

**MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY  
AIR QUALITY DIVISION**

March 30, 2022

**PERMIT TO INSTALL  
61-20A**

**ISSUED TO  
Quality Roasting, LLC**

**LOCATED AT  
135 South Bradleyville Road  
Reese, Michigan 48757**

**IN THE COUNTY OF  
Tuscola**

**STATE REGISTRATION NUMBER  
P1000**

The Air Quality Division has approved this Permit to Install, pursuant to the delegation of authority from the Michigan Department of Environment, Great Lakes, and Energy. This permit is hereby issued in accordance with and subject to Section 5505(1) of Article II, Chapter I, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Pursuant to Air Pollution Control Rule 336.1201(1), this permit constitutes the permittee's authority to install the identified emission unit(s) in accordance with all administrative rules of the Department and the attached conditions. Operation of the emission unit(s) identified in this Permit to Install is allowed pursuant to Rule 336.1201(6).

DATE OF RECEIPT OF ALL INFORMATION REQUIRED BY RULE 203: <b>October 29, 2021</b>	
DATE PERMIT TO INSTALL APPROVED: <b>March 30, 2022</b>	SIGNATURE:
DATE PERMIT VOIDED:	SIGNATURE:
DATE PERMIT REVOKED:	SIGNATURE:

## PERMIT TO INSTALL

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## COMMON ACRONYMS

AQD	Air Quality Division
BACT	Best Available Control Technology
CAA	Clean Air Act
CAM	Compliance Assurance Monitoring
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
COMS	Continuous Opacity Monitoring System
Department/department/EGLE	Michigan Department of Environment, Great Lakes, and Energy
EU	Emission Unit
FG	Flexible Group
GACS	Gallons of Applied Coating Solids
GC	General Condition
GHGs	Greenhouse Gases
HVLP	High Volume Low Pressure*
ID	Identification
IRSL	Initial Risk Screening Level
ITSL	Initial Threshold Screening Level
LAER	Lowest Achievable Emission Rate
MACT	Maximum Achievable Control Technology
MAERS	Michigan Air Emissions Reporting System
MAP	Malfunction Abatement Plan
MSDS	Material Safety Data Sheet
NA	Not Applicable
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emission Standard for Hazardous Air Pollutants
NSPS	New Source Performance Standards
NSR	New Source Review
PS	Performance Specification
PSD	Prevention of Significant Deterioration
PTE	Permanent Total Enclosure
PTI	Permit to Install
RACT	Reasonable Available Control Technology
ROP	Renewable Operating Permit
SC	Special Condition
SCR	Selective Catalytic Reduction
SNCR	Selective Non-Catalytic Reduction
SRN	State Registration Number
TBD	To Be Determined
TEQ	Toxicity Equivalence Quotient
USEPA/EPA	United States Environmental Protection Agency
VE	Visible Emissions

\*For HVLP applicators, the pressure measured at the gun air cap shall not exceed 10 psig.

### POLLUTANT / MEASUREMENT ABBREVIATIONS

acfm	Actual cubic feet per minute
BTU	British Thermal Unit
°C	Degrees Celsius
CO	Carbon Monoxide
CO <sub>2</sub> e	Carbon Dioxide Equivalent
dscf	Dry standard cubic foot
dscm	Dry standard cubic meter
°F	Degrees Fahrenheit
gr	Grains
HAP	Hazardous Air Pollutant
Hg	Mercury
hr	Hour
HP	Horsepower
H <sub>2</sub> S	Hydrogen Sulfide
kW	Kilowatt
lb	Pound
m	Meter
mg	Milligram
mm	Millimeter
MM	Million
MW	Megawatts
NMOC	Non-Methane Organic Compounds
NO <sub>x</sub>	Oxides of Nitrogen
ng	Nanogram
PM	Particulate Matter
PM10	Particulate Matter equal to or less than 10 microns in diameter
PM2.5	Particulate Matter equal to or less than 2.5 microns in diameter
pph	Pounds per hour
ppm	Parts per million
ppmv	Parts per million by volume
ppmw	Parts per million by weight
psia	Pounds per square inch absolute
psig	Pounds per square inch gauge
scf	Standard cubic feet
sec	Seconds
SO <sub>2</sub>	Sulfur Dioxide
TAC	Toxic Air Contaminant
Temp	Temperature
THC	Total Hydrocarbons
tpy	Tons per year
µg	Microgram
µm	Micrometer or Micron
VOC	Volatile Organic Compounds
yr	Year

