

AIR POLLUTION CONTROL PERMIT TO CONSTRUCT

Permittee: Name: Cargill, Inc. Address: 250 Seventh Avenue NE West Fargo, ND 58078	Permit Number: ACP-18261 v 1.0 Permit Description: Synthetic Minor Permit to Construct Current Title V and PSD Major Source
Source Name & Location: Cargill Oilseeds Processing 250 Seventh Avenue NE West Fargo, North Dakota 58078 Cass County	Source Type: Seed; Oil
Date of Application: <p style="text-align: center;">N/A</p>	

Pursuant to Chapter 23.1-06 of the North Dakota Century Code (NDCC), and the Air Pollution Control Rules of the State of North Dakota (Article 33.1-15 of the North Dakota Administrative Code or NDAC), and in reliance on statements and representations heretofore made by the permittee (i.e., owner) designated above, a Permit to Construct is hereby issued authorizing such permittee to construct and initially operate the source unit(s) at the location designated above. This Permit to Construct is subject to all applicable rules and orders now or hereafter in effect of the North Dakota Department of Environmental Quality (Department) and to any conditions specified below:

Date: _____

 James L. Semerad
 Director
 Division of Air Quality

1. Project and Facility Emissions Units:

This Permit to Construct does not affect the operation of the facility emissions units, does not allow for the construction of any new emissions units at the facility, and does not allow for the modification or reconstruction of any existing emissions units.

2. Applicable Standards, Restrictions and Miscellaneous Conditions:

This Permit to Construct does not affect any existing applicable standards, does not impose any new permit restrictions or miscellaneous conditions, and does not modify, remove, or add any BACT limits.

3. Emission Unit Limits:

Emission limits from the operation of the source unit(s) identified in Table 3-1 of this Permit to Construct (hereafter referred to as "permit") are as follows. Source units not listed are subject to the applicable emission limits specified in the North Dakota Air Pollution Control Rules.

Upon issuance of this permit, the emission limits set forth in all previous Air Permit to Construct Nos., including but not limited to: PTC02003, ACP-17206 v1.0 (PTC09006), ACP-17381 v1.0 (PTC11084), ACP-17546 v1.0 (PTC13050), ACP-18102 v1.0 (PTC18020), and ACP-17876 v1.0 (PTC18020) are rescinded.¹ The emission limits are replaced with the following:

Table 3-1: Permit Emissions Limits

Emission Unit Description	Emission Unit (EU)	Emission Point (EP)	Pollutant / Parameter	Emission Limit	NDAC Applicable Requirement
Gerber Industry Model #75 oilseeds rail/truck receiving Pit #1	1	DC-1	Opacity	20% ^A	33.1-15-03-02
Gerber Industry Model #75 oilseeds truck receiving Pit #2	2	DC-2	Opacity	20% ^A	33.1-15-03-02
Weigh hopper	3	DC-5	Opacity	20% ^A	33.1-15-03-02
Four receiving legs	4	DC-6	Opacity	20% ^A	33.1-15-03-02
Two seed scalpings, shakers A & B	5 & 5A	DC-3	Opacity	20% ^A	33.1-15-03-02

¹ Limits are rescinded in entirety with exception to the following, which remain in place and unchanged: “Plant-wide hexane bubble” from ACP-17381 v1.0 (PTC11084), “Plant-wide LFG usage” from ACP-17206 v1.0 (PTC09006), Foster Wheeler boiler from AOP-28376 v5.0, and International Boiler Works boiler NO_x from PTC02003.

