



Missouri Department of Natural Resources
Air Pollution Control Program

PART 70

PERMIT TO OPERATE

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to operate the air contaminant source(s) described below, in accordance with the laws, rules, and conditions set forth herein.

Operating Permit Number: OP2011-032
Expiration Date: JUL 17 2016
Installation ID: 021-0060
Project Number: 2006-09-013

Installation Name and Address

Ag Processing, Inc.
P.O. Box 427
St. Joseph, MO 64502
Buchanan County

Parent Company's Name and Address

Ag Processing, Inc.
P.O. Box 2047
Omaha, NE 68103

Installation Description:

Ag Processing, Inc. operates a soybean processing facility in St. Joseph, Missouri. The installation consists of an oil extraction plant, an oil refinery plant and a hydrogen gas plant.

JUL 18 2011

Effective Date

Kyra L Moore
Director or Designee

Department of Natural Resources

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I. Installation Description and Equipment Listing

INSTALLATION DESCRIPTION

Ag Processing, Inc. operates a soybean processing facility in St. Joseph, Missouri. The installation consists of an oil extraction plant, an oil refinery plant and a hydrogen gas plant.

Reported Air Pollutant Emissions, tons per year								
Year	Particulate Matter ≤ Ten Microns (PM-10)	Sulfur Oxides (SO _x)	Nitrogen Oxides (NO _x)	Volatile Organic Compounds (VOC)	Carbon Monoxide (CO)	Lead (Pb)	Hazardous Air Pollutants (HAPs)	Particulate Matter < 2.5 Microns (PM-2.5)
2009	30.20	0.01	1.56	267.02	1.31	--	--	8.42
2008	60.35	0.01	1.82	494.30	1.53	--	--	19.18
2007	75.35	0.01	2.10	417.69	1.76	--	--	26.52
2006	69.84	0.01	2.00	316.63	1.68	--	--	25.17
2005	68.43	0.03	4.30	311.34	3.61	--	--	23.02

EMISSION UNITS WITH LIMITATIONS

The following list provides a description of the equipment at this installation that emits air pollutants and that are identified as having unit-specific emission limitations.

Emission Unit #	Description of Emission Unit	2008 EIQ EP#
EU0010	Railcar Receiving	EP-05
EU0020	South Truck Receiving	EP-07
EU0030	West Truck Receiving	EP-06
EU0040	Receiving Legs	EP-08
EU0050	North House Garner & Scale	EP-11
EU0060	South House Garner & Scale	EP-12
EU0070	Cascade Conditioner 1	EP-13B
EU0080	Cracking And Dehulling	EP-13C
EU0090	Hull Grinder	EP-14
EU0100	Pellet Cooler	EP-15.4
EU0110	Flakers	EP-19
EU0120	Bulk DE Storage	EP-27
EU0140	Meal Grinding	EP-30
EU0150	Truck Meal Loadout	EP-31
EU0160	Rail Meal Loadout	EP-57
EU0170	Hull Storage Tank	EP-31.1
EU0180	Off Quality Storage Tank	EP-31.2
EU0190	Hi-Pro Meal Storage Tank	EP-31.3
EU0200	Pellet Storage Tank	EP-31.4
EU0210	Pellet Storage Bin 7	EP-58
EU0220	Outside Bleaching Storage	EP-44
EU0230	Bulk Clay Receiver	EP-45
EU0240	Bean Heater Aspirator	EP-53

EU0250	Jet Dryer	EP-53
EU0260	Secondary Dehulling	EP-53
EU0270	Cascade Cooler	EP-53
EU0280	Cascade Conditioner	EP-53
EU0290	Extraction Process	EP-Source 20
EU0300	Desolventizing Toasting (Dt) Process	EP-Source 20
EU0310	Solvent Storage Tanks	EP-Source 20
EU0320	DC Top Dryer Deck	EP-55
EU0330	DC Middle Dryer Deck	EP-55
EU0340	DC Bottom Dryer Deck	EP-55
EU0350	DC Cooler Deck	EP-55
EU0360	Meal Bin 5	EP-59
EU0370	Meal Bin 6	EP-60
EU0380	Crude Oil Receiving	NA

EMISSION UNITS WITHOUT LIMITATIONS

The following list provides a description of the equipment that does not have unit specific limitations at the time of permit issuance.

Description of Emission Source	2008 EIQ EP#
Truck Meal Loadout, fugitive	EP-31F
Rail Meal Loadout, fugitive	EP-57F
Bean Bin 1	EP-50
Bean Bin 2	EP-51
Bean Bin 3	EP-52
Flake Conveyor	EP-54
Cooling Towers	EP-56.1, EP-56.2
Hydrogen Plant Reformer, natural gas-fired	EP-HPR
Misc. natural gas-fired heating units, total MHDR < 0.22 MMBtu	EP-FUR

DOCUMENTS INCORPORATED BY REFERENCE

These documents have been incorporated by reference into this permit.

- 1) Missouri Department of Natural Resources Construction Permit 0392-008, issued March 6, 1992
- 2) Missouri Department of Natural Resources Construction Permit 1192-013, issued November 16, 1992
- 3) Missouri Department of Natural Resources Construction Permit 0794-006, issued July 11, 1994
- 4) Missouri Department of Natural Resources Construction Permit 0294-003, issued December 29, 1993
- 5) Missouri Department of Natural Resources Construction Permit 0994-001, issued August 4, 1994
- 6) Missouri Department of Natural Resources Construction Permit 092001-004, issued August 17, 2001
- 7) Missouri Department of Natural Resources Construction Permit 052007-007, issued May 16, 2007
- 8) Missouri Department of Natural Resources Construction Permit 052007-007A, issued March 17, 2011
- 9) 40 CFR Part 63 Subpart GGGG Compliance Plan

II. Plant Wide Emission Limitations

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect as of the date that this permit is issued.

PERMIT CONDITION PW001

10 CSR 10-6.060 Construction Permits Required

Missouri Department of Natural Resources Construction Permit 052007-007, Issued May 16, 2007

10 CSR 10-6.075 Maximum Achievable Control Technology Regulations

40 CFR Part 63 Subpart A General Provisions and Subpart GGGG National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production

Emission Limitation:

- 1) The solvent loss ratio, calculated in accordance with 40 CFR Part 63, Subpart GGGG, shall not exceed 0.145 gallons of solvent per ton of oilseed, 12-month rolling average. When accounting for emissions Ag Processing, Inc. shall equate “actual solvent loss” to VOC emissions and shall calculate “actual solvent loss” in accordance with 40 CFR 63.2853 (see **Testing**). This emission limitation first comes in to effect at the end of fifteenth month of operation and utilizes data from the fourth month of operation through the fifteenth month of operation for the initial compliance demonstration. This emission limitation does not apply to the first three months of operation of the modified plant (the initial start-up period). This emission limitation applies to subsequent months (i.e., after the initial start-up period) that have start-up and shutdown events unless a malfunction occurs and Ag Processing, Inc. elects to operate under 40 CFR 63.2850(e)(2). At the end of any such malfunction period Ag Processing, Inc. shall resume compliance with the emission limitation. If Ag Processing, Inc. elects to operate under the malfunction period requirements of 40 CFR 63.2850(e)(2) Ag Processing, Inc. shall also comply with the provisions of 10 CSR 10-6.050. [Construction Permit 052007-007, Special Condition 1.A]
- 2) The emission requirements limit the number of gallons of HAP lost per ton of oilseeds processed. For each operating month, you must calculate a compliance ratio which compares your actual HAP loss to your allowable HAP loss for the previous 12 operating months as shown in Equation 1. An operating month, as defined in §63.2872, is any calendar month in which a source processes oilseeds, excluding any entire calendar month in which the source operated under an initial start-up period subject to §63.2850(d)(2) or a malfunction period subject to §63.2850(e)(2). Equation 1 follows: [§63.2840(a)(1)]

$$\text{Compliance Ratio} = \frac{\text{Actual HAP Loss}}{\text{Allowable HAP Loss}} \quad (\text{Eq. 1})$$

- 3) Equation 1 can also be expressed as a function of total solvent loss as shown in Equation 2. Equation 2 follows: [§63.2840(a)(2)]

$$\text{Compliance Ratio} = \frac{f * \text{Actual Solvent Loss}}{0.64 * \sum_{n=1}^n ((\text{Oilseed})_i * (\text{SFL})_i)} \quad (\text{Eq. 2})$$

Where:

f = The weighted average volume fraction of HAP in solvent received during the previous 12 operating months, as determined in §63.2854, dimensionless.

0.64 = The average volume fraction of HAP in solvent in the baseline performance data, dimensionless.

Actual Solvent Loss = Gallons of actual solvent loss during previous 12 operating months, as determined in 63.2853.

Oilseed = Tons of each oilseed type “i” processed during the previous 12 operating months, as shown in §63.2855.

SLF = The corresponding solvent loss factor (gal/ton), 0.145 gal/ton.

- 4) Calculate the compliance ratio by the end of each calendar month following an operating month using Equation 2. When calculating your compliance ratio, consider the conditions and exclusions in §63.2840(b)(1) through (5): [§63.2840(b)]
 - a) If your source processes any quantity of oilseeds in a calendar month and the source is not operating under an initial start-up period or malfunction period subject to §63.2850, then you must categorize the month as an operating month, as defined in §63.2872. [§63.2840(b)(1)]
 - b) The 12-month compliance ratio may include operating months occurring prior to a source shutdown and operating months that follow after the source resumes operation. [§63.2840(b)(2)]
 - c) If your source shuts down and processes no listed oilseed for an entire calendar month, then you must categorize the month as a non-operating month, as defined in §63.2872. Exclude any non-operating months from the compliance ratio determination. [§63.2840(b)(3)]
 - d) If your source is subject to an initial start-up period as defined in §63.2872, exclude from the compliance ratio determination any solvent and oilseed information recorded for the initial start-up period. [§63.2840(b)(4)]
 - e) If your source is subject to a malfunction period as defined in §63.2872, exclude from the compliance ratio determination any solvent and oilseed information recorded for the malfunction period. [§63.2840(b)(5)]
- 5) If the compliance ratio is less than or equal to 1.00, your source was in compliance with the HAP emission requirements for the previous operating month. [§63.2840(c)]
- 6) *Soybean Throughput Limitation*: Total oilseed throughput, measured per 40 CFR 63.2855, (see **Testing**) shall not exceed 1,314,000 tons for any consecutive 12-month period. [Construction Permit 052007-007, Special Condition 11]

Monitoring:

- 1) *Compliance Requirements*: Your source must meet the requirements associated with one of two compliance options. Within 15 days of the modified source start-up date, you must choose to comply with one of the options listed in §63.2850(d)(1) or (2): [§63.2850(d)]
 - a) *Normal operation*: Upon start-up of your source, you must meet all of the requirements listed in §63.2850(a) and Table 1 for sources under normal operation, and the schedules for demonstrating compliance in Table 2. [§63.2850(d)(1)]
 - b) *Initial start-up period*: For up to three calendar months after the start-up date, you must meet all of the requirements listed in §63.2850(a) and Table 1 for sources operating under an initial start-up period, and the schedules for demonstrating compliance for a source operating under an initial start-up period in Table 2. After a maximum of three calendar months, your source must meet all of the requirements listed in Table 1 for sources under normal operation. [§63.2850(d)(2)]
- 2) *Sources experiencing a malfunction*: A *malfunction* is defined in §63.2. In general, it means any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment or

process equipment to function in a usual manner. If your source experiences an unscheduled shutdown as a result of a malfunction, continues to operate during a malfunction (including the period reasonably necessary to correct the malfunction), or starts up after a shutdown resulting from a malfunction, then you must meet the requirements associated with one of two compliance options. Routine or scheduled process start-ups and shutdowns resulting from, but not limited to, market demands, maintenance activities, and switching types of oilseed processed, are not start-ups or shutdowns resulting from a malfunction and, therefore, do not qualify for this provision. Within 15 days of the beginning date of the malfunction, you must choose to comply with one of the options listed in §63.2850(e)(1) through (2): [§63.2850(e)]

- a) *Normal operation:* Your source must meet all of the requirements listed in §63.2850(a) and the option listed in §63.2850(e)(1)(i) through (iii): [§63.2850(e)(1)]
 - i) Existing source normal operation requirements in §63.2850(b). [§63.2850(e)(1)(i)]
 - ii) New source normal operation requirements in §63.2850(c)(1). [§63.2850(e)(1)(ii)]
 - iii) Normal operation requirements for sources that have been significantly modified in §63.2850(d)(1). [§63.2850(e)(1)(iii)]
- b) *Malfunction period:* Throughout the malfunction period, you must meet all of the requirements listed in §63.2850(a) and Table 1 for sources operating during a malfunction period. At the end of the malfunction period, your source must then meet all of the requirements listed in Table 1 for sources under normal operation. Table 1 of this section follows: [§63.2850(e)(2)]

Table 1 of §63.2850-Requirements for Compliance with HAP Emission Standards

Are you required to . . .	For periods of normal operation?	For initial start-up periods subject to §63.2850 (d)(2)?	For malfunction periods subject to §63.2850(e)(2)?
(a) Operate and maintain your source in accordance with general duty provisions of §63.6(e)?	Yes. Additionally, the HAP emission limits will apply.	Yes, you are required to minimize emissions to the extent practicable throughout the initial start-up period. Such measures should be described in the SSM plan.	Yes, you are required to minimize emissions to the extent practicable throughout the initial start-up period. Such measures should be described in the SSM plan.
(b) Determine and record the extraction solvent loss in gallons from your source?	Yes, as described in §63.2853	Yes, as described in §63.2862(e)	Yes, as described in §63.2862(e).
(c) Record the volume fraction of HAP present at greater than 1 percent by volume and gallons of extraction solvent in shipment received?	Yes	Yes	Yes
(d) Determine and record the tons of each oilseed type processed by your source?	Yes, as described in §63.2855	No	No
(e) Determine the weighted average volume fraction of HAP in	Yes	No. Except for solvent received by a new or reconstructed source	No, the HAP volume fraction in any solvent received during a malfunction period is

Are you required to . . .	For periods of normal operation?	For initial start-up periods subject to §63.2850 (d)(2)?	For malfunction periods subject to §63.2850(e)(2)?
extraction solvent received as described in §63.2854 by the end of the following calendar month?		commencing operation under an initial start-up period, the HAP volume fraction in any solvent received during an initial start-up period is included in the weighted average HAP determination for the next operating month	included in the weighted average HAP determination for the next operating month.
(f) Determine and record the actual solvent loss, weighted average volume fraction HAP, oilseed processed and compliance ratio for each 12 operating month period as described in §63.2840 by the end of the following calendar month?	Yes	No, these requirements are not applicable because your source is not required to determine the compliance ratio with data recorded for an initial start-up period	No, these requirements are not applicable because your source is not required to determine the compliance ratio with data recorded for a malfunction period.
(g) Submit a Notification of Compliance Status or Annual Compliance Certification as appropriate?	Yes, as described in §§63.2860(d) and 63.2861(a)	No. However, you may be required to submit an annual compliance certification for previous operating months, if the deadline for the annual compliance certification happens to occur during the initial start-up period	No. However, you may be required to submit an annual compliance certification for previous operating months, if the deadline for the annual compliance certification happens to occur during the malfunction period.
(h) Submit a Deviation Notification Report by the end of the calendar month following the month in which you determined that the compliance ratio exceeds 1.00 as described in §63.2861(b)?	Yes	No, these requirements are not applicable because your source is not required to determine the compliance ratio with data recorded for an initial start-up period	No, these requirements are not applicable because your source is not required to determine the compliance ratio with data recorded for a malfunction period.
(i) Submit a Periodic SSM Report as described in §63.2861(c)?	No, a SSM activity is not categorized as normal operation	Yes	Yes.
(j) Submit an Immediate SSM Report as described in §63.2861(d)?	No, a SSM activity is not categorized as normal operation	Yes, only if your source does not follow the SSM plan	Yes, you are required to minimize emissions to the extent practicable throughout the initial start-up period. Such measures should be described in the SSM plan.

Table 2 of §63.2850-Schedules for Demonstrating Compliance Under Various Source Operating Modes

If your source is...	and is operating under. . .	then your recordkeeping schedule. . .	You must determine your first compliance ratio by the end of the calendar month following. . .	Base your first compliance ratio on information recorded. . .
(a) Existing	Normal operation	Begins on the compliance date	The first 12 operating months after the compliance date	During the first 12 operating months after the compliance date.
(b) New	(1) Normal operation	Begins on the start-up date of your new source	The first 12 operating months after the start-up date of the new source	During the first 12 operating months after the start-up date of the new source.
	(2) An initial start-up period	Begins on the start-up date of your new source	The first 12 operating months after termination of the initial start-up period, which can last for up to 6 months	During the first 12 operating months after the initial start-up period, which can last for up to 6 months.
(c) Existing or new that has been significantly modified	(1) Normal operation	Resumes on the start-up date of the modified source	The first operating month after the start-up date of the modified source	During the previous 11 operating months prior to the significant modification and the first operating month following the initial start-up date of the source.
	(2) An initial start-up period	Resumes on the start-up date of the modified source	The first operating month after termination of the initial start-up period, which can last up to 3 months	During the 11 operating months before the significant modification and the first operating month after the initial start-up period.

Testing:

- 1) *Determining the Actual Solvent Loss:* By the end of each calendar month following an operating month, you must determine the total solvent loss in gallons for the previous operating month. The total solvent loss for an operating month includes all solvent losses that occur during normal operating periods within the operating month. If you have determined solvent losses for 12 or more operating months, then you must also determine the 12 operating months rolling sum of actual solvent loss in gallons by summing the monthly actual solvent loss for the previous 12 operating months. The 12 operating months rolling sum of solvent loss is the “actual solvent loss,” which is used to calculate your compliance ratio as described in §63.2840. [§63.2853]
 - a) To determine the actual solvent loss from your source, follow the procedures in your plan for demonstrating compliance to determine the items in §63.2853(a)(1) through (5): [§63.2853(a)]
 - i) *The dates that define each operating status period during a calendar month:* The dates that define each operating status period include the beginning date of each calendar month and the date of any change in the source operating status. If the source maintains the same operating status during an entire calendar month, these dates are the beginning and ending dates of the calendar month. If, prior to the effective date of this rule, your source determines

the solvent loss on an *accounting month*, as defined in §63.2872, rather than a calendar month basis, and you have 12 complete accounting months of approximately equal duration in a calendar year, you may substitute the accounting month time interval for the calendar month time interval. If you choose to use an accounting month rather than a calendar month, you must document this measurement frequency selection in your plan for demonstrating compliance, and you must remain on this schedule unless you request and receive written approval from the Director. [§63.2853(a)(1)]

- ii) *Source operating status*: You must categorize the operating status of your source for each recorded time interval in accordance with criteria in Table 1, as follows: [§63.2853(a)(2)]

Table 1 of §63.2853—Categorizing Your Source Operating Status

If during a recorded time interval . . .	then your source operating status is . . .
(i) Your source processes any amount of oilseed and source is not operating under an initial start-up operating period or a malfunction period subject to §63.2850(d)(2), or (e)(2)	A normal operating period.
(ii) Your source processes no agricultural product and your source is not operating under an initial start-up period or malfunction period subject to §63.2850(d)(2), or (e)(2)	A nonoperating period.
(iii) You choose to operate your source under an initial start-up period subject to §63.2850(d)(2)	An initial start-up period.
(iv) You choose to operate your source under a malfunction period subject to §63.2850(e)(2)	A malfunction period
(v) Your source processes agricultural products not defined as listed oilseed	An exempt period.