## GENERAL CONDITIONS

1. The process or process equipment covered by this permit shall not be reconstructed, relocated, or modified, unless a Permit to Install authorizing such action is issued by the Department, except to the extent such action is exempt from the Permit to Install requirements by any applicable rule. **(R 336.1201(1))**
2. If the installation, construction, reconstruction, relocation, or modification of the equipment for which this permit has been approved has not commenced within 18 months, or has been interrupted for 18 months, this permit shall become void unless otherwise authorized by the Department. Furthermore, the permittee or the designated authorized agent shall notify the Department via the Supervisor, Permit Section, Air Quality Division, Michigan Department of Environment, Great Lakes, and Energy, P.O. Box 30260, Lansing, Michigan 48909-7760, if it is decided not to pursue the installation, construction, reconstruction, relocation, or modification of the equipment allowed by this Permit to Install. **(R 336.1201(4))**
3. If this Permit to Install is issued for a process or process equipment located at a stationary source that is not subject to the Renewable Operating Permit program requirements pursuant to Rule 210 (R 336.1210), operation of the process or process equipment is allowed by this permit if the equipment performs in accordance with the terms and conditions of this Permit to Install. **(R 336.1201(6)(b))**
4. The Department may, after notice and opportunity for a hearing, revoke this Permit to Install if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of this permit or is violating the Department's rules or the Clean Air Act. **(R 336.1201(8), Section 5510 of Act 451, PA 1994)**
5. The terms and conditions of this Permit to Install shall apply to any person or legal entity that now or hereafter owns or operates the process or process equipment at the location authorized by this Permit to Install. If the new owner or operator submits a written request to the Department pursuant to Rule 219 and the Department approves the request, this permit will be amended to reflect the change of ownership or operational control. The request must include all of the information required by subrules (1)(a), (b), and (c) of Rule 219 and shall be sent to the District Supervisor, Air Quality Division, Michigan Department of Environment, Great Lakes, and Energy. **(R 336.1219)**
6. Operation of this equipment shall not result in the emission of an air contaminant which causes injurious effects to human health or safety, animal life, plant life of significant economic value, or property, or which causes unreasonable interference with the comfortable enjoyment of life and property. **(R 336.1901)**
7. The permittee shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant which continue for more than one hour in excess of any applicable standard or limitation, or emissions of any air contaminant continuing for more than two hours in excess of an applicable standard or limitation, as required in Rule 912, to the Department. The notice shall be provided not later than two business days after start-up, shutdown, or discovery of the abnormal condition or malfunction. Written reports, if required, must be filed with the Department within 10 days after the start-up or shutdown occurred, within 10 days after the abnormal condition or malfunction has been corrected, or within 30 days of discovery of the abnormal condition or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5). **(R 336.1912)**
8. Approval of this permit does not exempt the permittee from complying with any future applicable requirements which may be promulgated under Part 55 of 1994 PA 451, as amended or the Federal Clean Air Act.
9. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.
10. Operation of this equipment may be subject to other requirements of Part 55 of 1994 PA 451, as amended and the rules promulgated thereunder.