Emission Unit Description	Emission Unit (EU)	Emission Point (EP)	Pollutant / Parameter	Emission Limit	NDAC Applicable Requirement
Two seed cleaners/aspirators A & B	6 & 6A	DC-4	Opacity	20% ^A	33.1-15-03-02
Dryer A leg	7	DC-7	Opacity	20% ^A	33.1-15-03-02
Dryer B leg	8	DC-8	Opacity	20% ^A	33.1-15-03-02
One prep process scale, one seed conveying leg, two scalper/cleaners, 16 decorticators and hulls scale 100	15	DC-9	Opacity	20% ^A	33.1-15-03-02
Two Kice primary aspirators	16	DC-10	Opacity	20% ^A	33.1-15-03-02
Two Kice primary aspirators	17	DC-11	Opacity	20% ^A	33.1-15-03-02
One Kice secondary aspirator	18	DC-12	Opacity	20% ^A	33.1-15-03-02
Two Kice secondary aspirators	19	DC-13	Opacity	20% ^A	33.1-15-03-02
Hulls storage tank	21	DC-25	Opacity	20% ^A	33.1-15-03-02
Conditioner	25	DC-34	Opacity	20% ^A	33.1-15-03-02
Three flakers	26	DC-35	Opacity	20% ^A	33.1-15-03-02
Three expellers	27	DC-36	Opacity	20% ^A	33.1-15-03-02
Dryer cooler, top	30	DC-28	Opacity	20% ^A	33.1-15-03-02
Dryer cooler, middle	31	DC-29	Opacity	20% ^A	33.1-15-03-02
Dryer cooler, bottom	32	DC-30	Opacity	20% ^A	33.1-15-03-02
Conveying/storage of Filtrol	33	DC-17	Opacity	20% ^A	33.1-15-03-02
Conveying/storage of Filter Aid	34	DC-27	Opacity	20% ^A	33.1-15-03-02
Meal conveyor, meal static sifters and four meal grinders	35 through 37	DC-18	Opacity	20% ^A	33.1-15-03-02

Emission Unit Description	Emission Unit (EU)	Emission Point (EP)	Pollutant / Parameter	Emission Limit	NDAC Applicable Requirement
Finished meal conveyor	38	DC-19	Opacity	20% ^A	33.1-15-03-02
Carter Day Model #72 RJ finished meal conveyors	39	DC-22	Opacity	20% ^A	33.1-15-03-02
Finished meal weighing hopper, finished meal rail loadout, and finished meal truck loadout	40 through 42	DC-20	Opacity	20% ^A	33.1-15-03-02
Foster Wheeler boiler	43	B-1	PM/PM ₁₀	4.17 lb/hr	PTC13050
			PM/PM ₁₀ /PM _{2.5}	13.24 tons/year (12-month rolling sum)	PTC13050
			Filterable PM (or TSM ^B)	0.32 lb/10 ⁶ Btu (or 4.0E-03 lb/10 ⁶ Btu heat input)	33.1-15-22-03, Subpart 5D
			NO _x	20.3 lb/hr	PTC
			SO ₂	16.8 lb/hr	PTC/PTO G81005 Amend. 1 (6/11/1981)
			CO	460 ppmv (on a dry basis corrected to 3% oxygen)	33.1-15-22-03, Subpart 5D

Emission Unit Description	Emission Unit (EU)	Emission Point (EP)	Pollutant / Parameter	Emission Limit	NDAC Applicable Requirement
			Hg	0.0000057 lb/10 ⁶ Btu of heat input	33.1-15-22-03, Subpart 5D
			HCl	0.022 lb/10 ⁶ Btu of heat input	33.1-15-22-03, Subpart 5D
			Opacity	20% ^A	33.1-15-03-02
International Boiler Works boiler	44	B-2	NO _x	8.9 lb/hr	PTC02003
			Hg	40 µg/m ³ - Gas 1 subcategory	33.1-15-22-03, Subpart 5D
			Opacity	20% ^A	33.1-15-03-02
Extraction and refining system	48	DC-33	Hexane (VOC)	0.230 gal/ton seeds processed (12-month average)	PTC11084
D.C. feed conveyor	50	NV-50a NV-50b NV-50c NV-50d	Opacity	20% ^A	33.1-15-03-02
Seed storage tank	51	T-51a, b & c	Opacity	20% ^A	33.1-15-03-02
Seed storage tank	52	T-52a, b & c	Opacity	20% ^A	33.1-15-03-02
Deodorizer boiler	54	B-3	Hg	40 µg/m ³ - Gas 1 subcategory	33.1-15-22-03, Subpart 5D
			Opacity	20% ^A	33.1-15-03-02
Plant-wide hexane bubble	Plant-wide	Plant-wide	Hexane	394.2 tons/year (12-month rolling total)	PTC11084