- iii) *Measuring the beginning and ending solvent inventory*: You are required to measure and record the solvent inventory on the beginning and ending dates of each normal operating period that occurs during an operating month. An operating month is any calendar month with at least one normal operating period. You must consistently follow the procedures described in your plan for demonstrating compliance, as specified in §63.2851, to determine the extraction solvent inventory, and maintain readily available records of the actual solvent loss inventory, as described in §63.2862(c)(1). In general, you must measure and record the solvent inventory only when the source is actively processing any type of agricultural product. When the source is not active, some or all of the solvent working capacity is transferred to solvent storage tanks which can artificially inflate the solvent inventory. [§63.2853(a)(3)]
- iv) *Gallons of extraction solvent received*: Record the total gallons of extraction solvent received in each shipment. For most processes, the gallons of solvent received represents purchases of delivered solvent added to the solvent storage inventory. However, if your process refines additional vegetable oil from off-site sources, recovers solvent from the off-site oil, and adds it to the on-site solvent inventory, then you must determine the quantity of recovered solvent and include it in the gallons of extraction solvent received. [§63.2853(a)(4)]
- v) *Solvent inventory adjustments*: In some situations, solvent losses determined directly from the measured solvent inventory and quantity of solvent received is not an accurate estimate of the “actual solvent loss” for use in determining compliance ratios. In such cases, you may adjust the total solvent loss for each normal operating period as long as you provide a reasonable justification for the adjustment. Situations that may require adjustments of the

total solvent loss include, but are not limited to, situations in §63.2853(a)(5)(i) and (ii):
[§63.2853(a)(5)]

- (1) *Solvent destroyed in a control device*: You may use a control device to reduce solvent emissions to meet the emission standard. The use of a control device does not alter the emission limit for the source. If you use a control device that reduces solvent emissions through destruction of the solvent instead of recovery, then determine the gallons of solvent that enter the control device and are destroyed there during each normal operating period. All solvent destroyed in a control device during a normal operating period can be subtracted from the total solvent loss. Examples of destructive emission control devices include catalytic incinerators, boilers, or flares. Identify and describe, in your plan for demonstrating compliance, each type of reasonable and sound measurement method that you use to quantify the gallons of solvent entering and exiting the control device and to determine the destruction efficiency of the control device. You may use design evaluations to document the gallons of solvent destroyed or removed by the control device instead of performance testing under §63.7. The design evaluations must be based on the procedures and options described in §63.985(b)(1)(i)(A) through (C) or §63.11, as appropriate. All data, assumptions, and procedures used in such evaluations must be documented and available for inspection. If you use performance testing to determine solvent flow rate to the control device or destruction efficiency of the device, follow the procedures as outlined in §63.997(e)(1) and (2). Instead of periodic performance testing to demonstrate continued good operation of the control device, you may develop a monitoring plan, following the procedures outlined in §63.988(c) and using operational parametric measurement devices such as fan parameters, percent measurements of lower explosive limits, and combustion temperature.
 - (2) *Changes in solvent working capacity*: In records you keep on-site, document any process modifications resulting in changes to the solvent working capacity in your vegetable oil production process. *Solvent working capacity* is defined in §63.2872. In general, solvent working capacity is the volume of solvent normally retained in solvent recovery equipment such as the extractor, desolventizer-toaster, solvent storage, working tanks, mineral oil absorber, condensers, and oil/solvent distillation system. If the change occurs during a normal operating period, you must determine the difference in working solvent volume and make a one-time documented adjustment to the solvent inventory.
- b) Use Equation 1 of this section to determine the actual solvent loss occurring from your affected source for all normal operating periods recorded within a calendar month. Equation 1 of this section follows: [§63.2853(b)]

$$\text{Monthly Actual Solvent (gal)} = \sum_{i=1}^n (\text{SOLV}_B - \text{SOLV}_E + \text{SOLV}_R \pm \text{SOLV}_A)_i \quad (\text{Eq. 1})$$

Where:

SOLV_B= Gallons of solvent in the inventory at the beginning of normal operating period “i” as determined in §63.2853(a)(3).

SOLV_E= Gallons of solvent in the inventory at the end of normal operating period “i” as determined in §63.2853(a)(3).

SOLV_R= Gallons of solvent received between the beginning and ending inventory dates of normal operating period “i” as determined in §63.2853(a)(4).

SOLV_A= Gallons of solvent added or removed from the extraction solvent inventory during normal operating period “i” as determined in §63.2853(a)(5).

n = Number of normal operating periods in a calendar month.

- c) The actual solvent loss is the total solvent losses during normal operating periods for the previous 12 operating months. You determine your actual solvent loss by summing the monthly actual solvent losses for the previous 12 operating months. You must record the actual solvent loss by the end of each calendar month following an operating month. Use the actual solvent loss in Equation 2 of §63.2840 to determine the compliance ratio. Actual solvent loss does not include losses that occur during operating status periods listed in §63.2853(c)(1) through (4). If any one of these four operating status periods span an entire month, then the month is treated as non-operating and there is no compliance ratio determination. [§63.2853(c)]
- i) Non-operating periods as described in §63.2853(a)(2)(ii). [§63.2853(c)(1)]
 - ii) Initial start-up periods as described in §63.2850(c)(2) or (d)(2). [§63.2853(c)(2)]
 - iii) Malfunction periods as described in §63.2850(e)(2). [§63.2853(c)(3)]
 - iv) Exempt operation periods as described in §63.2853(a)(2)(v). [§63.2853(c)(4)]
- 2) *Determining Weighted Average Volume Fraction of HAP:* This section describes the information and procedures you must use to determine the weighted average volume fraction of HAP in extraction solvent received for use in your vegetable oil production process. By the end of each calendar month following an operating month, determine the weighted average volume fraction of HAP in extraction solvent received since the end of the previous operating month. If you have determined the monthly weighted average volume fraction of HAP in solvent received for 12 or more operating months, then also determine an overall weighted average volume fraction of HAP in solvent received for the previous 12 operating months. Use the volume fraction of HAP determined as a 12 operating months weighted average in Equation 2 of §63.2840 to determine the compliance ratio. [§63.2854]
- a) To determine the volume fraction of HAP in the extraction solvent determined as a 12 operating months weighted average, you must comply with §63.2854(b)(1) through (3): [§63.2854(a)]
 - i) Record the volume fraction of each HAP comprising more than 1 percent by volume of the solvent in each delivery of solvent, including solvent recovered from off-site oil. To determine the HAP content of the material in each delivery of solvent, the reference method is EPA Method 311 of Appendix A of Part 63. You may use EPA Method 311, an approved alternative method, or any other reasonable means for determining the HAP content. Other reasonable means of determining HAP content include, but are not limited to, a material safety data sheet or a manufacturer's certificate of analysis. A certificate of analysis is a legal and binding document provided by a solvent manufacturer. The purpose of a certificate of analysis is to list the test methods and analytical results that determine chemical properties of the solvent and the volume percentage of all HAP components present in the solvent at quantities greater than 1 percent by volume. You are not required to test the materials that you use, but the Director may require a test using EPA Method 311 (or an approved alternative method) to confirm the reported HAP content. However, if the results of an analysis by EPA Method 311 are different from the HAP content determined by another means, the EPA Method 311 results will govern compliance determinations. [§63.2854(a)(1)]
 - ii) Determine the weighted average volume fraction of HAP in the extraction solvent each operating month. The weighted average volume fraction of HAP for an operating month includes all solvent received since the end of the last operating month, regardless of the operating status at the time of the delivery. Determine the monthly weighted average volume fraction of HAP by summing the products of the HAP volume fraction of each delivery and the volume of each delivery and dividing the sum by the total volume of all deliveries as expressed in Equation 1 of this section. Record the result by the end of each calendar month following an operating month. Equation 1 of this section follows: [§63.2854(a)(2)]

Monthly Weighted Average HAP Content of Extraction Solvent (volume fraction)

$$\frac{\sum_{i=1}^n (\text{Received}_i * \text{Content}_i)}{\text{Total Received}} \quad (\text{Eq. 1})$$

Where:

Received_i = Gallons of extraction solvent received in delivery “i.”

Content_i = The volume fraction of HAP in extraction solvent delivery “i.”

Total Received = Total gallons of extraction solvent received since the end of the previous operating month.

n = Number of extraction solvent deliveries since the end of the previous operating month.

- iii) Determine the volume fraction of HAP in your extraction solvent as a 12 operating months weighted average. When your source has processed oilseed for 12 operating months, sum the products of the monthly weighted average HAP volume fraction and corresponding volume of solvent received, and divide the sum by the total volume of solvent received for the 12 operating months, as expressed by Equation 2 of this section. Record the result by the end of each calendar month following an operating month and use it in Equation 2 of §63.2840 to determine the compliance ratio. Equation 2 of this section follows: [§63.2854(a)(3)]

12-Month Weighted Average HAP Content of Extraction Solvent (volume fraction)

$$= \frac{\sum_{i=1}^{12} (\text{Received}_i * \text{Content}_i)}{\text{Total Received}} \quad (\text{Eq. 2})$$

Where:

Received_i = Gallons of extraction solvent received in operating month “i” as determined in accordance with §63.2853(a)(4).

Content_i = Average volume fraction of HAP in extraction solvent received in operating month “i” as determined in accordance with §63.2854(b)(1).

Total Received = Total gallons of extraction solvent received during the previous 12 operating months.

- 3) *Determining the Quantity of Oilseed Processed:* All oilseed measurements must be determined on an *as received* basis, as defined in §63.2872. The *as received* basis refers to the oilseed chemical and physical characteristics as initially received by the source and prior to any oilseed handling and processing. By the end of each calendar month following an operating month, you must determine the tons as received of each listed oilseed processed for the operating month. The total oilseed processed for an operating month includes the total of each oilseed processed during all normal operating periods that occur within the operating month. If you have determined the tons of oilseed processed for 12 or more operating months, then you must also determine the 12 operating months rolling sum of each type oilseed processed by summing the tons of each type of oilseed processed for the previous 12 operating months. The 12 operating months rolling sum of each type of oilseed processed is used to calculate the compliance ratio as described in §63.2840. [§63.2855]
- a) To determine the tons as received of each type of oilseed processed at your source, follow the procedures in your plan for demonstrating compliance to determine the items in §63.2855(a)(1) through (5): [§63.2855(a)]
- i) *The dates that define each operating status period:* The dates that define each operating status period include the beginning date of each calendar month and the date of any change in the source operating status. If, prior to the effective date of this rule, your source determines the oilseed inventory on an accounting month rather than a calendar month basis, and you have 12 complete accounting months of approximately equal duration in a calendar year, you may substitute the accounting month time interval for the calendar month time interval. If

you choose to use an accounting month rather than a calendar month, you must document this measurement frequency selection in your plan for demonstrating compliance, and you must remain on this schedule unless you request and receive written approval from the agency responsible for these NESHAP. The dates on each oilseed inventory log must be consistent with the dates recorded for the solvent inventory. [§63.2855(a)(1)]

- ii) *Source operating status:* You must categorize the source operation for each recorded time interval. The source operating status for each time interval recorded on the oilseed inventory for each type of oilseed must be consistent with the operating status recorded on the solvent inventory logs as described in §63.2853(a)(2). [§63.2855(a)(2)]
 - iii) *Measuring the beginning and ending inventory for each oilseed:* You are required to measure and record the oilseed inventory on the beginning and ending dates of each normal operating period that occurs during an operating month. An operating month is any calendar month with at least one normal operating period. You must consistently follow the procedures described in your plan for demonstrating compliance, as specified in §63.2851, to determine the oilseed inventory on an as received basis and maintain readily available records of the oilseed inventory as described by §63.2862(c)(3). [§63.2855(a)(3)]
 - iv) *Tons of each oilseed received:* Record the type of oilseed and tons of each shipment of oilseed received and added to your on-site storage. [§63.2855(a)(4)]
 - v) *Oilseed inventory adjustments:* In some situations, determining the quantity of oilseed processed directly from the measured oilseed inventory and quantity of oilseed received is not an accurate estimate of the tons of oilseed processed for use in determining compliance ratios. For example, spoiled and molded oilseed removed from storage but not processed by your source will result in an overestimate of the quantity of oilseed processed. In such cases, you must adjust the oilseed inventory and provide a justification for the adjustment. Situations that may require oilseed inventory adjustments include, but are not limited to, the situations listed in §63.2855(a)(5)(i) through (v): [§63.2855(a)(5)]
 - (1) Oilseed that mold or otherwise become unsuitable for processing. [§63.2855(a)(5)(i)]
 - (2) Oilseed you sell before it enters the processing operation. [§63.2855(a)(5)(ii)]
 - (3) Oilseed destroyed by an event such as a process malfunction, fire, or natural disaster. [§63.2855(a)(5)(iii)]
 - (4) Oilseed processed through operations prior to solvent extraction such as screening, dehulling, cracking, drying, and conditioning; but that are not routed to the solvent extractor for further processing. [§63.2855(a)(5)(iv)]
 - (5) Periodic physical measurements of inventory. For example, some sources periodically empty oilseed storage silos to physically measure the current oilseed inventory. This periodic measurement procedure typically results in a small inventory correction. The correction factor, usually less than 1 percent, may be used to make an adjustment to the source's oilseed inventory that was estimated previously with indirect measurement techniques. To make this adjustment, your plan for demonstrating compliance must provide for such an adjustment. [§63.2855(a)(5)(v)]
- b) Use Equation 1 of this section to determine the quantity of each oilseed type processed at your affected source during normal operating periods recorded within a calendar month. Equation 1 of this section follows: [§63.2855(b)]

$$\text{Monthly Quantity of Oilseed Processed (tons)} = \sum_{n=1}^n (\text{SEED}_n - \text{SEED}_n + \text{SEED}_n \pm \text{SEED}_n) \text{ (Eq. 1)}$$

Where:

SEED_B= Tons of oilseed in the inventory at the beginning of normal operating period “i” as determined in accordance with §63.2855(a)(3).

SEED_E= Tons of oilseed in the inventory at the end of normal operating period “i” as determined in accordance with §63.2855(a)(3).

SEED_R= Tons of oilseed received during normal operating period “i” as determined in accordance with §63.2855(a)(4).

SEED_A= Tons of oilseed added or removed from the oilseed inventory during normal operating period “i” as determined in accordance with §63.2855(a)(5).

n = Number of normal operating periods in the calendar month during which this type oilseed was processed.

- c) The quantity of each oilseed processed is the total tons of each type of listed oilseed processed during normal operating periods in the previous 12 operating months. You determine the tons of each oilseed processed by summing the monthly quantity of each oilseed processed for the previous 12 operating months. You must record the 12 operating months quantity of each type of oilseed processed by the end of each calendar month following an operating month. Use the 12 operating months quantity of each type of oilseed processed to determine the compliance ratio as described in §63.2840. The quantity of oilseed processed does not include oilseed processed during the operating status periods in §63.2855(c)(1) through (4): [§63.2855(c)]
- i) Non-operating periods as described in §63.2853(a)(2)(ii). [§63.2855(c)(1)]
 - ii) Initial start-up periods as described in §63.2850(c)(2) or (d)(2). [§63.2855(c)(2)]
 - iii) Malfunction periods as described in §63.2850(e)(2). [§63.2855(c)(3)]
 - iv) Exempt operation periods as described in §63.2853(a)(2)(v). [§63.2855(c)(4)]
 - v) If any one of these four operating status periods span an entire calendar month, then the calendar month is treated as a non-operating month and there is no compliance ratio determination. [§63.2855(c)(5)]

Recordkeeping:

- 1) Ag Processing, Inc. shall maintain an accurate record of solvent loss and oilseed throughput. These recordkeeping requirements apply under all operating scenarios including start-up, shutdown and malfunction. Such records shall be maintained for not less than five (5) years and shall be made available immediately to any Missouri Department of Natural Resources’ personnel upon request. [Construction Permit 052007-007, Special Condition 1.B]
- 2) You must satisfy the following recordkeeping requirements by your start-up date. [§63.2862(a)]
 - a) Prepare a *Compliance Plan* (as described in §63.2851) and a *Start-up, Shutdown, and Malfunction Plan* (as described in §63.2852). In these two plans, describe the procedures you will follow in obtaining and recording data, and determining compliance under normal operations or a SSM subject to the §63.2850(d)(2) initial start-up period or the §63.2850(e)(2) malfunction period. Complete both plans before the compliance date for your source and keep them on-site and readily available as long as the source is operational. [§63.2862(b)]
- 3) *Compliance Plan*: You must develop and implement a written plan for demonstrating compliance that provides the detailed procedures you will follow to monitor and record data necessary for demonstrating compliance with Subpart GGGG. Procedures followed for quantifying solvent loss from the source and amount of oilseed processed vary from source to source because of site-specific factors such as equipment design characteristics and operating conditions. Typical procedures include one or more accurate measurement methods such as weigh scales, volumetric displacement, and material mass balances. Because the industry does not have a uniform set of procedures, you must develop and implement your own site-specific plan for demonstrating compliance before the

compliance date for your source. You must also incorporate the plan for demonstrating compliance by reference in the source's Title V and keep the plan on-site and readily available as long as the source is operational. If you make any changes to the plan for demonstrating compliance, then you must keep all previous versions of the plan and make them readily available for inspection for at least five years after each revision. The plan for demonstrating compliance must include the items in §63.2851(a)(1) through (7): [§63.2851(a)]

- a) The name and address of the owner or operator.
 - b) The physical address of the vegetable oil production process.
 - c) A detailed description of all methods of measurement your source will use to determine your solvent losses, HAP content of solvent, and the tons of each type of oilseed processed.
 - d) When each measurement will be made.
 - e) Examples of each calculation you will use to determine your compliance status. Include examples of how you will convert data measured with one parameter to other terms for use in compliance determination.
 - f) Example logs of how data will be recorded.
 - g) A plan to ensure that the data continue to meet compliance demonstration needs.
- 4) The Director may require you to revise your Compliance Plan for demonstrating compliance. The Director may require reasonable revisions if the procedures lack detail, are inconsistent or do not accurately determine solvent loss, HAP content of the solvent, or the tons of oilseed processed. [§63.2851(b)]
- 5) *Start-up, Shutdown, And Malfunction Plan (SSM)*: You must develop a written SSM plan in accordance with §63.6(e)(3). You must complete the SSM plan before the compliance date. You must also keep the SSM plan on-site and readily available as long as the source is operational. The SSM plan provides detailed procedures for operating and maintaining your source to minimize emissions during a qualifying SSM event for which the source chooses the §63.2850(e)(2) malfunction period, or the §63.2850(c)(2) or (d)(2) initial start-up period. The SSM plan must specify a program of corrective action for malfunctioning process and air pollution control equipment and reflect the best practices now in use by the industry to minimize emissions. Some or all of the procedures may come from plans you developed for other purposes such as a Standard Operating Procedure manual or an Occupational Safety and Health Administration Process Safety Management plan. To qualify as a SSM plan, other such plans must meet all the applicable requirements of these NESHAP. [§63.2852]
- 6) If your source processes any listed oilseed, record the items in §63.2862(c)(1) through (5): [§63.2862(c)]
- a) For the solvent inventory, record the information in §63.2862(c)(1)(i) through (vii) in accordance with your plan for demonstrating compliance: [§63.2862(c)(1)]
 - i) Dates that define each operating status period during a calendar month. [§63.2862(c)(1)(i)]
 - ii) The operating status of your source such as normal operation, non-operating, initial start-up period, malfunction period, or exempt operation for each recorded time interval. [§63.2862(c)(1)(ii)]
 - iii) Record the gallons of extraction solvent in the inventory on the beginning and ending dates of each normal operating period. [§63.2862(c)(1)(iii)]
 - iv) The gallons of all extraction solvent received, purchased, and recovered during each calendar month. [§63.2862(c)(1)(iv)]
 - v) All extraction solvent inventory adjustments, additions or subtractions. You must document the reason for the adjustment and justify the quantity of the adjustment. [§63.2862(c)(1)(v)]

