Units	Pollutant/Parameter	Emission Limit
All Units	Particulate	9.A.(1)(a)
All Units (Stack Emissions) Fugitive Emissions	Opacity Opacity	9.A.(2) 40%

- 1) Emission Limits:

- a) The emission limit for process rates up to 30 tons/hr shall be determined by the following equation:

$$E = 4.10 p^{0.67}$$

For process rates in excess of 30 tons/hr, the allowable emission limit shall be determined by the following equation:

$$E = 55.0 p^{0.11} - 40$$

Where E = allowable emission limit in lb/hr, and
 p = process weight rate in tons/hr

2) Opacity:

a) The opacity emission limit shall be as follows:

i) Existing Facilities:

40% for facilities which were constructed on or before July 1, 1970.

ii) New Facilities:

20% for facilities for which construction commenced after July 1, 1970.

- B. **Operation of Air Pollution Control Equipment:** The owner/operator shall maintain and operate all air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.
- C. **Fugitive Emissions:** All reasonable precautions shall be taken by the owner/operator to prevent and/or minimize fugitive emissions from the operation of the emission unit(s) identified under Item 7. Fugitive emissions shall comply with the applicable requirements in NDAC 33-15-17.
- D. **Odor Restriction:** The owner/operator shall not discharge into the ambient air any objectionable odorous contaminant which is in excess of the limits established in NDAC 33-15-16.
- E. **Permit to Construct:** No construction, installation or establishment of a new stationary emission unit may be commenced unless the owner/operator has filed for, and received a Permit to Construct. Except as provided in NDAC 33-15-14-02.3, any physical change, or change in the method of operation of a stationary emission unit already existing which increases or may increase the emission rate or increase the ambient concentration of any contaminant for which an ambient air quality standard has been promulgated is considered construction and a Permit to Construct is required.
- F. **Source Operations:** Operations at the facility shall be in accordance with statements, representations, procedures and supporting data contained in the initial application, and any supplemental information or renewal application(s) submitted thereafter. Any operations not listed in this permit are subject to all applicable North Dakota Air Pollution Control Rules.
- G. **Alterations, Modifications or Changes:** Any alteration, repairing, expansion, change in the method of operation, or change of location of the facility which results in the emission of an

additional type or greater amount of air contaminants or which results in an increase in the ambient concentration of any air contaminant, must be reviewed and approved by the Department prior to the start of such alteration, rebuilding, repairing, expansion, change in the method of operation, or change of location.

- H. **Recordkeeping:** The owner/operator shall maintain any compliance monitoring records required by this permit or applicable requirements. The owner/operator shall retain records of all required monitoring data and support information for a period of at least five years from the date of the monitoring sample, measurement, report or application. Support information may include all calibration and maintenance records and all original strip-chart recordings/computer printouts for continuous monitoring instrumentation, and copies of all reports required by this permit.
- I. **Sampling and Testing:** The Department may require the owner/operator to conduct tests to determine the emission of air contaminants from the emission unit(s). The Department may observe the testing and may specify testing methods to be used. A signed copy of the test results shall be furnished to the Department within 60 days of the test date. The basis for this condition NDAC 33-15-01-12 which is incorporated into this permit by reference. To facilitate preparing for and conducting such tests, and to facilitate reporting the test results to the Department, the owner/operator shall follow the procedures and formats in the Department's Emission Testing Guideline.
- J. **Nuisance or Danger:** This permit shall in no way authorize the maintenance of a nuisance or a danger to public health or safety.
- K. **Malfunction Notification:** The owner/operator shall notify the Department as soon as possible during normal working hours of any malfunction which can be expected to last longer than twenty-four hours and can cause the emission of air contaminants in violation of applicable rules and regulations. Immediate notification is required for any malfunction that would threaten health or welfare, or pose an imminent danger.
- L. **Change of Ownership:** This permit may not be transferred without prior approval from the Department.
- M. **Right of Entry:** Any duly authorized officer, employee or agent of the North Dakota Department of Health may enter and inspect any property, premise or place at which the facility listed in Item 3 of this permit is located at any time for the purpose of ascertaining the state of compliance with the North Dakota Air Pollution Control Rules. The Department may conduct tests and take samples of air contaminants, fuel, processing material, and other materials which affect or may affect emissions of air contaminants from any emission unit. The Department shall have the right to access and copy any records required by the Department's rules and to inspect monitoring equipment located on the premises.
- N. **Other Regulations:** The owner/operator of the emission unit(s) described in Item 7 of this permit shall comply with all State and Federal environmental laws and rules. In addition, the

owner/operator shall comply with all local burning, fire, zoning, and other applicable ordinances, codes, rules and regulations.

- O. **Permit Issuance:** This permit is issued in reliance upon the accuracy and completeness of the information set forth in the application. The conditions of this permit herein become, upon the effective date of this permit, enforceable by the Department pursuant to any remedies it now has, or may in the future have, under the North Dakota Air Pollution Control Law, NDCC Chapter 23-25. Each and every condition of this permit is a material part thereof, and is not severable.

FOR THE NORTH DAKOTA
DEPARTMENT OF HEALTH

Date: January 17, 2013

By _____
Terry L. O'Clair, P.E.,
Director
Division of Air Quality