Emission Unit Description	Emission Unit (EU)	Emission Point (EP)	Pollutant / Parameter	Emission Limit	NDAC Applicable Requirement
Plant-wide LFG usage	Plant-wide	Plant-wide	LFG Usage	900 million cubic feet per year (12-month rolling total)	PTC09006

- A 40% opacity is permissible for not more than one six-minute period per hour.
- B Total Selected Metals (TSM) - arsenic, beryllium, cadmium, chromium, lead, manganese, nickel, and selenium.
- C The potential to emit for an emergency stationary reciprocating internal combustion engine (RICE) is based on operating no more hours per year than is allowed by the subpart (40 CFR 63, Subpart ZZZZ) for other than emergency situations. For engines to be considered emergency stationary RICE under the RICE rules, engine operations must comply with the operating hour limits as specified in the applicable subpart. There is no time limit on the use of emergency stationary RICE in emergency situations [40 CFR 63, Subpart ZZZZ, §63.6640(f)]

4. Emission Testing Requirements:

A. Sampling and Testing:

The Department may require the permittee to conduct tests to determine the emission rate of air contaminants from the source. 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 is NDAC 33.1-15-01-12 which is hereby 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 permittee shall follow the procedures and formats in the Department's Emission Testing Guideline.

5. General Conditions (Equipment):

A. Best Management Practices:

At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.

B. Operation of Air Pollution Control Equipment:

The permittee shall maintain and operate all air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.

C. Organic Compound Emissions:

The permittee shall comply with all applicable requirements of NDAC 33.1-15-07 – Control of Organic Compounds Emissions.

D. Air Pollution from Internal Combustion Engines:

The permittee shall comply with all applicable requirements of NDAC 33.1-15-08-01 – Internal Combustion Engine Emissions Restricted.

E. Fugitive Emissions:

The release of fugitive emissions shall comply with the applicable requirements in NDAC 33.1-15-17.

6. General Conditions (Procedural):

A. Source Operations:

Operations at the installation shall be in accordance with statements, representations, procedures and supporting data contained in the initial application, and any supplemental information or application(s) submitted thereafter. Any operations not listed in this permit are subject to all applicable North Dakota Air Pollution Control Rules.

B. Alterations, Modifications, or Changes:

Any alteration, repairing, expansion, or change in the method of operation of the source 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, repairing, expansion or change in the method of operation.

C. Recordkeeping:

The permittee shall maintain any compliance monitoring records required by this permit or applicable requirements. The permittee 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 the permit.

D. Annual Emission Inventory/Annual Production Reports:

The permittee shall submit an annual emission inventory report and/or an annual production report upon Department request, on forms supplied or approved by the Department.

E. Malfunction notification:

The permittee shall notify the Department 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.

F. Nuisance or Danger:

This permit shall in no way authorize the maintenance of a nuisance or a danger to public health or safety.

G. Transfer of Permit to Construct:

The holder of a permit to construct may not transfer such permit without prior approval from the Department.

H. Right of Entry:

Any duly authorized officer, employee or agent of the North Dakota Department of Environmental Quality may enter and inspect any property, premise or place at which the source listed in Condition 1 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 source. 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.

I. Other Regulations:

The permittee of the source unit(s) described in Condition 1 of this permit shall comply with all State and Federal environmental laws and rules. In addition, the permittee shall comply with all local burning, fire, zoning, and other applicable ordinances, codes, rules and regulations.

J. Permit Issuance:

This permit is issued in reliance upon the accuracy and completeness of the information set forth in the application. Notwithstanding the tentative nature of this information, 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 23.1-06.

7. State Enforceable Only Conditions (not Federally enforceable)

A. Odor Restrictions:

The permittee shall not discharge into the ambient air any objectionable odorous air contaminant which is in excess of the limits established in NDAC 33.1-15-16.