- vi) The total solvent loss for each calendar month, regardless of the source operating status. [§63.2862(c)(1)(vi)]
- vii) The actual solvent loss in gallons for each operating month. [§63.2862(c)(1)(vii)]
- b) For the weighted average volume fraction of HAP in the extraction solvent, you must record the items in §63.2862(c)(2)(i) through (iii): [§63.2862(c)(2)]
 - i) The gallons of extraction solvent received in each delivery. [§63.2862(c)(2)(i)]
 - ii) The volume fraction of each HAP exceeding one percent by volume in each delivery of extraction solvent. [§63.2862(c)(2)(ii)]
 - iii) The weighted average volume fraction of HAP in extraction solvent received since the end of the last operating month as determined in accordance with §63.2854(b)(2). [§63.2862(c)(2)(iii)]
- c) For each type of listed oilseed processed, record the items in §63.2862(c)(3)(i) through (vi), in accordance with your plan for demonstrating compliance: [§63.2862(c)(3)]
 - i) The dates that define each operating status period. These dates must be the same as the dates entered for the extraction solvent inventory. [§63.2862(c)(3)(i)]
 - ii) The operating status of your source such as normal operation, non-operating, initial start-up period, malfunction period, or exempt operation for each recorded time interval. On the log for each type of listed oilseed that is not being processed during a normal operating period, you must record which type of listed oilseed is being processed in addition to the source operating status. [§63.2862(c)(3)(ii)]
 - iii) The oilseed inventory for the type of listed oilseed being processed on the beginning and ending dates of each normal operating period. [§63.2862(c)(3)(iii)]
 - iv) The tons of each type of listed oilseed received at the affected source each normal operating period. [§63.2862(c)(3)(iv)]
 - v) All listed oilseed inventory adjustments, additions or subtractions for normal operating periods. You must document the reason for the adjustment and justify the quantity of the adjustment. [§63.2862(c)(3)(v)]
 - vi) The tons of each type of listed oilseed processed during each operating month. [§63.2862(c)(3)(vi)]
- d) After your source has processed listed oilseed for 12 operating months, and you are not operating during an initial start-up period as described in §63.2850(d)(2), or a malfunction period as described in §63.2850(e)(2), record the items in §63.2862(d)(1) through (5) by the end of the calendar month following each operating month: [§63.2862(d)]
 - i) The 12 operating months rolling sum of the actual solvent loss in gallons as described in §63.2853(c). [§63.2862(d)(1)]
 - ii) The weighted average volume fraction of HAP in extraction solvent received for the previous 12 operating months as described in §63.2854(b)(3). [§63.2862(d)(2)]
 - iii) The 12 operating months rolling sum of each type of listed oilseed processed at the affected source in tons as described in §63.2855(c). [§63.2862(d)(3)]
 - iv) A determination of the compliance ratio. Using the values from §§63.2853, 63.2854, 63.2855, and Table 1 of §63.2840, calculate the compliance ratio using Equation 2 of §63.2840. [§63.2862(d)(4)]
 - v) A statement of whether the source is in compliance with all of the requirements of this subpart. This includes a determination of whether you have met all of the applicable requirements in §63.2850. [§63.2862(d)(5)]
- e) For each SSM event subject to an initial start-up period as described in §63.2850(c)(2) or (d)(2), or a malfunction period as described in §63.2850(e)(2), record the items in §63.2862(e)(1)

- through (3) by the end of the calendar month following each month in which the initial start-up period or malfunction period occurred: [§63.2862(e)]
- i) A description and date of the SSM event, its duration, and reason it qualifies as an initial start-up or malfunction. [§63.2862(e)(1)]
 - ii) An estimate of the solvent loss in gallons for the duration of the initial start-up or malfunction period with supporting documentation. [§63.2862(e)(2)]
 - iii) A checklist or other mechanism to indicate whether the SSM plan was followed during the initial start-up or malfunction period. [§63.2862(e)(3)]
- 7) Your records must be in a form suitable and readily available for review in accordance with §63.10(b)(1). [§63.2863(a)]
 - 8) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. [§63.2863(b)]
 - 9) You must keep each record on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, in accordance with §63.10(b)(1). You can keep the records off-site for the remaining 3 years. [§63.2863(c)]
 - 10) Table 1 of this §63.2870 shows which recordkeeping parts of the General Provisions in §§63.1 through 63.15 apply to you. [§63.2870]

Reporting:

- 1) Ag Processing, Inc. shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, Missouri 65102, no later than forty five (45) days after the end of the month during which the required records indicate that the source exceeds the limitations of *Emission Limitation No. 1*. [Construction Permit 052007-007, Special Condition 1.C]
- 2) *Initial notification:* You must submit an initial notification to the Director 30 days prior to initial start-up of the significantly modified source. The initial notification must demonstrate that the proposed changes qualify as a significant modification. The initial notification must include the items in §63.2860(c)(1)(i) and (ii): [§63.2860(c)(1)]
 - a) The expected start-up date of the modified source. [§63.2860(c)(1)(i)]
 - b) A description of the significant modification including a list of the equipment that will be replaced or modified. If the significant modification involves changes other than adding or replacing extractors, desolventizer-toasters (conventional and specialty), and meal dryer-coolers, then you must also include the fixed capital cost of the new components, expressed as a percentage of the fixed capital cost to build a comparable new vegetable oil production process; supporting documentation for the cost estimate; and documentation that the proposed changes will significantly affect solvent losses. [§63.2860(c)(1)(ii)]
- 3) *Notification of actual start-up:* You must submit a notification of actual start-up date within 15 days after initial start-up of the modified source. The notification must include the items in §63.2860(c)(2)(i) through (iv): [§63.2860(c)(1)]
 - a) The initial start-up date of the modified source. [§63.2860(c)(2)(i)]
 - b) An indication whether you have elected to operate under an initial start-up period subject to §63.2850(d)(2). [§63.2860(c)(2)(ii)]
 - c) The anticipated duration of any initial start-up period. [§63.2860(c)(2)(iii)]
 - d) A justification for the anticipated duration of any initial start-up period. [§63.2860(c)(2)(iv)]
- 4) *Notification of compliance status:* You must submit a notification of compliance status report to the Director no later than 60 days after determining your initial 12 operating months compliance ratio. If you are a new or reconstructed source, the notification of compliance status is generally due no later than 20 calendar months after initial start-up (6 calendar months for the initial start-up period, 12

operating months to record data, and 2 calendar months to complete the report). The notification of compliance status must contain the items in §63.2860(d)(1) through (6): [§63.2860(d)]

- a) The name and address of the owner or operator. [§63.2860(d)(1)]
 - b) The physical address of the vegetable oil production process. [§63.2860(d)(2)]
 - c) Each listed oilseed type processed during the previous 12 operating months. [§63.2860(d)(3)]
 - d) Each HAP identified under §63.2854(a) as being present in concentrations greater than 1 percent by volume in each delivery of solvent received during the 12 operating months period used for the initial compliance determination. [§63.2860(d)(4)]
 - e) A statement designating the source as a major source of HAP or a demonstration that the source qualifies as an area source. An area source is a source that is not a major source and is not collocated within a plant site with other sources that are individually or collectively a major source. [§63.2860(d)(5)]
 - f) A compliance certification indicating whether the source complied with all of the requirements of this subpart throughout the 12 operating months used for the initial source compliance determination. This certification must include a certification of the items in §63.2860(d)(6)(i) through (iii): [§63.2860(d)(6)]
 - i) The plan for demonstrating compliance (as described in §63.2851) and SSM plan (as described in §63.2852) are complete and available on-site for inspection. [§63.2860(d)(6)(i)]
 - ii) You are following the procedures described in the plan for demonstrating compliance. [§63.2860(d)(6)(ii)]
 - iii) The compliance ratio is less than or equal to 1.00. [§63.2860(d)(6)(iii)]
- 5) After the initial notifications, you must submit the reports in §63.2861(a) through (d) to the Director at the appropriate time intervals: [§63.2861]
- a) *Annual compliance certifications:* The first annual compliance certification is due 12 calendar months after you submit the notification of compliance status. Each subsequent annual compliance certification is due 12 calendar months after the previous annual compliance certification. The annual compliance certification provides the compliance status for each operating month during the 12 calendar months period ending 60 days prior to the date on which the report is due. Include the information in §63.2861(a)(1) through (6) in the annual certification: [§63.2861(a)]
 - i) The name and address of the owner or operator. [§63.2861(a)(1)]
 - ii) The physical address of the vegetable oil production process. [§63.2861(a)(2)]
 - iii) Each listed oilseed type processed during the 12 calendar months period covered by the report. [§63.2861(a)(3)]
 - iv) Each HAP identified under §63.2854(a) as being present in concentrations greater than 1 percent by volume in each delivery of solvent received during the 12 calendar months period covered by the report. [§63.2861(a)(4)]
 - v) A statement designating the source as a major source of HAP or a demonstration that the source qualifies as an area source. An area source is a source that is not a major source and is not collocated within a plant site with other sources that are individually or collectively a major source. [§63.2861(a)(5)]
 - vi) A compliance certification to indicate whether the source was in compliance for each compliance determination made during the 12 calendar months period covered by the report. For each such compliance determination, you must include a certification of the items in §63.2861(a)(6)(i) through (ii): [§63.2861(a)(6)]
 - (1) You are following the procedures described in the plan for demonstrating compliance. [§63.2861(a)(6)(i)]

- (2) The compliance ratio is less than or equal to 1.00. [§63.2861(a)(6)(ii)]
- b) *Deviation notification report:* Submit a deviation report for each compliance determination you make in which the compliance ratio exceeds 1.00 as determined under §63.2840(c). Submit the deviation report by the end of the month following the calendar month in which you determined the deviation. The deviation notification report must include the items in §63.2861(b)(1) through (4): [§63.2861(b)]
- i) The name and address of the owner or operator. [§63.2861(b)(1)]
 - ii) The physical address of the vegetable oil production process. [§63.2861(b)(2)]
 - iii) Each listed oilseed type processed during the 12 operating months period for which you determined the deviation. [§63.2861(b)(3)]
 - iv) The compliance ratio comprising the deviation: You may reduce the frequency of submittal of the deviation notification report if the agency responsible for these NESHAP does not object as provided in §63.10(e)(3)(iii). [§63.2861(b)(4)]
- c) *Periodic start-up, shutdown, and malfunction report:* If you choose to operate your source under an initial start-up period subject to §63.2850(c)(2) or (d)(2) or a malfunction period subject to §63.2850(e)(2), you must submit a periodic SSM report by the end of the calendar month following each month in which the initial start-up period or malfunction period occurred. The periodic SSM report must include the items in §63.2861(c)(1) through (3): [§63.2861(c)]
- i) The name, title, and signature of a source's responsible official who is certifying that the report accurately states that all actions taken during the initial start-up or malfunction period were consistent with the SSM plan. [§63.2861(c)(1)]
 - ii) A description of events occurring during the time period, the date and duration of the events, and reason the time interval qualifies as an initial start-up period or malfunction period. [§63.2861(c)(2)]
 - iii) An estimate of the solvent loss during the initial start-up or malfunction period with supporting documentation. [§63.2861(c)(3)]
- d) *Immediate SSM report:* If you handle a SSM during an initial start-up period subject to §63.2850(c)(2) or (d)(2) or a malfunction period subject to §63.2850(e)(2) differently from procedures in the SSM plan and the relevant emission requirements in §63.2840 are exceeded, then you must submit an immediate SSM report. Immediate SSM reports consist of a telephone call or facsimile transmission to the responsible agency within two working days after starting actions inconsistent with the SSM plan, followed by a letter within seven working days after the end of the event. The letter must include the items in §63.2861(d)(1) through (3): [§63.2861(d)]
- i) The name, title, and signature of a source's responsible official who is certifying the accuracy of the report, an explanation of the event, and the reasons for not following the SSM plan. [§63.2861(d)(1)]
 - ii) A description and date of the SSM event, its duration, and reason it qualifies as a SSM. [§63.2861(d)(2)]
 - iii) An estimate of the solvent loss for the duration of the SSM event with supporting documentation. [§63.2861(d)(3)]
- 6) Table 1 of §63.2870 shows which reporting parts of the General Provisions in §§63.1 through 63.15 apply to you. [§63.2870]

PERMIT CONDITION PW002

10 CSR 10-6.060 Construction Permits Required

Missouri Department of Natural Resources Construction Permit 052007-007, Issued May 16, 2007

Monitoring/Recordkeeping:

- 1) *Leak Detection and Repair (LDAR) Program:* Ag Processing, Inc. shall prepare and implement a leak detection and repair (LDAR) program to control fugitive VOC emissions. The written LDAR program shall be made available immediately to any Missouri Department of Natural Resources' personnel upon request. This requirement is part of the BACT determination for Construction Permit 052007-007. [Construction Permit 052007-007, Special Condition 2.A]
- 2) The following are minimum requirements for the detection portion of the LDAR program: [Construction Permit 052007-007, Special Condition 2.B]
 - a) Plant personnel shall check equipment that contains hexane on a daily basis for any signs of a leak, based on sight, sound or smell. Equipment to be checked on the daily inspection includes storage tanks, pumps, piping, duct work, enclosed conveyors, valves, flanges, seals, sight glasses and process equipment (including the extractor, desolventizer-toaster, dryer-cooler, distillation equipment, condensers and heat exchangers).
 - b) Ag Processing, Inc. shall install, continuously operate and maintain a minimum of four (4) fixed-location flammable gas monitors in the solvent extraction area. The fixed-location monitors shall be placed in low-lying areas in close proximity to likely fugitive emission sources. Spare monitors shall be maintained to ensure continuous monitoring. The flammable gas monitors shall be set to audible and visual alarm at 500 parts per million (ppm) hexane. Ag Processing, Inc. shall record a representative reading from each monitor at least once per day when the solvent extraction equipment is in operation.
- 3) The following are minimum requirements for LDAR recordkeeping: [Construction Permit 052007-007, Special Condition 2.C]
 - a) Daily inspection observations and representative fixed-location flammable gas monitor readings shall be recorded in writing and shall be signed and dated by the person that conducted the inspection/reading.
 - b) If leaks are observed, the nature and extent of the observed leak shall be recorded along with documentation regarding corrective actions.
 - c) LDAR program records shall be maintained for not less than five (5) years and shall be made available immediately to any Missouri Department of Natural Resources' personnel upon request. Written records may be converted to scanned computer files for the purpose of recordkeeping.

Reporting:

The permittee shall report any deviations from this permit condition using the semi-annual monitoring report and annual compliance certification to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10- 6.065(6)(C)1.C.(III).

PERMIT CONDITION PW003

10 CSR 10-6.060 Construction Permits Required

Missouri Department of Natural Resources Construction Permit 052007-007, Issued May 16, 2007

Monitoring:

Post-Construction Ozone Monitoring: Ag Processing, Inc. shall conduct post-construction ambient air quality monitoring for ozone for at least the first full ozone season (April 1st through October 31st) that the modified plant commences normal operations. Dependent on the concentrations of ozone observed, Ag Processing, Inc. may be required to continue ozone ambient air quality monitoring for a second full ozone season. [Construction Permit 052007-007, Special Condition 10.A]

Reporting:

- 1) Within 60 days of issuance of Construction Permit 052007-007, Ag Processing, Inc. shall submit a Quality Assurance Project Plan (QAPP) describing the methods and procedures for conducting the required ambient air monitoring. [Construction Permit 052007-007, Special Condition 10.B]
- 2) Ag Processing, Inc. shall resolve or address, to the Air Pollution Control Program's satisfaction, any Air Pollution Control Program recommendations on the QAPP for the ozone ambient air monitoring within the time frames indicated in any such comments. A completed QAPP must be approved by the Director of the Air Pollution Control Program prior to conduction the required ambient air monitoring. [Construction Permit 052007-007, Special Condition 10.C]
- 3) Ag Processing, Inc. shall submit the results of the ambient monitoring to the Air Pollution Control Program based on the reporting schedule indicated in the QAPP. [Construction Permit 052007-007, Special Condition 10.D]
- 4) Within 60 days of completion of the first full, post-construction, ozone season Ag Processing, Inc. shall submit to the Air Pollution Control Program plans for second full season ozone monitoring or a request for discontinuation of ozone monitoring. Ag Processing, Inc. must receive written authorization from the Air Pollution Control Program to discontinue ozone monitoring. [Construction Permit 052007-007, Special Condition 10.E]

III. Emission Unit Specific Emission Limitations

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect as of the date that this permit is issued.

EU0010 – RAILCAR RECEIVING EU0020 – SOUTH TRUCK RECEIVING		
Emission Unit	Description	2008 EIQ Reference #
EU0010	Railcar Receiving: receiving of whole grain by rail; MHDR 360 ton/hr; controlled by baghouse and oil spray dust suppression; installation date pre-1978	EP-05
EU0020	South Truck Receiving: receiving of whole grain by truck; MHDR 360 ton/hr; controlled by baghouse and oil spray dust suppression; installation date pre-1978	EP-07

PERMIT CONDITION (EU0010 and EU0020)-001
 10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 20%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring/Recordkeeping/Reporting:

As detailed in Core Permit Requirements.

EU0030 – WEST TRUCK RECEIVING		
Emission Unit	Description	2008 EIQ Reference #
EU0030	West Truck Receiving: receiving of whole grain by truck; controlled by baghouse; MHDR 900 ton/hr; installation date pre-1978; debottlenecked 2008	EP-06

PERMIT CONDITION EU0030-001
 10 CSR 10-6.060 Construction Permits Required
 Missouri Department of Natural Resources Construction Permit 052007-007, Issued May 16, 2007

Emission Limitation:

Ag Processing, Inc. shall comply with the West Truck Receiving (EU0030) PM₁₀ emission limit of 0.56 lb/hr. [Construction Permit 052007-007, Special Condition 7.B]

Operational Specification:

Ag Processing, Inc. shall control emissions from the West Truck Receiving (EU0030) using baghouses as specified in the application for Construction Permit 052007-007. The baghouses shall be operated and maintained in accordance with the manufacturer's specifications. The baghouse shall be equipped with a gauge or meter, which indicates the pressure drop across the control device. These gauges or meters shall be located such that the Department of Natural Resources employees may easily observe them. Replacement filters for the baghouses shall be kept on hand at all times. The bags shall be made of fibers appropriate for operating conditions expected to occur (i.e. temperature limits, acidic and alkali resistance, and abrasion resistance). [Construction Permit 052007-007, Special Condition 7.A]

Monitoring/Recordkeeping:

- 1) Ag Processing, Inc. shall monitor and record the operating pressure drop across the baghouses at least once per day. The operating pressure drop shall be maintained within the design conditions specified by the manufacturer's performance warranty. [Construction Permit 052007-007, Special Condition 7.C]
- 2) Ag Processing, Inc. shall maintain an operating and maintenance log for the baghouses which shall include the following: [Construction Permit 052007-007, Special Condition 7.D]
 - a) Incidents of malfunction, with impact on emissions, duration of event, probable cause, and corrective actions; and
 - b) Maintenance activities, with inspection schedule, repair actions, and replacements, etc.
- 3) All records shall be maintained for five years.
- 4) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon their verbal request and presentation of identification.

Reporting:

The permittee shall report any deviations from this permit condition using the semi-annual monitoring report and annual compliance certification to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10- 6.065(6)(C)1.C.(III).

PERMIT CONDITION EU0030-002

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 20%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring/Recordkeeping/Reporting:

As detailed in Core Permit Requirements.

EU0040 – RECEIVING LEGS		
Emission Unit	Description	2008 EIQ Reference #
EU0040	Receiving Legs: grain handling operations; aspirates all in-house grain transfers including the back-up truck receiving legs, conveyors going to the storage bins and the prep feeding legs; controlled with baghouse; MHDR 1980 ton/hr; installation date pre-1978; debottlenecked 2008	EP-08

<p align="center">PERMIT CONDITION EU0040-001 10 CSR 10-6.400 Restriction of Emission of Particulate Matter from Industrial Processes</p>
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Operational Requirements:

- 1) This unit is provided conditional exemptions from this rule.
- 2) The permittee shall maintain the exemption from this rule by complying with the following operation, monitoring and maintenance requirements for the associated control device.