11. Except as provided in subrules (2) and (3) or unless the special conditions of the Permit to Install include an alternate opacity limit established pursuant to subrule (4) of Rule 301, the permittee shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of density greater than the most stringent of the following. The grading of visible emissions shall be determined in accordance with Rule 303 (R 336.1303). **(R 336.1301)**
  - a) A six-minute average of 20 percent opacity, except for one six-minute average per hour of not more than 27 percent opacity.
  - b) A visible emission limit specified by an applicable federal new source performance standard.
  - c) A visible emission limit specified as a condition of this Permit to Install.
12. Collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner so as to minimize the introduction of contaminants to the outer air. Transport of collected air contaminants in Priority I and II areas requires the use of material handling methods specified in Rule 370(2). **(R 336.1370)**
13. The Department may require the permittee to conduct acceptable performance tests, at the permittee's expense, in accordance with Rule 1001 and Rule 1003, under any of the conditions listed in Rule 1001. **(R 336.2001)**

## EMISSION UNIT SPECIAL CONDITIONS

### EMISSION UNIT SUMMARY TABLE

The descriptions provided below are for informational purposes and do not constitute enforceable conditions.

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Flexible Group ID
EU-RECEIVING	Soybean receiving operations occur inside a building with large garage-style doorways. Trucks unload soybeans through floor grates into dump pits.	FG-PROCESS, FG-DUST
EU-CLEANBIN	Bin with a 280,000 bushel capacity, storing pre-cleaned soybeans from grain elevators. Bin vents do not have filters.	FG-STORAGE
EU-FIELDBIN	Bin with a 30,000 bushel capacity, storing beans received from fields. Bin vents do not have filters.	FG-STORAGE
EU-SCREENER	Soybeans from EU-CLEANBIN and EU-FIELDBIN are cleaned to remove silage in an enclosed screener. Silage is dropped into a dumpster.	FG-PROCESS
EU-DAYBINS	Two (2) bins, each with an 8,000 bushel capacity, used to stage soybeans being delivered to the process.	FG-STORAGE
EU-ROASTER	Natural gas-fired fluid bed soybean roaster with maximum heat input rating of 12.0 MMBTU/hr. Particulates in exhaust are controlled by two cyclones operating in parallel.	FG-PROCESS
EU-MEALCOOLER	Meal cooler. Counterflow cooler cools the meal cake. Particulates in exhaust are controlled by a cyclone.	FG-PROCESS
EU-MEALSTORAGE	Soybean meal storage unit with 6 compartments, each with a man-way door that can vent displaced air.	FG-PROCESS
EU-LOADOUT	Soybean meal loadout operations occur inside a building with large garage-style doorways. Meal from an overhead storage bin is transferred into trucks with a loadout chute and boot.	FG-PROCESS, FG-DUST
EU-SPACEHEAT	Miscellaneous natural gas-fired comfort heating units: Air make-up unit (2.484 MMBtu/hr) Two MCC room heaters (0.144 MMBtu/hr each) Office Furnace (0.135 MMBtu/hr)	NA
EU-ROADS	Emissions from vehicle traffic on on-site roadways.	FG-DUST

Changes to the equipment described in this table are subject to the requirements of R 336.1201, except as allowed by R 336.1278 to R 336.1291.

<b>EU-SPACEHEAT EMISSION UNIT CONDITIONS</b>
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**DESCRIPTION**

Miscellaneous natural gas-fired comfort heating units:  
Air make-up unit (2.484 MMBtu/hr)  
Two MCC room heaters (0.144 MMBtu/hr each)  
Office Furnace (0.135 MMBtu/hr)

**Flexible Group ID:** NA

**POLLUTION CONTROL EQUIPMENT**

NA

**I. EMISSION LIMIT(S)**

NA

**II. MATERIAL LIMIT(S)**

1. The permittee shall not burn fuel other than natural gas in EU-SPACEHEAT. (R 336.1224, R 336.1225, R 336.1702(a))

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

NA

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The maximum combined design heat input capacity for EU-SPACEHEAT shall not exceed 3.0 MMBtu per hour on a fuel heat input basis. (R 336.1224, R 336.1225, R 336.1702(a), 40 CFR 52.21(c) and (d))