Equipment and Operation Parameters:

- 1) The permittee shall calibrate, maintain and operate the baghouses and their respective instrumentation according to the manufacturer's specifications and recommendations.
- 2) These emission units shall not be operated without fabric filters in place in all baghouses that service these emission units.
- 3) The pressure drop across the baghouse filters shall be maintained within the design conditions specified by the manufacturer's performance warranty.
 - a) If the pressure drop falls out of this normal operating range, corrective action shall be taken within eight (8) hours to return the pressure drop to normal.
 - b) If corrective action cannot be taken within eight (8) hours, the affected baghouse ventilation system will either be shut down, or will be directed such that the emissions from the affected baghouse are vented back into the building.
 - c) A pressure drop reading of less than two (2) inches may be observed for a period following the installation of a new bag.
- 4) Replacement filters shall be kept on hand at all times and be made of fibers appropriate for the operating conditions that are expected to occur (i.e. temperature limits, acidic and alkali resistance, and abrasion resistance).

Monitoring:

- 1) The permittee shall check the baghouse pressure drop daily.
- 2) The permittee shall thoroughly inspect fabric filters for leaks and wear annually.
- 3) If leaks or abnormal conditions are detected, the appropriate measures for remediation shall be implemented within eight (8) hours.

Recordkeeping:

- 1) The permittee shall maintain records of the daily pressure drop readings.
- 2) The permittee shall maintain records of all inspections of each baghouse.
- 3) The permittee shall maintain records of all fabric filter replacements and maintenance performed.
- 4) All records shall be maintained for a period of five (5) years.
- 5) All records shall be made available immediately for inspection to Department of Natural Resources' personnel upon request.

PERMIT CONDITION EU0040-002

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 20%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring/Recordkeeping/Reporting:

As detailed in Core Permit Requirements.

EU0050 – NORTH HOUSE GARNER & SCALE EU0060 – SOUTH HOUSE GARNER & SCALE		
Emission Unit	Description	2008 EIQ Reference #
EU0050	North House Garner & Scale: MHDR 360 ton/hr; controlled by cyclone and baghouse; installation date pre-1978	EP-11
EU0060	South House Garner & Scale: MHDR 360 ton/hr; controlled by cyclone and baghouse; installation date pre-1978	EP-12

PERMIT CONDITION (EU0050 and EU0060)-001

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 20%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring/Recordkeeping/Reporting:

As detailed in Core Permit Requirements.

EU0070 – CASCADE CONDITIONER 1 EU0080 – CRACKING AND DEHULLING		
Emission Unit	Description	2008 EIQ Reference #
EU0070	Cascade Conditioner 1: conditioning of soybeans to prepare for flaker; MHDR 100 ton/hr; controlled by a cyclone; installation date 1994	EP-13B
EU0080	Cracking and Dehulling: exhaust from dehulling operations; MHDR 100 ton/hr; controlled by a cyclone; installation date 1994	EP-13C

PERMIT CONDITION (EU0070 and EU0080)-001

10 CSR 10-6.060 Construction Permits Required

Missouri Department of Natural Resources Construction Permit 0794-006, Issued July 11, 1994

Operational Specifications:

This facility shall vent the hot dehulling process (EU0070 and EU0080) to high efficiency cyclones. These high efficiency cyclones shall be in use at all times that these emission sources are in operation, and shall be operated and maintained in accordance with the manufacturer's specifications so as to achieve optimum particulate emission reduction. [Construction Permit 0794-006, Special Condition 2]

Reporting:

The permittee shall report any deviations from this permit condition using the semi-annual monitoring report and annual compliance certification to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10- 6.065(6)(C)1.C.(III).

PERMIT CONDITION (EU0070 and EU0080)-002

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 20%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring/Recordkeeping/Reporting:

As detailed in Core Permit Requirements.

PERMIT CONDITION EU0080-003

10 CSR 10-6.400 Restriction of Emissions of Particulate Matter from Industrial Processes

Emission Limitation:

- 1) Particulate matter shall not be emitted from Cracking and Dehulling (EU0080) in excess of 51.28 lb/hr.
- 2) The concentration of particulate matter in the exhaust gases shall not exceed 0.30 gr/scf.

Monitoring:

- 1) The permittee shall conduct the following monitoring for the cyclone control device:
 - a) Inspect the solids discharge valve for proper operation weekly.
 - b) Inspect the structural components, including the cyclone ductwork and hoods for leaks and component failures every six months.
 - c) Verify that the inlet and outlet ductwork is in proper operating condition annually.
 - d) Check the barrel and collecting tube for deposits and/or excess wear annually. Clean and repair as needed.

Recordkeeping:

- 1) The permittee shall maintain a written record of all observations, deficiencies and any action resulting from inspections.
- 2) All records shall be maintained for five years.
- 3) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon their verbal request and presentation of identification.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the semi-annual monitoring report and annual compliance certification to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

EU0090 – HULL GRINDER		
Emission Unit	Description	2008 EIQ Reference #
EU0090	Hull Grinder: aspiration from the grinding of hulls; MHDR 100 ton/hr; controlled by cyclone and baghouse; modified 2008	EP-14

PERMIT CONDITION EU0090-001
10 CSR 10-6.060 Construction Permits Required
Missouri Department of Natural Resources Construction Permit 0794-006, Issued July 11, 1994

Operational Specifications:

The whole bean cleaning screeners and aspirators, de-stoner, pod grinder, secondary dehulling screener and secondary aspirator (collectively Emission Point No. 14) shall be vented to high efficiency cyclones and a baghouse. These high efficiency cyclones and baghouse shall be in use at all times that these emission sources are in operation, and shall be operated and maintained in accordance with the manufacturer's specifications so as to achieve optimum particulate emission reduction. The baghouse shall be equipped with a gauge or meter which indicates the pressure drop across the baghouse. The gauge or meter shall be located such that it may be easily observed by Department of Natural Resources' employees. Replacement bags shall be kept on hand at all times. [Construction Permit 0794-006, Special Condition 2]

Reporting:

The permittee shall report any deviations from this permit condition using the semi-annual monitoring report and annual compliance certification to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10- 6.065(6)(C)1.C.(III).

PERMIT CONDITION EU0090-002
10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 20%.

- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring/Recordkeeping/Reporting:

As detailed in Core Permit Requirements.

PERMIT CONDITION EU0090-003

10 CSR 10-6.400 Restriction of Emissions of Particulate Matter from Industrial Processes

Emission Limitation:

- 1) Particulate matter shall not be emitted from Hull Grinder (EU0090) in excess of 51.28 lb/hr.
- 2) The concentration of particulate matter in the exhaust gases shall not exceed 0.30 gr/scf.

Monitoring:

- 1) Baghouse: The permittee shall check and document the baghouse pressure drop daily, whenever the emission unit is in operation. If the pressure drop falls out of the normal operating range, corrective action shall be taken as soon as practicable but within eight hours to return the pressure drop to normal.
 - a) Check and document the cleaning sequence of the baghouse every six months.
 - b) Inspect bags for leaks and wear annually.
 - c) Inspect all components that are not subject to wear or plugging, including structural components, housing, ducts and hoods every six months.
- 2) Cyclone: The permittee shall conduct the following monitoring for the cyclone control device:
 - a) Inspect the solids discharge valve for proper operation weekly.
 - b) Inspect the structural components, including the cyclone ductwork and hoods for leaks and component failures every six months.
 - c) Verify that the inlet and outlet ductwork is in proper operating condition annually.
 - d) Check the barrel and collecting tube for deposits and/or excess wear annually. Clean and repair as needed.

Recordkeeping:

- 1) The permittee shall document all pressure drop readings.
- 2) The permittee shall maintain a written record of all observations, deficiencies and any action resulting from inspections.
- 3) All records shall be maintained for five years.
- 4) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon their verbal request and presentation of identification.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the semi-annual monitoring report and annual compliance certification to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

EU0100 – PELLET COOLER		
Emission Unit	Description	2008 EIQ Reference #
EU0100	Pellet Cooler: aspiration from cooling of millfeed, extracted from soybeans, to make food pellets; MHDR 10 ton/hr; controlled by cyclone; installation date 1994	EP-15.4

PERMIT CONDITION EU0100-001
10 CSR 10-6.060 Construction Permits Required
Missouri Department of Natural Resources Construction Permit 0994-001, Issued August 4, 1994

Operational Specifications:

The Kice High Efficiency Cyclone shall be used at all times when the mill feed pellet cooler (EU0100) is in operation. [Construction Permit 0994-001, Special Condition 1]

Recordkeeping:

A copy of Construction Permit 0994-001 shall be kept on-site and made immediately available to Missouri Department of Natural Resources' personnel upon verbal request. [Construction Permit 0994-001, Special Condition 5]

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the semi-annual monitoring report and annual compliance certification to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

PERMIT CONDITION EU0100-002
10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 20%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring/Recordkeeping/Reporting:

As detailed in Core Permit Requirements.

PERMIT CONDITION EU0100-003
10 CSR 10-6.400 Restriction of Emissions of Particulate Matter from Industrial Processes

Emission Limitation:

- 1) Particulate matter shall not be emitted from Pellet Cooler (EU0100) in excess of 19.18 lb/hr.
- 2) The concentration of particulate matter in the exhaust gases shall not exceed 0.30 gr/scf.

Monitoring:

- 1) The permittee shall conduct the following monitoring for the cyclone control device:
 - a) Inspect the solids discharge valve for proper operation weekly.
 - b) Inspect the structural components, including the cyclone ductwork and hoods for leaks and component failures every six months.
 - c) Verify that the inlet and outlet ductwork is in proper operating condition annually.
 - d) Check the barrel and collecting tube for deposits and/or excess wear annually. Clean and repair as needed.

Recordkeeping:

- 1) The permittee shall maintain a written record of all observations, deficiencies and any action resulting from inspections.
- 2) All records shall be maintained for five years.
- 3) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon their verbal request and presentation of identification.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the semi-annual monitoring report and annual compliance certification to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

EU0110 – FLAKERS		
Emission Unit	Description	2008 EIQ Reference #
EU0110	Flakers: aspiration for 14 flakers; flakers are used to crush soybeans; MHDR 165 ton/hr; controlled by cyclone; modified 2008	EP-19

PERMIT CONDITION EU0110-001
10 CSR 10-6.060 Construction Permits Required
Missouri Department of Natural Resources Construction Permits 052007-007 & 052007-007A,
Issued May 16, 2007 and Amended on March 17, 2011

Emission Limitation:

Ag Processing, Inc. shall comply with the Flakers (EU0110) PM₁₀ emission limit of 2.49 lb/hr. [Construction Permit 052007-007A, Special Condition 4.A.]

Operational Specifications:

Ag Processing, Inc. shall control emissions from the Flakers (EU0110) using cyclones as specified in the application for Construction Permit 052007-007. [Construction Permit 052007-007, Special Condition 8.B]

Monitoring/Recordkeeping:

- 1) Ag Processing, Inc. shall inspect all cyclone solids discharge valves at least once per week to ensure proper operation. [Construction Permit 052007-007, Special Condition 8.F]
- 2) Ag Processing, Inc. shall monitor airflow rate, pressure drop or fan operation at least once per day to ensure proper operation of all cyclones. [Construction Permit 052007-007, Special Condition 8.G]

- 3) Ag Processing, Inc. shall maintain an operating and maintenance log for the cyclones which shall include the following: [Construction Permit 052007-007, Special Condition 8.H]
 - a) Incidents of malfunction, with impact on emissions, duration of event, probable cause, and corrective actions; and
 - b) Maintenance activities, with inspection schedule, repair actions, and replacements, etc.
- 4) All records shall be maintained for five years.
- 5) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon their verbal request and presentation of identification.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the semi-annual monitoring report and annual compliance certification to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

PERMIT CONDITION EU0110-002

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 20%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring/Recordkeeping/Reporting:

As detailed in Core Permit Requirements.

EU0120 – BULK DE STORAGE		
Emission Unit	Description	2008 EIQ Reference #
EU0120	Bulk DE Storage: bulk DE storage for degumming; MHDR 8 ton/hr; controlled with baghouse; installation date 1992; modified 2008	EP-27

PERMIT CONDITION EU0120-001

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 20%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring/Recordkeeping/Reporting:

As detailed in Core Permit Requirements.

EU0140 – MEAL GRINDING		
Emission Unit	Description	2008 EIQ Reference #
EU0140	Meal Grinding: aspiration from grinding of soybean meal; MHDR 121 ton/hr; controlled by baghouse; installation date 1975; modified 2008	EP-30

PERMIT CONDITION EU0140-001
10 CSR 10-6.060 Construction Permits Required
Missouri Department of Natural Resources Construction Permit 052007-007, Issued May 16, 2007

Emission Limitation:

Ag Processing, Inc. shall comply with the Meal Grinding (EU0140) PM₁₀ emission limit of 0.51 lb/hr. [Construction Permit 052007-007, Special Condition 7.B]

Operational Specification:

Ag Processing, Inc. shall control emissions from the Meal Grinding (EU0140) using baghouses as specified in the application for Construction Permit 052007-007. The baghouses shall be operated and maintained in accordance with the manufacturer's specifications. The baghouse shall be equipped with a gauge or meter, which indicates the pressure drop across the control device. These gauges or meters shall be located such that the Department of Natural Resources' employees may easily observe them. Replacement filters for the baghouses shall be kept on hand at all times. The bags shall be made of fibers appropriate for operating conditions expected to occur (i.e. temperature limits, acidic and alkali resistance, and abrasion resistance). [Construction Permit 052007-007, Special Condition 7.A]

Monitoring/Recordkeeping:

- 1) Ag Processing, Inc. shall monitor and record the operating pressure drop across the baghouse(s) at least once per day. The operating pressure drop shall be maintained within the design conditions specified by the manufacturer's performance warranty. [Construction Permit 052007-007, Special Condition 7.C]
- 2) Ag Processing, Inc. shall maintain an operating and maintenance log for the baghouses which shall include the following: [Construction Permit 052007-007, Special Condition 7.D]
 - a) Incidents of malfunction, with impact on emissions, duration of event, probable cause, and corrective actions; and
 - b) Maintenance activities, with inspection schedule, repair actions, and replacements, etc.
- 3) All records shall be maintained for five years.
- 4) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon their verbal request and presentation of identification.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the semi-annual monitoring report and annual compliance certification to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

PERMIT CONDITION EU0140-002

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 20%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring/Recordkeeping/Reporting:

As detailed in Core Permit Requirements.

EU0150 – TRUCK MEAL LOADOUT

Emission Unit	Description	2008 EIQ Reference #
EU0150	Truck Meal Loadout: aspiration from truck loadout of soy meal; MHDR 250 ton/hr; controlled with baghouse; installation date 1992; modified 2008	EP-31

PERMIT CONDITION EU0150-001

10 CSR 10-6.060 Construction Permits Required

Missouri Department of Natural Resources Construction Permit 1192-013, Issued November 16, 1992, Amended December 3, 2003

Operational Specifications:

- 1) The Truck Meal Loadout (EU0150) loadout conveyors shall be aspirated to a baghouse (BH-602), and the loadout shed shall be hooded and aspirated to a baghouse (BH-602). The baghouse shall be in use at all times that these facilities are in operation, and shall be operated and maintained in accordance with the manufacturer's specifications. The baghouse shall be equipped with gauges or meters that indicate the pressure drop across the baghouse. These gauges or meters shall be located such that Department of Natural Resources' employees may easily observe them. Replacement bags shall be kept on hand at all times. [Construction Permit 1192-013, Special Condition 2]
- 2) A minimum of wet system controls including water application is required to be implemented on all dust sources including, but not limited to, vehicular traffic areas when conditions exist which would otherwise cause a violation of Missouri Rule 10 CSR 10-6.170, *Restriction of Particulate Matter from Becoming Airborne* or Missouri Rule 10 CSR 10-6.220, *Restriction of Emission of Visible Air Contaminants*. [Construction Permit 1192-013, Special Condition 3]
- 3) The truck loadout shed shall be enclosed at all times other than when trucks are entering or exiting the shed. The entrance and exit doors of the truck loadout shed shall not be open at the same time. [Construction Permit 1192-013, Special Condition 4]

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the semi-annual monitoring report and annual compliance certification to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

PERMIT CONDITION EU0150-002

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 20%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring/Recordkeeping/Reporting:

As detailed in Core Permit Requirements.

PERMIT CONDITION EU0150-003

10 CSR 10-6.400 Restriction of Emissions of Particulate Matter from Industrial Processes

Emission Limitation:

- 1) The permittee shall not emit particulate matter from the Truck Meal Loadout (EU0150) in excess of 60.96 lb/hr.
- 2) The permittee shall not emit particulate matter from any source in a concentration in excess of 0.30 grain per standard cubic feet of exhaust gases.

Monitoring:

- 1) The baghouse shall be maintained such that the pressure drop remains in the normal operating range whenever the emission units are in operation.
- 2) All instruments and control equipment shall be calibrated, maintained, and operated according to the manufacturer's specifications and recommendations.
- 3) Check and document the baghouse pressure drop daily, whenever the emission unit is in operation. If the pressure drop falls out of the normal operating range, corrective action shall be taken as soon as practicable but within eight hours to return the pressure drop to normal.
- 4) Check and document the cleaning sequence of the baghouse every six months.
- 5) Inspect bags for leaks and wear annually.
- 6) Inspect all components that are not subject to wear or plugging, including structural components, housing, ducts and hoods every six months.

Recordkeeping:

- 1) The permittee shall document all pressure drop readings and bag replacements.
- 2) All inspections, corrective actions, and instrument calibration shall be recorded.
- 3) All records shall be maintained for five years.
- 4) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon their verbal request and presentation of identification.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the semi-annual monitoring report and annual compliance certification to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

EU0160 – RAIL MEAL LOADOUT		
Emission Unit	Description	2008 EIQ Reference #
EU0160	Rail Meal Loadout: aspiration from rail loadout of soy meal; MHDR 500 ton/hr; controlled with baghouse; installation date 2008	EP-57

PERMIT CONDITION EU0160-001
10 CSR 10-6.060 Construction Permits Required
Missouri Department of Natural Resources Construction Permit 052007-007, Issued May 16, 2007

Emission Limitation:

Ag Processing, Inc. shall comply with the Rail Meal Loadout (EU0160) PM₁₀ emission limit of 1.11 lb/hr. [Construction Permit 052007-007, Special Condition 7.B]

Operational Specification:

Ag Processing, Inc. shall control emissions from the Rail Meal Loadout (EU0160) using baghouses as specified in the application for Construction Permit 052007-007. The baghouses shall be operated and maintained in accordance with the manufacturer's specifications. The baghouse shall be equipped with a gauge or meter, which indicates the pressure drop across the control device. These gauges or meters shall be located such that the Department of Natural Resources' employees may easily observe them. Replacement filters for the baghouses shall be kept on hand at all times. The bags shall be made of fibers appropriate for operating conditions expected to occur (i.e. temperature limits, acidic and alkali resistance, and abrasion resistance). [Construction Permit 052007-007, Special Condition 7.A]

Monitoring/Recordkeeping:

- 1) Ag Processing, Inc. shall monitor and record the operating pressure drop across the baghouses at least once per day. The operating pressure drop shall be maintained within the design conditions specified by the manufacturer's performance warranty. [Construction Permit 052007-007, Special Condition 7.C]
- 2) Ag Processing, Inc. shall maintain an operating and maintenance log for the baghouses which shall include the following: [Construction Permit 052007-007, Special Condition 7.D]
 - a) Incidents of malfunction, with impact on emissions, duration of event, probable cause, and corrective actions; and
 - b) Maintenance activities, with inspection schedule, repair actions, and replacements, etc.
- 3) All records shall be maintained for five years.
- 4) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon their verbal request and presentation of identification.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the semi-annual monitoring report and annual compliance certification to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

PERMIT CONDITION EU0160-002

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 20%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring/Recordkeeping/Reporting:

As detailed in Core Permit Requirements.

EU0170 – HULL STORAGE TANK		
Emission Unit	Description	2008 EIQ Reference #
EU0170	Hull Storage Tank: vents on the hull storage tank (north); MHDR 60 ton/hr; controlled with Kice CD-24 cyclone and baghouse; installed 1970	EP-31.1

PERMIT CONDITION EU0170-001

10 CSR 10-6.060 Construction Permits Required

Missouri Department of Natural Resources Construction Permit 0994-001, Issued August 4, 1994

Operational Specifications:

- 1) The Vents on the Hull Storage Tank (EU0170) shall remain capped at all times during transfer operations. [Construction Permit 0994-001, Special Condition 2]
- 2) The Hull Storage Tank (EU0170) shall be connected to the Kice CD-24 cyclone at all times during plant operation. [Construction Permit 0994-001, Special Condition 3]

Recordkeeping:

A copy of Construction Permit 0994-001 shall be kept on-site and made immediately available to Missouri Department of Natural Resources' personnel upon verbal request. [Construction Permit 0994-001, Special Condition 5]

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the semi-annual monitoring report and annual compliance certification to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

PERMIT CONDITION EU0170-002

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 20%.

- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring/Recordkeeping/Reporting:

As detailed in Core Permit Requirements.

EU0180 – OFF QUALITY STORAGE TANK EU0190 – HI-PRO MEAL STORAGE TANK EU0200 – PELLET STORAGE TANK EU0210 – PELLET STORAGE BIN 7		
Emission Unit	Description	2008 EIQ Reference #
EU0180	Off Quality Storage Tank: meal storage tank (center); MHDR 121 ton/hr; controlled by baghouse; installation date 1970; modified 2008	EP-31.2
EU0190	Hi-Pro Meal Storage Tank: meal storage tank (south); MHDR 121 ton/hr; controlled by baghouse; installation date 1970; modified 2008	EP-31.3
EU0200	Pellet Storage Tank: MHDR 15 ton/hr; controlled by Kice CD-24 cyclone and baghouse; installation date 1994; modified 2008	EP-31.4
EU0210	Pellet Storage Bin 7: MHDR 15 ton/hr; controlled by baghouse; installation date 2008	EP-58

<p>PERMIT CONDITION (EU0180 through EU0210)-001 10 CSR 10-6.060 Construction Permits Required Missouri Department of Natural Resources Construction Permit 052007-007, Issued May 16, 2007</p>

Operational Specification:

Ag Processing, Inc. shall control emissions from the Off Quality Storage Tank (EU0180), Hi-Pro Meal Storage Tank (EU0190), and Pellet Storage Tank (EU0200), and Pellet Storage Bin 7 (EU0210) using baghouses as specified in the application to Construction Permit 052007-007. The baghouses shall be operated and maintained in accordance with the manufacturer's specifications. The baghouse shall be equipped with a gauge or meter, which indicates the pressure drop across the control device. These gauges or meters shall be located such that the Department of Natural Resources' employees may easily observe them. Replacement filters for the baghouses shall be kept on hand at all times. The bags shall be made of fibers appropriate for operating conditions expected to occur (i.e. temperature limits, acidic and alkali resistance, and abrasion resistance). [Construction Permit 052007-007, Special Condition 7.A]

Monitoring/Recordkeeping:

- 1) Ag Processing, Inc. shall monitor and record the operating pressure drop across the baghouse(s) at least once per day. The operating pressure drop shall be maintained within the design conditions specified by the manufacturer's performance warranty. [Construction Permit 052007-007, Special Condition 7.C]
- 2) Ag Processing, Inc. shall maintain an operating and maintenance log for the baghouses which shall include the following: [Construction Permit 052007-007, Special Condition 7.D]
 - a) Incidents of malfunction, with impact on emissions, duration of event, probable cause, and corrective actions; and
 - b) Maintenance activities, with inspection schedule, repair actions, and replacements, etc.

- 3) All records shall be maintained for five years.
- 4) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon their verbal request and presentation of identification.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the semi-annual monitoring report and annual compliance certification to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

PERMIT CONDITION EU0200-002

10 CSR 10-6.060 Construction Permits Required

Missouri Department of Natural Resources Construction Permit 0994-001, Issued August 4, 1994

Operational Specifications:

Pellet Storage Tank (EU0200) shall be connected to the Kice CD-24 (or equivalent) cyclone at all times during plant operation. [Construction Permit 0994-001, Special Condition 4]

Recordkeeping:

A copy of Construction Permit 0994-001 shall be kept on-site and made immediately available to Missouri Department of Natural Resources' personnel upon verbal request. [Construction Permit 0994-001, Special Condition 5]

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the semi-annual monitoring report and annual compliance certification to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

PERMIT CONDITION (EU0180 through EU0210)-003

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 20%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring/Recordkeeping/Reporting:

As detailed in Core Permit Requirements.

EU0220 – OUTSIDE BLEACHING STORAGE EU0230 – BULK CLAY RECEIVER		
Emission Unit	Description	2008 EIQ Reference #
EU0220	Outside Bleaching Storage: bleaching clay storage vent; MHDR 3 ton/hr; controlled by baghouse; installation date 1990	EP-44
EU0230	Bulk Clay Receiver: bleaching clay storage tank; MHDR 3 ton/hr; controlled by baghouse; installation date 1990	EP-45

PERMIT CONDITION (EU0220 and EU0230)-001
10 CSR 10-6.060 Construction Permits Required
Missouri Department of Natural Resources Construction Permit 0392-008, Issued March 6, 992

Operational Specification:

Ag Processing Inc. shall implement a baghouse to control the particulate emissions emanating from the proposed bleaching clay storage silo (EU0220), and a baghouse to control particulate emissions emanating from the bleaching clay slurry tank (EU0230). These baghouses shall be in use at all times that the proposed source operations are handling bleaching clay, and shall be operated and maintained in accordance with the manufacturer's specifications. These baghouses shall be equipped with gauges or meters which indicate the pressure drop across the baghouses. These gauges or meters shall be located such that they may be easily observed by Department of Natural Resources' employees. Replacement bags shall be kept on hand at all times. [Construction Permit 0392-008, Special Condition 2]

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the semi-annual monitoring report and annual compliance certification to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

PERMIT CONDITION (EU0220 and EU0230)-002
10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 20%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring/Recordkeeping/Reporting:

As detailed in Core Permit Requirements.

EU0240 – BEAN HEATER ASPIRATOR EU0250 – JET DRYER EU0260 – SECONDARY DEHULLING EU0270 – CASCADE COOLER EU0280 – CASCADE CONDITIONER 2		
Emission Unit	Description	2008 EIQ Reference #
EU0240	Bean Heater Aspirator: heats soybeans by passing over steam tubes to remove moisture; MHDR 165 ton/hr; controlled by a cyclone; installation date 2008	EP-53
EU0250	Jet Dryer: uses re-circulated air and injected hot air to shrink the hull, releasing the hull/meat bond; MHDR 50 ton/hr; controlled by cyclone; installation date 2008	EP-53
EU0260	Secondary Dehulling: cleaning, cracking and dehulling of soybeans; also referred to as Hot Dehulling; MHDR 50 ton/hr; controlled by a baghouse; installation date 2008	EP-53
EU0270	Cascade Cooler: meal cooler; controlled by a baghouse; MHDR 50 ton/hr; controlled by baghouse; installation date 2008	EP-53
EU0280	Cascade Conditioner 2: conditions soybeans to prepare for flaker; MHDR 50 ton/hr; controlled by baghouse; installation date 2008	EP-53

PERMIT CONDITION (EU0240 through EU0260)-001
 10 CSR 10-6.060 Construction Permits Required
 Missouri Department of Natural Resources Construction Permit 052007-007 & 052007-007A, Issued May 16, 2007 and Amended on March 17, 2011

Emission Limitation:

- 1) Ag Processing, Inc. shall comply with the Bean Heater Aspirator (EU0240), Jet Dryer (EU0250), and Secondary Dehulling (EU0260) combined PM₁₀ emission limit of 3.33 lb/hr. [Construction Permit 052007-007A, Special Condition 4.A]

Operational Specifications:

- 1) Ag Processing, Inc. shall control emissions from the Bean Heater Aspirator (EU0240) and Jet Dryer (EU0250) using cyclones as specified in the application for Construction Permit 052007-007. [Construction Permit 052007-007, Special Condition 8.B]
- 2) Ag Processing, Inc. shall control emissions from the Secondary Dehulling (EU0260) using a baghouse as specified in the application for Construction Permit 052007-007. The baghouse shall be operated and maintained in accordance with the manufacturer's specifications. The baghouse shall be equipped with a gauge or meter, which indicates the pressure drop across the control device. These gauges or meters shall be located such that the Department of Natural Resources' employees may easily observe them. Replacement filters for the baghouses shall be kept on hand at all times. The bags shall be made of fibers appropriate for operating conditions expected to occur (i.e. temperature limits, acidic and alkali resistance, and abrasion resistance). [Construction Permit 052007-007, Special Condition 7.A]

Monitoring/Recordkeeping:

- 1) *Cyclone:* Ag Processing, Inc. shall inspect all cyclone solids discharge valves at least once per week to ensure proper operation. [Construction Permit 052007-007, Special Condition 8.F]

- a) Ag Processing, Inc. shall monitor airflow rate, pressure drop or fan operation at least once per day to ensure proper operation of all cyclones. [Construction Permit 052007-007, Special Condition 8.G]
- b) Ag Processing, Inc. shall maintain an operating and maintenance log for the cyclones which shall include the following: [Construction Permit 052007-007, Special Condition 8.H]
 - i) Incidents of malfunction, with impact on emissions, duration of event, probable cause, and corrective actions; and
 - ii) Maintenance activities, with inspection schedule, repair actions, and replacements, etc.
- 2) *Baghouse*: Ag Processing, Inc. shall monitor and record the operating pressure drop across the baghouse at least once per day. The operating pressure drop shall be maintained within the design conditions specified by the manufacturer's performance warranty. [Construction Permit 052007-007, Special Condition 7.C]
 - a) Ag Processing, Inc. shall maintain an operating and maintenance log for the baghouses which shall include the following: [Construction Permit 052007-007, Special Condition 7.D]
 - i) Incidents of malfunction, with impact on emissions, duration of event, probable cause, and corrective actions; and
 - ii) Maintenance activities, with inspection schedule, repair actions, and replacements, etc.
- 3) All records shall be maintained for five years.
- 4) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon their verbal request and presentation of identification.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the semi-annual monitoring report and annual compliance certification to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

PERMIT CONDITION (EU0240 through EU0280)-002
10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 20%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring/Recordkeeping/Reporting:

As detailed in Core Permit Requirements.

PERMIT CONDITION (EU0260 and EU0270)-003

10 CSR 10-6.400 Restriction of Emissions of Particulate Matter from Industrial Processes

Emission Limitation:

- 1) The permittee shall not emit particulate matter from the Secondary Dehulling (EU0260) in excess of 44.58 lb/hr.

- 2) The permittee shall not emit particulate matter from the Cascade Cooler (EU0270) in excess of 44.58 lb/hr.
- 3) The permittee shall not emit particulate matter from any source in a concentration in excess of 0.30 grain per standard cubic feet of exhaust gases.

Monitoring/Recordkeeping/Reporting:

Secondary Dehulling (EU0260) and the Cascade Cooler (EU0270) are both controlled by the same baghouse. Monitoring, recordkeeping and reporting requirements for this baghouse are established in Permit Condition (EU0240 through EU0260)-001.

EU0290 – EXTRACTION PROCESS EU0300 – DESOLVENTIZING TOASTING (DT) PROCESS EU0310 – SOLVENT STORAGE TANKS		
Emission Unit	Description	2008 EIQ Reference #
EU0290	Extraction Process: shallow bed continuous loop Crown Iron Works extractor; uses hexane to extract soy oil; capacity ~3600 ton/day; controlled by condensers and mineral oil absorption system; capacity ~3600 ton/day; installation date 2008	EP-Source 20
EU0300	Desolventizing Toasting (DT) Process: contact and noncontact steam are used to evaporate hexane; controlled by evaporator(s), condenser(s) and mineral oil absorption system; installation date 2008	EP-Source 20
EU0310	Solvent Storage Tanks: routed to solvent recovery system; installation date 2008	EP-Source 20

<p>PERMIT CONDITION (EU0290 through EU0310)-001 10 CSR 10-6.060 Construction Permits Required Missouri Department of Natural Resources Construction Permit 052007-007, Issued May 16, 2007</p>

Operational Specifications:

- 1) Ag Processing, Inc. shall control emissions from the Extraction Process (EU0290) using condenser(s) and a mineral oil absorption system as specified in the application for Construction Permit 052007-007. The condensers and mineral oil absorption system shall be operated and maintained in accordance with the manufacturer's specifications. [Construction Permit 052007-007, Special Condition 3.A]
- 2) Ag Processing, Inc. shall control emissions from the Desolventizing Toasting (DT) Process (EU0300) using evaporator(s), condenser(s) and a mineral oil absorption system as specified in the application for Construction Permit 052007-007. The evaporators, condensers and mineral oil absorption system shall be operated and maintained in accordance with the manufacturer's specifications. [Construction Permit 052007-007, Special Condition 3.A]
- 3) Ag Processing, Inc. shall route breathing and working losses from the Solvent Storage Tanks (EU0310) to the solvent recovery system. [Construction Permit 052007-007, Special Condition 3.C]
- 4) Ag Processing, Inc. shall install and effectively operate a chiller for the mineral oil absorption system. The mineral oil chiller shall be used during the months of April through October. Operation of the mineral oil chiller is not required November through March. [Construction Permit 052007-007, Special Condition 3.D]

- 5) Ag Processing, Inc. shall install and effectively operate a vapor recovery tray, to be located below the sparge tray of the Desolventizing Toasting ((DT) Process (EU0300). [Construction Permit 052007-007, Special Condition 4]

Monitoring/Recordkeeping:

- 1) Ag Processing, Inc. shall maintain an operating and maintenance log for the evaporators, condensers and the mineral oil absorption system which shall include the following: [Construction Permit 052007-007, Special Condition 3.B]
 - a) Incidents of malfunction, with impact on emissions, duration of event, probable cause, and corrective actions; and
 - b) Maintenance activities, with inspection schedule, repair actions, and replacements, etc.
- 2) All records shall be maintained for five years.
- 3) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon their verbal request and presentation of identification.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the semi-annual monitoring report and annual compliance certification to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

EU0320 – DC TOP DRYER DECK EU0330 – DC MIDDLE DRYER DECK EU0340 – DC BOTTOM DRYER DECK EU0350 – DC COOLER DECK		
Emission Unit	Description	2008 EIQ Reference #
EU0320	DC Top Dryer Deck: injects heated air to dry soybean meal; MHDR 121 ton/hr; controlled by cyclone; installation date 2008	EP-55
EU0330	DC Middle Dryer Deck: injects heated air to dry soybean meal; MHDR 121 ton/hr; controlled by cyclone and wet venture-type scrubber; installation date 2008	EP-55
EU0340	DC Bottom Dryer Deck: injects heated air to dry soybean meal; MHDR 121 ton/hr; controlled by cyclone and wet venture-type scrubber; installation date 2008	EP-55
EU0350	DC Cooler Deck: uses ambient air to cool soybean meal; MHDR 121 ton/hr; controlled by cyclone and wet venture-type scrubber; installation date 2008	EP-55

PERMIT CONDITION (EU0320 through EU0350)-001
10 CSR 10-6.060 Construction Permits Required
Missouri Department of Natural Resources Construction Permit 052007-007, Issued May 16, 2007

Emission Limitation:

- 1) Ag Processing, Inc. shall comply with the combined DC Top Dryer Deck, DC Middle Dryer Deck, DC Bottom Dryer Deck, and DC Cooler Deck (EU0320 through EU0350) PM₁₀ emission limit of 3.02 lb/hr. [Construction Permit 052007-007, Special Condition 8.C]

Operational Specifications:

- 1) Ag Processing, Inc. shall control emissions from the DC Middle Dryer Deck, DC Bottom Dryer Deck and DC Cooler Deck (EU0330 through EU0350) using cyclones (3 cyclones total, one for each deck) and then a wet venturi-type scrubber (for the three cyclone exhaust streams combined) as specified in the application for Construction Permit 052007-007. [Construction Permit 052007-007, Special Condition 8.A]
- 2) Ag Processing, Inc. shall control emissions from DC Top Dryer Deck (EU0320) using cyclones as specified in the application for Construction Permit 052007-007. [Construction Permit 052007-007, Special Condition 8.B]
- 3) The wet scrubber shall be equipped with a gauge or meter, which indicates the pressure drop across the control device. These gauges or meters shall be located such that the Department of Natural Resources' employees may easily observe them. [Construction Permit 052007-007, Special Condition 8.D]

Monitoring/Recordkeeping:

- 1) Ag Processing, Inc. shall monitor and record the operating pressure drop across the wet scrubber at least once per day. The operating pressure drop shall be maintained within the design conditions specified by the manufacturer's performance warranty. [Construction Permit 052007-007, Special Condition 8.E]
- 2) Ag Processing, Inc. shall inspect all cyclone solids discharge valves at least once per week to ensure proper operation. [Construction Permit 052007-007, Special Condition 8.F]
- 3) Ag Processing, Inc. shall monitor airflow rate, pressure drop or fan operation at least once per day to ensure proper operation of all cyclones. [Construction Permit 052007-007, Special Condition 8.G]
- 4) Ag Processing, Inc. shall maintain an operating and maintenance log for the cyclones and the wet scrubber which shall include the following: [Construction Permit 052007-007, Special Condition 8.H]
 - a) Incidents of malfunction, with impact on emissions, duration of event, probable cause, and corrective actions; and
 - b) Maintenance activities, with inspection schedule, repair actions, and replacements, etc.
- 5) All records shall be maintained for five years.
- 6) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon their verbal request and presentation of identification.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the semi-annual monitoring report and annual compliance certification to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

<p>PERMIT CONDITION (EU0320 through EU0350)-002 10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants</p>
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Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 20%.

- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring/Recordkeeping/Reporting:

As detailed in Core Permit Requirements.

EU0360 – MEAL BIN 5 EU0370 – MEAL BIN 6		
Emission Unit	Description	2008 EIQ Reference #
EU0360	Meal Bin 5: 1,500-ton capacity concrete silo for rail meal loadout; MHDR 121 ton/hr; controlled with baghouse; installation date 2008	EP-59
EU0370	Meal Bin 6: 1,500-ton capacity concrete silo for rail meal loadout; MHDR 121 ton/hr; controlled with baghouse; installation date 2008	EP-60

PERMIT CONDITION (EU0360 and EU0370)-001

10 CSR 10-6.060 Construction Permits Required

Missouri Department of Natural Resources Construction Permit 052007-007, Issued May 16, 2007

Operational Specification:

Ag Processing, Inc. shall control emissions from Meal Bin 5 (EU0360) and Meal Bin 6 (EU0370) using baghouses as specified in the application for Construction Permit 052007-007. The baghouses shall be operated and maintained in accordance with the manufacturer's specifications. The baghouse shall be equipped with a gauge or meter, which indicates the pressure drop across the control device. These gauges or meters shall be located such that the Department of Natural Resources' employees may easily observe them. Replacement filters for the baghouses shall be kept on hand at all times. The bags shall be made of fibers appropriate for operating conditions expected to occur (i.e. temperature limits, acidic and alkali resistance, and abrasion resistance). [Construction Permit 052007-007, Special Condition 7.A]

Monitoring/Recordkeeping:

- 1) Ag Processing, Inc. shall monitor and record the operating pressure drop across the baghouses at least once per day. The operating pressure drop shall be maintained within the design conditions specified by the manufacturer's performance warranty. [Construction Permit 052007-007, Special Condition 7.C]
- 2) Ag Processing, Inc. shall maintain an operating and maintenance log for the baghouses which shall include the following: [Construction Permit 052007-007, Special Condition 7.D]
 - a) Incidents of malfunction, with impact on emissions, duration of event, probable cause, and corrective actions; and
 - b) Maintenance activities, with inspection schedule, repair actions, and replacements, etc.
- 3) All records shall be maintained for five years.
- 4) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon their verbal request and presentation of identification.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the semi-annual monitoring report and annual compliance certification to the Air Pollution Control Program's

Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

PERMIT CONDITION (EU0360 and EU0370)-002
10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 20%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring/Recordkeeping/Reporting:

As detailed in Core Permit Requirements.