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. (R 336.1201(3))

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. (R 336.1201(3))

1. The permittee shall keep manufacturer documentation showing the maximum design heat input capacity for each space heater in EU-SPACEHEAT. (R 336.1225, R 228.2810, 40 CFR 52.21(j))

**VII. REPORTING**

NA

**VIII. STACK/VENT RESTRICTION(S)**

NA

**IX. OTHER REQUIREMENT(S)**

NA

## FLEXIBLE GROUP SPECIAL CONDITIONS

### FLEXIBLE GROUP SUMMARY TABLE

The descriptions provided below are for informational purposes and do not constitute enforceable conditions.

<b>Flexible Group ID</b>	<b>Flexible Group Description</b>	<b>Associated Emission Unit IDs</b>
FG-STORAGE	Storage bins, including the clean soybean storage bin, the field soybean storage bin, and the day bin.	EU-CLEANBIN, EU-FIELDBIN, EU-DAYBINS
FG-PROCESS	Soybean oil production process using mechanical separation. The process does not include any solvent extraction. Soybeans are received, then go through various processing steps to physically separate the meal and the oil. These products are then loaded out and shipped off-site. The roaster and the meal cooler are equipped with cyclones. All transfer and milling operations are enclosed.	EU-RECEIVING, EU-SCREENER, EU-ROASTER, EU-MEALCOOLER, EU-MEALSTORAGE, EU-LOADOUT
FG-DUST	Potential sources of fugitive dust.	EU-RECEIVING, EU-LOADOUT, EU-ROADS

**FG-STORAGE  
 FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Storage bins, including the clean soybean storage bin, the field soybean storage bin, and two (2) day bins.

**Emission Unit:** EU-CLEANBIN, EU-FIELDBIN, EU-DAYBINS

**POLLUTION CONTROL EQUIPMENT**

NA

**I. EMISSION LIMIT(S)**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Monitoring / Testing Method</b>	<b>Underlying Applicable Requirements</b>
1. Visible emissions	0% opacity	6-minute average	EU-CLEANBIN	SC VI.1	R 336.1301(1)(c), 40 CFR 52.21(c) and (d)
2. Visible emissions	0% opacity	6-minute average	EU-FIELDBIN	SC VI.1	R 336.1301(1)(c), 40 CFR 52.21(c) and (d)

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

NA

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The maximum storage capacity for the storage bins listed below shall not exceed the following: **(40 CFR 52.21(c) and (d))**
  - a) Clean Soybean Bin (EU-CLEANBIN) – 280,000 bushel capacity
  - b) Field Received Soybean Bin (EU-FIELDBIN) – 30,000 bushel capacity
  - c) Two (2) Day Bins (EU-DAYBINS) - 8,000 bushel capacity each

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall conduct and record weekly non-certified visual emission observations of emissions from the vents of EU-CLEANBIN and EU-FIELDBIN while soybeans are being actively loaded into the bins. If visible emissions are observed, the permittee shall implement corrective procedures or operational changes to achieve compliance with all applicable emission limits. **(R 336.1301(1)(c), R 336.1303, 40 CFR 52.21 (c) and (d))**

2. The permittee shall keep records documenting the storage capacity of each bin in FG-STORAGE.  
**(40 CFR 52.21(c) and (d))**

**VII. REPORTING**

NA

**VIII. STACK/VENT RESTRICTION(S)**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

<b>Stack &amp; Vent ID</b>	<b>Maximum Exhaust Diameter / Dimensions (inches)</b>	<b>Minimum Height Above Ground (feet)</b>	<b>Underlying Applicable Requirements</b>
1. SV-CLEANBIN (24 vents) <sup>A</sup>	18 x 18	55	40 CFR 52.21(c) and (d)
2. SV-FIELDBIN (6 vents) <sup>A</sup>	18 x 18	55	40 CFR 52.21(c) and (d)
3. SV-DAYBIN1 (2 vents) <sup>A</sup>	18 x 18	55	40 CFR 52.21(c) and (d)
4. SV-DAYBIN2 (2 vents) <sup>A</sup>	18 x 18	55	40 CFR 52.21(c) and (d)

<sup>A</sup> Vents discharge downward.