EU0380 – CRUDE OIL RECEIVING		
Emission Unit	Description	2008 EIQ Reference #
EU0380	Crude Oil Receiving: receiving of crude oil from off-site sources by either truck or rail	Source 46

PERMIT CONDITION EU0380-001

10 CSR 10-6.060 Construction Permits Required

Missouri Department of Natural Resources Construction Permit 092001-004, Issued August 17, 2001

Emission Limitation:

- 1) The Special Conditions established in Construction Permit 092001-004 shall supercede Special Condition 1 and Condition 3 of New Source Review Permit (NSR) Permit 0392-008 for this installation. [Construction Permit 092001-004, Special Condition I.A]
- 2) Ag Processing, Inc. shall not exceed an average concentration of 220 parts per million (ppm) of residual hexane in the incoming crude oil to the refinery operations at this installation in any consecutive 12-month period. [Construction Permit 092001-004, Special Condition II.A]
- 3) Ag Processing, Inc. shall test the incoming crude to the refinery operations at least once every week that the refinery plant is in operation to determine the residual hexane concentration. [Construction Permit 092001-004, Special Condition II.B]

Monitoring/Recordkeeping:

- 1) Ag Processing, Inc. shall maintain an accurate record of the average concentration of residual hexane contained in the incoming crude oil to the refinery operations at this installation. Ag Processing, Inc. shall record the monthly and running 12-month average concentrations of residual hexane in the incoming crude oil to the refinery operations. Ag Processing, Inc. shall use Attachment E or an equivalent form for this purpose. [Construction Permit 092001-004, Special Condition II.C]
- 2) Ag Processing, Inc. shall develop and keep a plan, on site, for an on-going program of inspection and preventative maintenance activities at the refinery operations. [Construction Permit 092001-004, Special Condition IV.A]

- 3) Ag Processing, Inc. shall maintain an operating and maintenance log for the maintenance activities conducted at the refinery operations. [Construction Permit 092001-004, Special Condition IV.B]
- 4) Ag Processing, Inc. shall maintain records on-site for the most recent 60 months of all records required by this permit condition and shall immediately make such records available to any Missouri Department of Natural Resources' (Department) personnel upon request. [Construction Permit 092001-004, Special Condition II.D]

Reporting:

- 1) Ag Processing, Inc. shall report to the Air Pollution Control Program's Enforcement Section, P. O. Box 176, Jefferson City, MO 65102, no later than ten (10) days after the end of each month, if the 12-month average concentration of hexane records (Condition II.B) shows that the average hexane concentration restriction of Condition II.A was exceeded. [Construction Permit 092001-004, Special Condition 2.E]
- 2) If a continuing situation of demonstrated nuisance odors from the refinery operations exists in violation of Missouri Rule 10 CSR 10-2.070, *Restriction of Emission of Odors*, the Director may require Ag Processing, Inc. to submit a corrective action plan within ten (10) days adequate to timely and significantly mitigate the odors. AG Processing, Inc. shall implement any such plan immediately upon its approval by the Director. Failure to either submit or implement such a plan shall be a violation of the permit. [Construction Permit 092001-004, Special Condition V.A]

IV. Core Permit Requirements

The installation shall comply with each of the following regulations or codes. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect as of the date that this permit is issued. The following is only an excerpt from the regulation or code, and is provided for summary purposes only.

10 CSR 10-6.045 Open Burning Requirements

- 1) General Provisions. The open burning of tires, petroleum-based products, asbestos containing materials, and trade waste is prohibited, except as allowed below. Nothing in this rule may be construed as to allow open burning which causes or constitutes a public health hazard, nuisance, a hazard to vehicular or air traffic, nor which violates any other rule or statute.
- 2) Refer to the regulation for a complete list of allowances. The following is a listing of exceptions to the allowances:
 - a) Burning of household or domestic refuse. Burning of household or domestic refuse is limited to open burning on a residential premises having not more than four dwelling units, provided that the refuse originates on the same premises, with the following exceptions:
 - i) Kansas City metropolitan area. The open burning of household refuse must take place in an area zoned for agricultural purposes and outside that portion of the metropolitan area surrounded by the corporate limits of Kansas City and every contiguous municipality;
 - ii) Springfield-Greene County area. The open burning of household refuse must take place outside the corporate limits of Springfield and only within areas zoned A-1, Agricultural District;
 - iii) St. Joseph area. The open burning of household refuse must take place within an area zoned for agricultural purposes and outside that portion of the metropolitan area surrounded by the corporate limits of St. Joseph; and
 - iv) St. Louis metropolitan area. The open burning of household refuse is prohibited;
 - b) Yard waste, with the following exceptions:
 - i) Kansas City metropolitan area. The open burning of trees, tree leaves, brush or any other type of vegetation shall require an open burning permit;
 - ii) Springfield-Greene County area. The City of Springfield requires an open burning permit for the open burning of trees, brush or any other type of vegetation. The City of Springfield prohibits the open burning of tree leaves;
 - iii) St. Joseph area. Within the corporate limits of St. Joseph, the open burning of trees, tree leaves, brush or any other type of vegetation grown on a residential property is allowed during the following calendar periods and time-of-day restrictions:
 - (1) A three (3)-week period within the period commencing the first day of March through April 30 and continuing for twenty-one (21) consecutive calendar days;
 - (2) A three (3)-week period within the period commencing the first day of October through November 30 and continuing for twenty-one (21) consecutive calendar days;
 - (3) The burning shall take place only between the daytime hours of 10:00 a.m. and 3:30 p.m.; and
 - (4) In each instance, the twenty-one (21)-day burning period shall be determined by the Director of Public Health and Welfare of the City of St. Joseph for the region in which the City of St. Joseph is located provided, however, the burning period first shall receive the approval of the Department Director; and

- iv) St. Louis metropolitan area. The open burning of trees, tree leaves, brush or any other type of vegetation is limited to the period beginning September 16 and ending April 14 of each calendar year and limited to a total base area not to exceed sixteen (16) square feet. Any open burning shall be conducted only between the hours of 10:00 a.m. and 4:00 p.m. and is limited to areas outside of incorporated municipalities;
- 3) Certain types of materials may be open burned provided an open burning permit is obtained from the Director. The permit will specify the conditions and provisions of all open burning. The permit may be revoked if the owner or operator fails to comply with the conditions or any provisions of the permit.
- 4) Ag Processing, Inc. may be issued an annually renewable open burning permit for open burning provided that an air curtain destructor or incinerator is utilized and only tree trunks, tree limbs, vegetation or untreated wood waste are burned. Open burning shall occur at least two hundred (200) yards from the nearest occupied structure unless the owner or operator of the occupied structure provides a written waiver of this requirement. Any waiver shall accompany the open burning permit application. The permit may be revoked if Ag Processing, Inc. fails to comply with the provisions or any condition of the open burning permit.
 - a) In a nonattainment area, as defined in 10 CSR 10-6.020, Paragraph (2)(N)5., the Director shall not issue a permit under this section unless the owner or operator can demonstrate to the satisfaction of the Director that the emissions from the open burning of the specified material would be less than the emissions from any other waste management or disposal method.
- 5) Reporting and Recordkeeping. New Source Performance Standard (NSPS) 40 CFR Part 60 Subpart CCCC establishes certain requirements for air curtain destructors or incinerators that burn wood trade waste. These requirements are established in 40 CFR 60.2245-60.2260. The provisions of 40 CFR Part 60 Subpart CCCC promulgated as of September 22, 2005, shall apply and are hereby incorporated by reference in this rule, as published by the U.S. Government Printing Office, 732 N Capitol Street NW, Washington, DC 20401. To comply with NSPS 40 CFR 60.2245-60.2260, sources must conduct an annual Method 9 test. A copy of the annual Method 9 test results shall be submitted to the Director.
- 6) Test Methods. The visible emissions from air pollution sources shall be evaluated as specified by 40 CFR Part 60, Appendix A–Test Methods, Method 9–Visual Determination of the Opacity of Emissions from Stationary Sources. The provisions of 40 CFR Part 60, Appendix A, Method 9 promulgated as of December 23, 1971, is incorporated by reference in this rule, as published by the U.S. Government Printing Office, 732 N Capitol Street NW, Washington, DC 20401.

10 CSR 10-6.050 Start-up, Shutdown and Malfunction Conditions
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- 1) In the event of a malfunction, which results in excess emissions that exceed one hour, the permittee shall submit to the Director within two business days, in writing, the following information:
 - a) Name and location of installation;
 - b) Name and telephone number of person responsible for the installation;
 - c) Name of the person who first discovered the malfunction and precise time and date that the malfunction was discovered.
 - d) Identity of the equipment causing the excess emissions;
 - e) Time and duration of the period of excess emissions;
 - f) Cause of the excess emissions;
 - g) Air pollutants involved;
 - h) Best estimate of the magnitude of the excess emissions expressed in the units of the applicable requirement and the operating data and calculations used in estimating the magnitude;

- i) Measures taken to mitigate the extent and duration of the excess emissions; and
 - j) Measures taken to remedy the situation that caused the excess emissions and the measures taken or planned to prevent the recurrence of these situations.
- 2) The permittee shall submit the Paragraph 1 information list to the Director in writing at least ten days prior to any maintenance, start-up or shutdown, which is expected to cause an excessive release of emissions that exceed one hour. If notice of the event cannot be given ten days prior to the planned occurrence, it shall be given as soon as practicable prior to the release. If an unplanned excess release of emissions exceeding one hour occurs during maintenance, start-up or shutdown, the Director shall be notified verbally as soon as practical during normal working hours and no later than the close of business of the following working day. A written notice shall follow within ten working days.
 - 3) Upon receipt of a notice of excess emissions issued by an agency holding a certificate of authority under Section 643.140, RSMo, the permittee may provide information showing that the excess emissions were the consequence of a malfunction, start-up or shutdown. The information, at a minimum, should be the Paragraph 1 list and shall be submitted not later than 15 days after receipt of the notice of excess emissions. Based upon information submitted by the permittee or any other pertinent information available, the Director or the commission shall make a determination whether the excess emissions constitute a malfunction, start-up or shutdown and whether the nature, extent and duration of the excess emissions warrant enforcement action under Section 643.080 or 643.151, RSMo.
 - 4) Nothing in this rule shall be construed to limit the authority of the Director or commission to take appropriate action, under Sections 643.080, 643.090 and 643.151, RSMo to enforce the provisions of the Air Conservation Law and the corresponding rule.
 - 5) Compliance with this rule does not automatically absolve the permittee of liability for the excess emissions reported.

10 CSR 10-6.060 Construction Permits Required

The permittee shall not commence construction, modification, or major modification of any installation subject to this rule, begin operation after that construction, modification, or major modification, or begin operation of any installation which has been shut down longer than five years without first obtaining a permit from the permitting authority.

10 CSR 10-6.065 Operating Permits

The permittee shall file a complete application for renewal of this operating permit at least six months before the date of permit expiration. In no event shall this time be greater than eighteen months. [10 CSR 10-6.065(6)(B)1.A(V)] The permittee shall retain the most current operating permit issued to this installation on-site. [10 CSR 10-6.065(6)(C)1.C(II)] The permittee shall immediately make such permit available to any Missouri Department of Natural Resources' personnel upon request. [10 CSR 10-6.065(6)(C)3.B]

10 CSR 10-6.110 Submission of Emission Data, Emission Fees and Process Information

- 1) The permittee shall complete and submit an Emission Inventory Questionnaire (EIQ) annually.
- 2) The permittee may be required by the Director to file additional reports.
- 3) Public Availability of Emission Data and Process Information. Any information obtained pursuant to the rule(s) of the Missouri Air Conservation Commission that would not be entitled to confidential treatment under 10 CSR 10-6.210 shall be made available to any member of the public upon request.

- 4) The permittee shall pay an annual emission fee per ton of regulated air pollutant emitted according to the schedule in the rule. This fee is an emission fee assessed under authority of RSMo. 643.079 to satisfy the requirements of the Federal Clean Air Act, Title V.
- 5) The permittee shall complete required reports on state supplied EIQ forms or in a form satisfactory to the Director and the reports shall be submitted to the Director by June 1 after the end of each reporting period.
- 6) The reporting period shall end on December 31 of each calendar year. Each report shall contain the required information for each emission unit for the twelve (12)-month period immediately preceding the end of the reporting period.
- 7) The permittee shall collect, record and maintain the information necessary to complete the required forms during each year of operation of the installation.

10 CSR 10-6.130 Controlling Emissions During Episodes of High Air Pollution Potential

This rule specifies the conditions that establish an air pollution alert (yellow/orange/red/purple), or emergency (maroon) and the associated procedures and emission reduction objectives for dealing with each. The permittee shall submit an appropriate emergency plan if required by the Director.

10 CSR 10-6.150 Circumvention

The permittee shall not cause or permit the installation or use of any device or any other means which, without resulting in reduction in the total amount of air contaminant emitted, conceals or dilutes an emission or air contaminant which violates a rule of the Missouri Air Conservation Commission.

10 CSR 10-6.170

Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin

Emission Limitation:

- 1) The permittee shall not cause or allow to occur any handling, transporting or storing of any material; construction, repair, cleaning or demolition of a building or its appurtenances; construction or use of a road, driveway or open area; or operation of a commercial or industrial installation without applying reasonable measures as may be required to prevent, or in a manner which allows or may allow, fugitive particulate matter emissions to go beyond the premises of origin in quantities that the particulate matter may be found on surfaces beyond the property line of origin. The nature or origin of the particulate matter shall be determined to a reasonable degree of certainty by a technique proven to be accurate and approved by the Director.
- 2) The permittee shall not cause nor allow to occur any fugitive particulate matter emissions to remain visible in the ambient air beyond the property line of origin.
- 3) Should it be determined that noncompliance has occurred, the Director may require reasonable control measures as may be necessary. These measures may include, but are not limited to, the following:
 - a) Revision of procedures involving construction, repair, cleaning and demolition of buildings and their appurtenances that produce particulate matter emissions;
 - b) Paving or frequent cleaning of roads, driveways and parking lots;
 - c) Application of dust-free surfaces;
 - d) Application of water; and
 - e) Planting and maintenance of vegetative ground cover.

Monitoring:

The permittee shall conduct inspections of its facilities sufficient to determine compliance with this regulation. If the permittee discovers a violation, the permittee shall undertake corrective action to eliminate the violation.

The permittee shall maintain the following monitoring schedule:

- 1) The permittee shall conduct weekly observations for a minimum of eight (8) consecutive weeks after permit issuance.
- 2) Should no violation of this regulation be observed during this period then-
 - a) The permittee may observe once every two (2) weeks for a period of eight (8) weeks.
 - b) If a violation is noted, monitoring reverts to weekly.
 - c) Should no violation of this regulation be observed during this period then-
 - i) The permittee may observe once per month.
 - ii) If a violation is noted, monitoring reverts to weekly.
- 3) If the permittee reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner to the initial monitoring frequency.

Recordkeeping:

The permittee shall document all readings on Attachment A, or its equivalent, noting the following:

- 1) Whether air emissions (except water vapor) remain visible in the ambient air beyond the property line of origin.
- 2) Whether the visible emissions were normal for the installation.
- 3) Whether equipment malfunctions contributed to an exceedance.
- 4) Any violations and any corrective actions undertaken to correct the violation.

10 CSR 10-6.180 Measurement of Emissions of Air Contaminants

- 1) The Director may require any person responsible for the source of emission of air contaminants to make or have made tests to determine the quantity or nature, or both, of emission of air contaminants from the source. The Director may specify testing methods to be used in accordance with good professional practice. The Director may observe the testing. All tests shall be performed by qualified personnel.
- 2) The Director may conduct tests of emissions of air contaminants from any source. Upon request of the Director, the person responsible for the source to be tested shall provide necessary ports in stacks or ducts and other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of the emission of air contaminants.
- 3) The Director shall be given a copy of the test results in writing and signed by the person responsible for the tests.

10 CSR 10-2.070 Restriction of Emission of Odors

This requirement is not federally enforceable.

No person may cause, permit or allow the emission of odorous matter in concentrations and frequencies or for durations that odor can be perceived when one volume of odorous air is diluted with seven volumes of odor-free air for two separate trials not less than 15 minutes apart within the period of one hour.

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions in excess of the limits specified by this rule. This permit will contain the opacity limits identified (10, 20 or 40 percent) for the specific emission units.

Monitoring:

- 1) The permittee shall conduct opacity readings on each emission unit using the procedures contained in U.S. EPA Test Method 22. The permittee is only required to take readings when the emission unit is operating and when the weather conditions allow. If the permittee observes no visible or other significant emissions using these procedures, then no further observations are required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct a Method 9 observation.
- 2) The permittee must maintain the following monitoring schedule:
 - a) The permittee shall conduct weekly observations for a minimum of eight (8) consecutive weeks after permit issuance.
 - b) Should the permittee observe no violations of this regulation during this period then-
 - i) The permittee may observe once every two (2) weeks for a period of eight (8) weeks.
 - ii) If a violation is noted, monitoring reverts to weekly.
 - iii) Should no violation of this regulation be observed during this period then-
 - (1) The permittee may observe once per month.
 - (2) If a violation is noted, monitoring reverts to weekly.
- 3) If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

The permittee shall maintain records of all observation results using Attachment B (or its equivalent), noting:

- 1) Whether any air emissions (except for water vapor) were visible from the emission units;
- 2) All emission units from which visible emissions occurred;
- 3) Whether the visible emissions were normal for the process;
- 4) The permittee shall maintain records of any equipment malfunctions using Attachment C (or its equivalent), which may contribute to visible emissions; and,
- 5) The permittee shall maintain records of all U.S. EPA Method 9 using Attachment D (or its equivalent), opacity tests performed.

Title VI – 40 CFR Part 82 Protection of Stratospheric Ozone

- 1) The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
 - a) All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to §82.106.
 - b) The placement of the required warning statement must comply with the requirements pursuant to §82.108.
 - c) The form of the label bearing the required warning statement must comply with the requirements pursuant to §82.110.

- d) No person may modify, remove, or interfere with the required warning statement except as described in §82.112.
- 2) The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B:
 - a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to §82.156.
 - b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to §82.158.
 - c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to §82.161.
 - d) Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to §82.166. ("MVAC-like" appliance as defined at §82.152).
 - e) Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to §82.156.
 - f) Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to §82.166.
- 3) If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR Part 82, Subpart A, Production and Consumption Controls.
- 4) If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant.
- 5) The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR Part 82, Subpart G, Significant New Alternatives Policy Program. *Federal Only - 40 CFR Part 82*

10 CSR 10-6.280 Compliance Monitoring Usage

- 1) The permittee is not prohibited from using the following in addition to any specified compliance methods for the purpose of submission of compliance certificates:
 - a) Monitoring methods outlined in 40 CFR Part 64;
 - b) Monitoring method(s) approved for the permittee pursuant to 10 CSR 10-6.065, "Operating Permits", and incorporated into an operating permit; and
 - c) Any other monitoring methods approved by the Director.
- 2) Any credible evidence may be used for the purpose of establishing whether a permittee has violated or is in violation of any such plan or other applicable requirement. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred by a permittee:
 - a) Monitoring methods outlined in 40 CFR Part 64;
 - b) A monitoring method approved for the permittee pursuant to 10 CSR 10-6.065, "Operating Permits", and incorporated into an operating permit; and

- c) Compliance test methods specified in the rule cited as the authority for the emission limitations.
- 3) The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:
 - a) Applicable monitoring or testing methods, cited in:
 - i) 10 CSR 10-6.030, "Sampling Methods for Air Pollution Sources";
 - ii) 10 CSR 10-6.040, "Reference Methods";
 - iii) 10 CSR 10-6.070, "New Source Performance Standards";
 - iv) 10 CSR 10-6.080, "Emission Standards for Hazardous Air Pollutants"; or
 - b) Other testing, monitoring, or information gathering methods, if approved by the Director, that produce information comparable to that produced by any method listed above.

V. General Permit Requirements

The installation shall comply with each of the following requirements. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect as of the date that this permit is issued,

10 CSR 10-6.065(6)(C)1.B Permit Duration

This permit is issued for a term of five years, commencing on the date of issuance. This permit will expire at the end of this period unless renewed.

10 CSR 10-6.065(6)(C)1.C General Recordkeeping and Reporting Requirements

- 1) Recordkeeping
 - a) All required monitoring data and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report or application.
 - b) Copies of all current operating and construction permits issued to this installation shall be kept on-site for as long as the permits are in effect. Copies of these permits shall be made immediately available to any Missouri Department of Natural Resources' personnel upon request.
- 2) Reporting
 - a) All reports shall be submitted to the Air Pollution Control Program's Enforcement Section, P. O. Box 176, Jefferson City, MO 65102.
 - b) The permittee shall submit a report of all required monitoring by:
 - i) October 1st for monitoring which covers the January through June time period, and
 - ii) April 1st for monitoring which covers the July through December time period.
 - iii) Exception. Monitoring requirements which require reporting more frequently than semi annually shall report no later than 30 days after the end of the calendar quarter in which the measurements were taken.
 - c) Each report shall identify any deviations from emission limitations, monitoring, recordkeeping, reporting, or any other requirements of the permit, this includes deviations or Part 64 exceedances.
 - d) Submit supplemental reports as required or as needed. Supplemental reports are required no later than ten days after any exceedance of any applicable rule, regulation or other restriction. All reports of deviations shall identify the cause or probable cause of the deviations and any corrective actions or preventative measures taken.
 - i) Notice of any deviation resulting from an emergency (or upset) condition as defined in Paragraph (6)(C)7.A of 10 CSR 10-6.065 (Emergency Provisions) shall be submitted to the permitting authority either verbally or in writing within two working days after the date on which the emission limitation is exceeded due to the emergency, if the permittee wishes to assert an affirmative defense. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that indicate an emergency occurred and the permittee can identify the cause(s) of the emergency. The permitted installation must show that it was operated properly at the time and that during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or requirements in the permit. The notice must contain a description of the emergency, the steps taken to mitigate emissions, and the corrective actions taken.

- ii) Any deviation that poses an imminent and substantial danger to public health, safety or the environment shall be reported as soon as practicable.
- iii) Any other deviations identified in the permit as requiring more frequent reporting than the permittee's semiannual report shall be reported on the schedule specified in this permit, and no later than ten days after any exceedance of any applicable rule, regulation, or other restriction.
- e) Every report submitted shall be certified by the responsible official, except that, if a report of a deviation must be submitted within ten days after the deviation, the report may be submitted without a certification if the report is resubmitted with an appropriate certification within ten days after that, together with any corrected or supplemental information required concerning the deviation.
- f) The permittee may request confidential treatment of information submitted in any report of deviation.

10 CSR 10-6.065(6)(C)1.D Risk Management Plan Under Section 112(r)

The permittee shall comply with the requirements of 40 CFR Part 68, Accidental Release Prevention Requirements. If the permittee has more than a threshold quantity of a regulated substance in process, as determined by 40 CFR Section 68.115, the permittee shall submit a Risk Management Plan in accordance with 40 CFR Part 68 no later than the latest of the following dates:

- 1) June 21, 1999;
- 2) Three years after the date on which a regulated substance is first listed under 40 CFR Section 68.130; or
- 3) The date on which a regulated substance is first present above a threshold quantity in a process.

10 CSR 10-6.065(6)(C)1.F Severability Clause

In the event of a successful challenge to any part of this permit, all uncontested permit conditions shall continue to be in force. All terms and conditions of this permit remain in effect pending any administrative or judicial challenge to any portion of the permit. If any provision of this permit is invalidated, the permittee shall comply with all other provisions of the permit.

10 CSR 10-6.065(6)(C)1.G General Requirements

- 1) The permittee must comply with all of the terms and conditions of this permit. Any noncompliance with a permit condition constitutes a violation and is grounds for enforcement action, permit termination, permit revocation and re-issuance, permit modification or denial of a permit renewal application.
- 2) The permittee may not use as a defense in an enforcement action that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit
- 3) The permit may be modified, revoked, reopened, reissued or terminated for cause. Except as provided for minor permit modifications, the filing of an application or request for a permit modification, revocation and reissuance, or termination, or the filing of a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- 4) This permit does not convey any property rights of any sort, nor grant any exclusive privilege.
- 5) The permittee shall furnish to the Air Pollution Control Program, upon receipt of a written request and within a reasonable time, any information that the Air Pollution Control Program reasonably may require to determine whether cause exists for modifying, reopening, reissuing or revoking the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to

the Air Pollution Control Program copies of records required to be kept by the permittee. The permittee may make a claim of confidentiality for any information or records submitted pursuant to 10 CSR 10-6.065(6)(C)1.

10 CSR 10-6.065(6)(C)1.H Incentive Programs Not Requiring Permit Revisions

No permit revision will be required for any installation changes made under any approved economic incentive, marketable permit, emissions trading, or other similar programs or processes provided for in this permit.

10 CSR 10-6.065(6)(C)3 Compliance Requirements

- 1) Any document (including reports) required to be submitted under this permit shall contain a certification signed by the responsible official.
- 2) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized officials of the Missouri Department of Natural Resources, or their authorized agents, to perform the following (subject to the installation's right to seek confidential treatment of information submitted to, or obtained by, the Air Pollution Control Program):
 - a) Enter upon the premises where a permitted installation is located or an emissions-related activity is conducted, or where records must be kept under the conditions of this permit;
 - b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
 - c) Inspect, at reasonable times and using reasonable safety practices, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
 - d) As authorized by the Missouri Air Conservation Law, Chapter 643, RSMo or the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the terms of this permit, and all applicable requirements as outlined in this permit.
- 3) All progress reports required under an applicable schedule of compliance shall be submitted semiannually (or more frequently if specified in the applicable requirement). These progress reports shall contain the following:
 - a) Dates for achieving the activities, milestones or compliance required in the schedule of compliance, and dates when these activities, milestones or compliance were achieved, and
 - b) An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventative or corrective measures adopted.
- 4) The permittee shall submit an annual certification that it is in compliance with all of the federally enforceable terms and conditions contained in this permit, including emissions limitations, standards, or work practices. These certifications shall be submitted annually by April 1st, unless the applicable requirement specifies more frequent submission. These certifications shall be submitted to EPA Region VII, 901 North 5th Street, Kansas City, KS 66101, as well as the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102. All deviations and Part 64 exceedances and excursions must be included in the compliance certifications. The compliance certification shall include the following:
 - a) The identification of each term or condition of the permit that is the basis of the certification;
 - b) The current compliance status, as shown by monitoring data and other information reasonably available to the installation;
 - c) Whether compliance was continuous or intermittent;
 - d) The method(s) used for determining the compliance status of the installation, both currently and over the reporting period; and

- e) Such other facts as the Air Pollution Control Program will require in order to determine the compliance status of this installation.

10 CSR 10-6.065(6)(C)6 Permit Shield

- 1) Compliance with the conditions of this permit shall be deemed compliance with all applicable requirements as of the date that this permit is issued, provided that:
 - a) The application requirements are included and specifically identified in this permit, or
 - b) The permitting authority, in acting on the permit revision or permit application, determines in writing that other requirements, as specifically identified in the permit, are not applicable to the installation, and this permit expressly includes that determination or a concise summary of it.
- 2) Be aware that there are exceptions to this permit protection. The permit shield does not affect the following:
 - a) The provisions of Section 303 of the Act or Section 643.090, RSMo concerning emergency orders,
 - b) Liability for any violation of an applicable requirement which occurred prior to, or was existing at, the time of permit issuance,
 - c) The applicable requirements of the acid rain program,
 - d) The authority of the Environmental Protection Agency and the Air Pollution Control Program of the Missouri Department of Natural Resources to obtain information, or
 - e) Any other permit or extra-permit provisions, terms or conditions expressly excluded from the permit shield provisions.

10 CSR 10-6.065(6)(C)7 Emergency Provisions

- 1) An emergency or upset as defined in 10 CSR 10-6.065(6)(C)7.A shall constitute an affirmative defense to an enforcement action brought for noncompliance with technology-based emissions limitations. To establish an emergency- or upset-based defense, the permittee must demonstrate, through properly signed, contemporaneous operating logs or other relevant evidence, the following:
 - a) That an emergency or upset occurred and that the permittee can identify the source of the emergency or upset,
 - b) That the installation was being operated properly,
 - c) That the permittee took all reasonable steps to minimize emissions that exceeded technology-based emissions limitations or requirements in this permit, and
 - d) That the permittee submitted notice of the emergency to the Air Pollution Control Program within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and any corrective actions taken.
- 2) Be aware that an emergency or upset shall not include noncompliance caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

10 CSR 10-6.065(6)(C)8 Operational Flexibility

An installation that has been issued a Part 70 operating permit is not required to apply for or obtain a permit revision in order to make any of the changes to the permitted installation described below if the changes are not Title I modifications, the changes do not cause emissions to exceed emissions allowable under the permit, and the changes do not result in the emission of any air contaminant not previously emitted. The permittee shall notify the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as well as EPA Region VII, 901 North 5th Street,

Kansas City, KS 66101, at least seven days in advance of these changes, except as allowed for emergency or upset conditions. Emissions allowable under the permit means a federally enforceable permit term or condition determined at issuance to be required by an applicable requirement that establishes an emissions limit (including a work practice standard) or a federally enforceable emissions cap that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject.

- 1) Section 502(b)(10) changes. Changes that, under Section 502(b)(10) of the Act, contravene an express permit term may be made without a permit revision, except for changes that would violate applicable requirements of the Act or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting or compliance requirements of the permit.
 - a) Before making a change under this provision, The permittee shall provide advance written notice to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as well as EPA Region VII, 901 North 5th Street, Kansas City, KS 66101, describing the changes to be made, the date on which the change will occur, and any changes in emission and any permit terms and conditions that are affected. The permittee shall maintain a copy of the notice with the permit, and the Air Pollution Control Program shall place a copy with the permit in the public file. Written notice shall be provided to the EPA and the Air Pollution Control Program as above at least seven days before the change is to be made. If less than seven days notice is provided because of a need to respond more quickly to these unanticipated conditions, the permittee shall provide notice to the EPA and the Air Pollution Control Program as soon as possible after learning of the need to make the change.
 - b) The permit shield shall not apply to these changes.

10 CSR 10-6.065(6)(C)9 Off-Permit Changes

- 1) Except as noted below, the permittee may make any change in its permitted operations, activities or emissions that is not addressed in, constrained by or prohibited by this permit without obtaining a permit revision. Insignificant activities listed in the application, but not otherwise addressed in or prohibited by this permit, shall not be considered to be constrained by this permit for purposes of the off-permit provisions of this section. Off-permit changes shall be subject to the following requirements and restrictions:
 - a) The change must meet all applicable requirements of the Act and may not violate any existing permit term or condition; the permittee may not change a permitted installation without a permit revision if this change is subject to any requirements under Title IV of the Act or is a Title I modification;
 - b) The permittee must provide written notice of the change to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as well as EPA Region VII, 901 North 5th Street, Kansas City, KS 66101, no later than the next annual emissions report. This notice shall not be required for changes that are insignificant activities under 10 CSR 10-6.065(6)(B)3. This written notice shall describe each change, including the date, any change in emissions, pollutants emitted and any applicable requirement that would apply as a result of the change.
 - c) The permittee shall keep a record describing all changes made at the installation that result in emissions of a regulated air pollutant subject to an applicable requirement and the emissions resulting from these changes; and
 - d) The permit shield shall not apply to these changes.

10 CSR 10-6.020(2)(R)12 Responsible Official

The application utilized in the preparation of this permit was signed by Blake Hendrix, Vice President of Operations. In a letter dated June 30, 2010, the Air Pollution Control Program was notified that Mark Craigmile, Senior Vice President of Operations, is now the responsible official. If this person terminates employment, or is reassigned different duties such that a different person becomes the responsible person to represent and bind the installation in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the Director of the Air Pollution Control Program of the change. Said notification shall be in writing and shall be submitted within 30 days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the installation in environmental permitting affairs. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of limiting permit conditions on this permit will continue to be binding on the installation until such time that a revision to this permit is obtained that would change said representations, agreements and covenants.

10 CSR 10-6.065(6)(E)6 Reopening-Permit for Cause

This permit may be reopened for cause if:

- 1) The Missouri Department of Natural Resources (MDNR) receives notice from the Environmental Protection Agency (EPA) that a petition for disapproval of a permit pursuant to 40 CFR § 70.8(d) has been granted, provided that the reopening may be stayed pending judicial review of that determination,
- 2) The Missouri Department of Natural Resources or EPA determines that the permit contains a material mistake or that inaccurate statements were made which resulted in establishing the emissions limitation standards or other terms of the permit,
- 3) Additional applicable requirements under the Act become applicable to the installation; however, reopening on this ground is not required if—:
 - a) The permit has a remaining term of less than three years;
 - b) The effective date of the requirement is later than the date on which the permit is due to expire;
or
 - c) The additional applicable requirements are implemented in a general permit that is applicable to the installation and the installation receives authorization for coverage under that general permit,
- 4) The installation is an affected source under the acid rain program and additional requirements (including excess emissions requirements), become applicable to that source, provided that, upon approval by EPA, excess emissions offset plans shall be deemed to be incorporated into the permit;
or
- 5) The Missouri Department of Natural Resources or EPA determines that the permit must be reopened and revised to assure compliance with applicable requirements.

10 CSR 10-6.065(6)(E)1.C Statement of Basis

This permit is accompanied by a statement setting forth the legal and factual basis for the permit conditions (including references to applicable statutory or regulatory provisions). This Statement of Basis, while referenced by the permit, is not an actual part of the permit.

VI. Attachments

Attachments follow.

Attachment D

Method 9 Opacity Emissions Observations								
Company					Observer			
Location					Observer Certification Date			
Date					Emission Unit			
Time					Control Device			
Hour	Minute	Seconds				Steam Plume (check if applicable)		Comments
		0	15	30	45	Attached	Detached	
	0							
	1							
	2							
	3							
	4							
	5							
	6							
	7							
	8							
	9							
	10							
	11							
	12							
	13							
	14							
	15							
	16							
	17							
	18							
SUMMARY OF AVERAGE OPACITY								
Set Number	Time				Opacity			
	Start	End		Sum	Average			

Readings ranged from _____ to _____ % opacity.

Was the emission unit in compliance at the time of evaluation? _____
 YES NO Signature of Observer

STATEMENT OF BASIS

Permit Reference Documents

These documents were relied upon in the preparation of the operating permit. Because they are not incorporated by reference, they are not an official part of the operating permit.

- 1) Part 70 Operating Permit Application, received September 5, 2005;
- 2) 2008 Emissions Inventory Questionnaire, received June 3, 2009;
- 3) U.S. EPA document AP-42, *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition;
- 4) U. S. EPA WEBFIRE Factor Information Retrieval Data System, 2005; and
- 5) EPA Applicability Determination Index Control No. 9800095, August 11, 1998.

Historical Notes

The following historical notes explain the changes in this renewal-operating permit as compared to Operating Permit OP2002-012. All of the emission unit numbers (EU #) have been changed from those listed in OP2002-012 in order to accommodate the changes at the installation.

- 1) The following emission units have been removed from the installation since OP2002-012 was issued.

OP2002-12 EU ID #	EIQ EP#	Description
EU0010	EP-04	Portable Grain Vaculators
EU0080	EP-13A	Bean Heater Aspiration
EU0140	EP-19.1	Pneumatic Flake Conveyor
EU0150	EP-21	Discharge Conveyor
EU0160	EP-22	1600 tpd DC Top Dryer Deck
EU0170	EP-23	1600 tpd Bottom Dryer Deck
EU0180	EP-24	1600 tpd DC Top Cooler Deck
EU0190	EP-25	DC Bottom Cooler Deck
EU0200	EP-25.1	800 tpd DT DC Top Cooler Deck
EU0210	EP-25.2	800 tpd DT DC Bottom Dryer
EU0220	EP-25.3	800 tpd DT DC Cooler Deck
EU0230	EP-26	Receiving from FDS to Soybean Mill
EU0250	EP-27.1	Cooling Aspiration from FDS
EU0350	EP-32	Flour Mill
EU0360	EP-33	Raymond Grinder System
EU0370	EP-34	Prater Biermeister Grinding System
EU0380	EP-35	Tank Building Roof Vent

- 2) The following emission units have been debottlenecked or modified since OP2002-012 was issued.

EU ID #	EP ID #	Description
EU0030	EP-06	West Truck Receiving
EU0040	EP-08	Receiving Legs
EU0090	EP-14	Hull Grinder
EU0110	EP-19	Flakers

EU ID #	EP ID #	Description
EU0120	EP-27	Bulk DE Storage
EU0140	EP-30	Meal Grinding
EU0150	EP-31	Meal Loadout
EU0180	EP-31.2	Off Quality Storage Tank
EU0190	EP-31.3	Hi-Pro Meal Storage Tank
EU0200	EP-31.4	Pellet Storage Tank

3) The following emission units have been added to the installation since OP2002-012 was issued.

EU ID #	EP ID #	Description
EU0160	EP-57	Rail Meal Loadout
EU0210	EP-58	Pellet Bin 7
EU0240	EP-53	Bean Heater Aspirator
EU0250	EP-53	Jet Dryer
EU0260	EP-53	Secondary Dehulling
EU0270	EP-53	Cascade Cooler
EU0280	EP-53	Cascade Conditioner 2
EU0320	EP-55	DC Top Dryer Deck
EU0330	EP-55	DC Middle Dryer Deck
EU0340	EP-55	DC Bottom Dryer Deck
EU0350	EP-55	DC Cooler Deck
EU0360	EP-59	Meal Bin 5
EU0370	EP-60	Meal Bin 6
NA	EP-50	Bean Bin 1
NA	EP-51	Bean Bin 2
NA	EP-52	Bean Bin 3
NA	EP-54	Flake Conveyor
NA	EP-56.1	Extraction Cooling Tower
NA	EP-56.2	Extraction Cooling Tower

Applicable Requirements Included in the Operating Permit but Not in the Application or Previous Operating Permits

In the operating permit application, the installation indicated they were not subject to the following regulation(s). However, in the review of the application, the agency has determined that the installation is subject to the following regulation(s) for the reasons stated.

None

Other Air Regulations Determined Not to Apply to the Operating Permit

The Air Pollution Control Program (APCP) has determined the following requirements to not be applicable to this installation at this time for the reasons stated.

- 1) 10 CSR 10-6.100, Alternate Emission Limits
 - a) This rule is not applicable because the installation is in an ozone attainment area.

Construction Permit Revisions

The following revisions were made to construction permits for this installation:

- 1) Missouri Department of Natural Resources Construction Permit 0392-008 authorized the installation of a soybean oil refinery and hydrogen gas plant.
 - a) Special Conditions 1 and 3 of this construction permit are not included in this operating permit because the soybean oil refining limit was rescinded by Construction Permit 092001-004.
 - b) Special Condition 2 is included in Permit Condition (EU0220 and EU0230)-001.

- 2) Missouri Department of Natural Resources Construction Permit 1192-013A authorized modifications to the Truck and Rail Meal Loadout facility (EP-31) and meal storage facility.
 - a) Special Conditions 1 and 5, which relate to a meal loadout limit and recordkeeping requirements, were rescinded by Construction Permit 0294-003 and are not included in this operating permit.
 - b) The part of Special Condition 2 that relates to the Hull Storage Tank (EU0170) was amended by Construction Permit 0994-001 and is not included in the operating permit.
 - c) Those parts of Special Condition 2 that relate to the Off Quality Storage Tank (EU0180) and Hi-Pro Meal Storage Tank (EU0190) were amended by Construction Permit 052007-007 and are not included in the operating permit.
 - d) Those parts of Special Conditions 2 and 4 that relate to the Truck and Rail Meal Loadout facility (EU0150) are reworded in this operating permit. Construction Permit 052007-007 authorized the installation of a new Rail Meal Loadout facility (EU0160). EU0150 is now used exclusively for truck meal loadout and is renamed Truck Meal Loadout. The Special Conditions that relate to Truck Meal Loadout (EU0150) are included in Permit Condition EU0150-001.
 - e) Special Condition 3 refers to Missouri Rule 10 CSR 10-2.060. This rule was rescinded and replaced by 10 CSR 10-6.220.
 - f) Special Condition 6 was found not to apply in Operating Permit OP2002-012 because 40 CFR Part 60 Subpart DD, *Standards of Performance for Grain Elevators*, applies to whole grain receiving and handling but not to grain products such as meal. Therefore, this condition is not included in the permit.

- 3) Missouri Department of Natural Resources Construction Permit 0893-004 authorized the installation of the Hull Grinder (EU0090).
 - a) Special Conditions 1 and 2 relate to the installation and maintenance of control equipment (cyclone and baghouse) for the grinders. Modifications to the grinders, including the control equipment, were authorized by Construction Permit 0794-006. Therefore, Special Conditions 1 and 2 of Construction Permit 0893-004 are no longer applicable and not included in the operating permit. Maintenance of the control equipment (high efficiency cyclone and baghouse), as required by Construction Permit 0794-006, are included in Permit Condition EU0090-001.

- 4) Missouri Department of Natural Resources Construction Permit 1193-007 authorized the installation of grain handling equipment aspirated to EP-15.
 - a) As a component of a project permitted under Missouri Department of Natural Resources Construction Permit 0794-006, this emission point was removed. Therefore, the emission unit associated with Construction Permit 1193-007 no longer exists and has not been included in the operating permit.

- 5) Missouri Department of Natural Resources Construction Permit 0294-003 authorized the installation of dehulling equipment and rescinded the meal loadout throughput limit established in Construction Permit 1192-013.

- a) Special Condition 2 is not included in the operating permit because the permittee did not install the dehulling equipment permitted by this construction permit.
- 6) Missouri Department of Natural Resources Construction Permit 0794-006 authorized the installation of a dehulling equipment (EP-13), flaker (EP-19), an de-solventizer toasted dryer cooler (EP-25.1 through 25.3) and changes to Emission Point 14 to handle emissions from whole bean cleaning screeners and aspirators, de-stoner, pod grinder, and secondary dehulling equipment.
 - a) Special Condition 1 relates to Bean Cleaner (EP-9) and Grain Dryer (EP-9.1) which have been removed from the facility. Therefore, this special condition is not included in the operating permit.
 - b) Part of Special Condition 2 relates to the installation and maintenance of control equipment for the flaker (EP-19). Modifications to the flaker, including the control equipment, were authorized by Construction Permit 052007-007. Therefore, the part of Special Condition 2 regarding the flaker is no longer applicable and is not included in the operating permit.
 - c) Part of Special Condition 2 relates to the installation and maintenance of control equipment for the de-solventizer toaster/dryer cooler (EP-25.1 through EP-25.3). These emission units have been removed from the facility. Therefore, the part of Special Condition 2 regarding these emission units is not included in the operating permit.
 - d) Part of Special Condition 2 relates to the installation and maintenance of control equipment for the dehulling process (EU0070 and EU0080). The part of Special Condition 2 regarding the dehulling process is applicable and is included in the operating permit in Permit Condition (EU0070 and EU0080)-001.
 - e) Special Conditions 3 through 7 are no longer applicable and not included in the operating permit because the permittee has received authorization to expand the extraction plant as authorized by Construction Permit 052007-007.
- 7) Missouri Department of Natural Resources Construction Permit 0994-001 authorized the installation a new millfeed pelleting operation including Pellet Cooler (EU0100), Hull Storage Tank (EU0170) and Pellet Storage Tank (EU0200).
 - a) There were no revisions made to this construction permit.
 - b) Special Conditions 1 and 5 are included in Permit Condition EU0100-001.
 - c) Special Conditions 2, 3 and 5 are included in Permit Condition EU0170-001.
 - d) Special Conditions 4 and 5 are included in Permit Condition EU0200-002.
- 8) Missouri Department of Natural Resources Construction Permit 0896-014 authorized the installation of a pneumatic flake conveyor (EP-19.1) and high efficiency cyclone.
 - a) The pneumatic flake conveyor was removed from the facility in 2003. Therefore, the Special Conditions associated with this construction permit are not included in the operating permit.
- 9) Missouri Department of Natural Resources Construction Permit 092001-004 authorized the refinery plant to increase the daily production limit to the capacity of the equipment at the refinery.
 - a) Special Condition III relates to the testing requirements that were required to be completed within 180 days after issuance of the construction permit. This Special Condition is not included in the operating permit.
 - b) Special Condition V refers to the Missouri Rule 10 CSR 10-3.090, *Restriction of Emission of Odors*. 10 CSR 10-3.090 applies to facilities in outstate Missouri. Missouri Rule 10 CSR 10-2.070 applies to facilities in Buchanan County and is included in the operating permit.

- 10) Missouri Department of Natural Resources Construction Permit 052007-007 authorized an extraction expansion project at the soybean processing plant.
- a) Special Condition 6 states that Ag Processing, Inc. shall comply with 40 CFR Part 60, Subpart DD, *Standards of Performance for Grain Elevators*. In the Review Summary section of the construction permit, it states that Subpart DD applies to West Truck Receiving (EU0030) and Receiving Legs (EU0040). Subpart DD applies to any affected facility that commences construction, modification or reconstruction after August 3, 1978. West Truck Receiving (EU0030) and Receiving Legs (EU0040) were constructed prior to 1978. Although these emission units were debottlenecked as part of the extraction expansion project authorized by this construction permit, EU0030 and EU0040 were not “modified” or “reconstructed”. Therefore, these emission units are not subject to Subpart DD. This exemption is addressed in 40 CFR Part 60.14(e)(2) which states that an increase in production rate of an existing facility (EU0030 and EU0040) is not considered a modification, if that increase can be accomplished without a capital expenditure on that facility (EU0030 and EU0040).
 - b) Special Condition 9 relates to the performance testing requirements that were required to be completed within 180 days after initial start-up. This Special Condition is not included in the operating permit.
 - c) On the bottom of page 7 of this construction permit, it states “*The DC top dryer deck, bottom dryer deck and cooler deck emissions are routed first to their respective cyclone and then to a common wet scrubber. The 2.08 lb/hr PM₁₀ emission limit applies to the exhaust from the common wet scrubber.” This is a typographic error. The sentence should read “The DC middle dryer deck, bottom dryer deck and cooler deck emissions are routed first to their respective cyclone and then to a common wet scrubber. The 2.08 lb/hr PM₁₀ emission limit applies to the exhaust from the common wet scrubber.”

New Source Performance Standards (NSPS) Applicability

- 1) 40 CFR Part 60, Subpart Kb, *Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984*
 - a) This rule does not apply to the installation because according to Paragraph 60.110b(d)(8) of the rule, this rule does not apply to vessels subject to 40 CFR Part 63 Subpart GGGG. All of the VOL storage vessels at the installation are subject to 40 CFR Part 63 Subpart GGGG and therefore are not subject to this rule.
- 2) 40 CFR Part 60, Subpart DD, *Standards of Performance for Grain Elevators*
 - a) This rule does not apply following sources because these affected facilities were installed prior to the rule’s applicability date of August 3, 1978. As note under **Construction Permit Revisions** bullet 10)a), the debottlenecking of EU0030 and EU0040 are not considered modifications that would trigger the applicability of Subpart DD.

EU #	EP ID #	Description
EU0010	EP-05	Railcar Receiving
EU0020	EP-07	South Truck Receiving
EU0030	EP-06	West Truck Receiving
EU0040	EP-08	Receiving Legs

EU #	EP ID #	Description
EU0050	EP-11	North House Garner & Scale
EU0060	EP-12	South House Garner & Scale

- b) This rule does not apply to the Bean Heater Aspirator (EU0240) because only column dryers and rack dryers at grain elevators are subject to the rule.
- c) This rule does not apply to the emission units that follow after the Bean Heater Aspirator (EU0240) because according to the EPA Applicability Determination Index Control No. 9800095, equipment that is part a process which alters the grain, so that the material is no longer a grain, and equipment that handles the altered material, are not part of the affected facility.

None of the other NSPS standards applies.

Maximum Achievable Control Technology (MACT) Applicability

- 1) 40 CFR Part 63, Subpart GGGG, *National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production*
 - a) This rule applies to the installation. The applicable provisions are listed in Permit Condition PW001.
- 2) 40 CFR Part 63, Subpart Q, *National Emission Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers*
 - a) This rule applies to industrial process cooling towers that are operated with chromium-based water treatment chemicals. The installation's cooling towers do not use chromium-based water treatment chemicals.

None of the other MACT standards applies.

National Emission Standards for Hazardous Air Pollutants (NESHAP) Applicability

In the permit application and according to Air Pollution Control Program records, there was no indication that any Missouri Air Conservation Law, Asbestos Abatement, 643.225 through 643.250; 10 CSR 10-6.080, Emission Standards for Hazardous Air Pollutants, Subpart M, National Standards for Asbestos; and 10 CSR 10-6.250, Asbestos Abatement Projects - Certification, Accreditation, and Business Exemption Requirements apply to this installation. The installation is subject to these regulations if they undertake any projects that deal with or involve any asbestos containing materials. None of the installation's operating projects underway at the time of this review deal with or involve asbestos containing material. Therefore, the above regulations were not cited in the operating permit. If the installation should undertake any construction or demolition projects in the future that deal with or involve any asbestos containing materials, the installation must follow all of the applicable requirements of the above rules related to that specific project.

None of the other NESHAP standards applies.

Compliance Assurance Monitoring (CAM) Applicability

40 CFR Part 64, *Compliance Assurance Monitoring (CAM)*

The CAM rule does not apply to Receiving Legs (EU0040) because construction permit 052007-007, Special Condition 11, limits the total oilseed throughput (measured per 40 CFR 63.2855) to 1,314,000

tons for any consecutive 12-month period. The throughput limit exempts the unit from any applicable standard and limits the PTE of PM₁₀ to below major levels.

Other Regulatory Determinations

1) 10 CSR 10-6.400, *Restriction of Emission of Particulate Matter From Industrial Processes*

a) 10 CSR 10-6.400 applies to the emission units in the following table. The emission rate calculations demonstrates that these emission units are in compliance with both the PM Emission Rate and the PM Concentration provided that the required control devices are in operation and working properly:

Emission Rate Limit

If $P \leq 60,000$ lb/hr: Emission Rate Limit (lb/hr) $E = 4.1(P)^{0.67}$

If $P > 60,000$ lb/hr: Emission Rate Limit (lb/hr) $E = 55.0(P)^{0.11} - 40$

Where: P = process weight rate

PM Emission Rate

Emission Rate (lb/hr) = MHDR (ton/hr) x PM Emission Factor (lb/ton) x (1-Control Efficiency/100)

EU #	Description	MHDR (ton/hr)	Emission Factor (lb/ton)	SCC Code	Emission Factor Source	Overall Control Device Efficiency (%)	Controlled PM Emission Rate (lb/hr)	Allowable PM Emission Rate (lb/hr)
EU0080	Cracking & Dehulling	100	3.3	30200785	1	99	3.30	51.28
EU0090	Hull Grinder	100	2.0	30200786	1	99.8	0.40	51.28
EU0100	Pellet Cooler	10	3.6	30200816	2	99	0.36	19.18
EU0150	Truck Meal Loadout	250	0.27	30200791	3	98.7	0.88	60.96
EU0260	Secondary Dehulling	50	3.3	30200785	1	99	1.65	44.58
EU0270	Cascade Cooler	50	1.8	30200790	1	99	0.90	44.58

Emission Factor Reference List:

EPA WEBFIRE Factor Information Retrieval Data System, 2005

EPA document AP-42 Table 9.9.1-2

EPA document AP-42 Table 9.11.1-1

PM Concentration

Emission rate (gr/dscf) = Emission Rate (lb/hr) x (7000 grains/lb)/Stack flow rate (SCFM)/60(min/hr)

Flow rates converted from actual to standard conditions using the ideal gas law.

EU #	Controlled Emission Rate (lb/hr)	Stack Temp °F	Stack Flow		Controlled Emission Rate (gr/scf)	Allowable Emission Rate (gr/scf)
			ACFM	SCFM		
EU0080	3.30	80	36,000	35,333	0.011	0.3
EU0090	0.40	77	18,000	17,765	0.003	0.3
EU0100	0.36	80	7,000	6,870	0.006	0.3
EU0150	0.88	77	42,500	41,946	0.002	0.3
EU0260	3.33 ¹	155	57,113	49,219	0.011	0.3
EU0270						

Note:

1. The controlled emission rate includes emissions from Bean Heater Aspirator (EU0240), Jet Dryer (EU0250), Secondary Dehulling (EU0260), Cascade Cooler (EU0270), and Cascade Conditioner 2, which all emit through stack 53.
- b) The following table lists emission units for which the particulate matter emissions limitations established by 10 CSR 10-6.400 are less restrictive than the emissions limitations established by Construction Permit 052007-007. Consequently, the emissions limitations established by 10 CSR 10-6.400 are not included in the operating permit.

EP ID #	Description	10 CSR 10-6.400 Allowable PM Emission Rate (lb/hr)	CP No. 052007-007 Allowable PM ₁₀ Emission Rate (lb/hr)
EU0040	Receiving Legs	86.76	1.67
EU0110	Flakers	56.45	0.99
EU0140	Meal Grinding	53.21	0.51
EU0160	Rail Meal Loadout	68.96	1.11
EU0240	Bean Heater Aspirator	56.45	3.10
EU0250	Jet Dryer	44.58	1.05
EU0320	DC Top Dryer Deck	53.21	3.02
EU0330	DC Middle Dryer Deck		
EU0340	DC Bottom Dryer Deck		
EU0350	DC Cooler Deck		

Note:

1. Assuming that PM is twice PM₁₀ emission rate, the allowable rate established by 10 CSR 10-6.400 is considerably less restrictive.
- c) 10 CSR 10-6.400 does not apply to the following emission units because according to Paragraph (1)(B)3 of the rule, the receiving and shipping of whole grain from or into a railroad or truck transportation source at a grain elevator is exempt.

EU #	EP ID #	Description
EU0010	EP-05	Railcar Receiving
EU0020	EP-07	South Truck Receiving
EU0030	EP-06	West Truck Receiving

- d) 10 CSR 10-6.400 does not apply to the following emission units because according to Paragraph (1)(B)16 of the rule, emission units that at maximum hourly design rate (MHDR) have an uncontrolled potential to emit less than the allowable emissions as calculated in Paragraphs (3)(A)1 and (3)(A)2 of this rule are exempt.

Emission Rate Limit

If $P \leq 60,000$ lb/hr: Emission Rate Limit (lb/hr) $E = 4.1(P)^{0.67}$

If $P > 60,000$ lb/hr: Emission Rate Limit (lb/hr) $E = 55.0(P)^{0.11} - 40$

Where: P = process weight rate

PM Emission Rate

Emission Rate (lb/hr) = MHDR (ton/hr) x PM Emission Factor (lb/ton)

EU #	EP ID #	Description	MHDR (ton/hr)	Emission Factor (lb/ton)	SCC Code	Emission Factor Source	Uncontrolled PM Emission Rate (lb/hr)	Allowable Emission Rate (lb/hr)
EU0050	EP-11	North House Garner & Scale	360	0.061	30200530	1	21.96	65.09
EU0060	EP-12	South House Garner & Scale	360	0.061	30200530	1	21.96	65.09
EU0070	EP-13B	Cascade Conditioner 1	100	0.1	30200787	2	10.00	51.28
EU0120	EP-27	Bulk DE Storage	8	0.025	30200540	1	0.20	16.51
EU0170	31.1	Hull Storage Tank	60	0.27	30200791	3	16.20	46.29
EU0180	EP-31.2	Off Quality Storage Tank	121	0.27	30200791	3	32.67	53.21
EU0190	EP-31.3	Hi-Pro Meal Storage Tank	121	0.27	30200791	3	32.67	53.21
EU0200	EP-31.4	Pellet Storage Tank	15	0.27	30200791	3	4.05	25.16
EU0210	EP-58	Pellet Storage Bin 7	15	0.27	30200791	3	4.05	25.16
EU0220	EP-44	Outside Bleaching Storage	3	0.27	30200791	3	0.81	8.56
EU0230	EP-45	Bulk Clay Receiver	3	0.27	30200791	3	0.81	8.56
EU0280	EP-53	Cascade Conditioner 2	50	0.10	30200787	2	5.00	44.58
EU0360	EP-59	Meal Bin 5	121	0.27	30200791	3	32.67	53.21
EU0370	EP-60	Meal Bin 6	121	0.27	30200791	3	32.67	53.21
NA	EP-50	Bean Bin 1	1140	0.025	30200540	1	28.50	79.29
NA	EP-51	Bean Bin 2	1140	0.025	30200540	1	28.50	79.29
NA	EP-52	Bean Bin 3	1140	0.025	30200540	1	28.50	79.29
NA	EP-54	Flake Conveyor	121	0.061	30200530	1	7.38	53.21

Emission Factor Reference List:

EPA document AP-42 Table 9.9.1-1

EPA WEBFIRE Factor Information Retrieval Data System, 2005

EPA document AP-42 Table 9.11.1-1

- e) The following emission units are not subject to 10 CSR 10-6.400 because according to Paragraph (1)(B)7 of the rule, fugitive emissions are exempt:

Description	EP ID #
Truck Meal Loadout, fugitive	EP-31F
Rail Meal Loadout, fugitive	EP-57F
Flake Conveyor	EP-54
Cooling Towers	EP-56.1, EP-56.2

Permit Condition PW001 -Monitoring (1) (a) and (b)

The source has already met the requirement associated with start-up compliance options.

Permit Condition PW001-Reporting (2) (a) and (b)

The source has already made an initial notification prior to start-up.

Permit Condition PW001-Reporting (3) (a) through (d)

The source has already given notification of actual start-up.

Permit Condition PW001-Reporting (4) (a) through (f)

The source has already submitted the initial notification of compliance status report.

Permit Condition PW003

Ozone monitoring has been completed and a written request for discontinuation authorization was submitted to the Air Pollution Control Program.

Other Regulations Not Cited in the Operating Permit or the Above Statement of Basis

Any regulation which is not specifically listed in either the Operating Permit or in the above Statement of Basis does not appear, based on this review, to be an applicable requirement for this installation for one or more of the following reasons:

1. The specific pollutant regulated by that rule is not emitted by the installation;
2. The installation is not in the source category regulated by that rule;
3. The installation is not in the county or specific area that is regulated under the authority of that rule;
4. The installation does not contain the type of emission unit which is regulated by that rule;
5. The rule is only for administrative purposes.

Should a later determination conclude that the installation is subject to one or more of the regulations cited in this Statement of Basis or other regulations which were not cited, the installation shall determine and demonstrate, to the Air Pollution Control Program's satisfaction, the installation's compliance with that regulation(s). If the installation is not in compliance with a regulation which was not previously cited, the installation shall submit to the Air Pollution Control Program a schedule for achieving compliance for that regulation(s).

Prepared by:

Jason Dickneite
Environmental Engineer

CERTIFIED MAIL: 70093410000190189046
RETURN RECEIPT REQUESTED

Mr. Blake Hendrix
Ag Processing, Inc.
P.O. Box 427
St. Joseph, MO 64502

Re: Ag Processing, Inc., 021-0060
Permit Number: **OP2011-032**

Dear Mr. Hendrix:

Enclosed with this letter is your Part 70 operating permit. Please review this document carefully. Operation of your installation in accordance with the rules and regulations cited in this document is necessary for continued compliance. It is very important that you read and understand the requirements contained in your permit.

You may appeal this permit to the Administrative Hearing Commission (AHC, P.O. Box 1557, Jefferson City, MO 65102, as provided in RSMo 643.075.6 and 621.250.3. If you choose to appeal, you must file a petition with the AHC within thirty days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed. If it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the AHC.

If you have any questions or need additional information regarding this permit, please do not hesitate to contact the Department's Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102, or by telephone at (573) 751-4817. Thank you for your time and attention to this matter.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Michael J. Stansfield, P.E.
Operating Permit Unit Chief

MJS:jdk

Enclosures

c: Kansas City Regional Office
PAMS File: 2006-09-013