**IX. OTHER REQUIREMENT(S)**

NA

**FG-PROCESS  
 FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Soybean oil production process using mechanical separation. The process does not include any solvent extraction. Soybeans are received, then go through various processing steps to physically separate the meal and the oil. These products are then loaded out and shipped off-site.

**Emission Unit:** EU-RECEIVING, EU-SCREENER, EU-ROASTER, EU-MEALCOOLER, EU-MEALSTORAGE, EU-LOADOUT

**POLLUTION CONTROL EQUIPMENT**

The roaster and the meal cooler are equipped with cyclones. All transfer and milling operations are enclosed.

**I. EMISSION LIMIT(S)**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Monitoring / Testing Method</b>	<b>Underlying Applicable Requirements</b>
1. PM (filterable)	5.29 pph	Hourly	EU-ROASTER	SC V.1	R 336.1331(1)(c)
2. PM (filterable)	2.97 pph	Hourly	EU-MEALCOOLER	SC V.1	R 336.1331(1)(c)
3. PM10 (total)	1.45 pph	Hourly	EU-MEALCOOLER	SC V.1	40 CFR 52.21(c) and (d)
4. PM2.5 (total)	1.45 pph	Hourly	EU-MEALCOOLER	SC V.1	40 CFR 52.21(c) and (d)

**II. MATERIAL LIMIT(S)**

<b>Material</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Monitoring / Testing Method</b>	<b>Underlying Applicable Requirements</b>
1. Soybeans received	156,000,000 pounds/year <sup>A</sup>	12-month rolling time period as determined at the end of each calendar month	FG-PROCESS	SC VI.1	40 CFR 52.21(c) and (d)
2. Soybean oil shipped	18,720,000 pounds/year	12-month rolling time period as determined at the end of each calendar month	FG-PROCESS	SC VI.1	40 CFR 52.21(c) and (d)

<sup>A</sup> Corrected to 13% moisture content.

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

NA

#### **IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. All soybean conveyors and transfer operations, soybean cleaning (EU-SCREENER), and milling operations shall be totally enclosed. **(R 336.1301, R 336.1331, 40 CFR 52.21(c) and (d))**
2. The permittee shall install and maintain a scale capable of measuring the amount of soybeans received, and the amount of soybean oil shipped, as required by SC II.1 and II.2. **(R 336.1331, 40 CFR 52.21(c) and (d))**
3. The permittee shall install and operate no more than 3 screw presses. Each screw press shall have a maximum capacity, as rated by the manufacturer, of no greater than 100 tons per 24-hour period. **(R 336.1331, 40 CFR 52.21(c) and (d))**
4. The maximum design heat input capacity for EU-ROASTER shall not exceed 12.0 MMBtu per hour on a fuel heat input basis. **(R 336.1224, R 336.1225, R 336.1702(a), 40 CFR 52.21(c) and (d))**
5. The permittee shall not operate EU-ROASTER unless both cyclones are installed, maintained, and operated in a satisfactory manner. **(R 336.1301, R 336.1331, R 336.1910, 40 CFR 52.21(c) and (d))**
6. The permittee shall not operate EU-MEALCOOLER unless the cyclone is installed, maintained, and operated in a satisfactory manner. **(R 336.1301, R 336.1331, R 336.1910, 40 CFR 52.21(c) and (d))**

#### **V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. Upon request of the AQD District Supervisor, the permittee shall verify the PM emission rate from EU-ROASTER and/or the PM, PM10, and PM2.5 emission rates from EU-MEALCOOLER by testing at owner's expense, in accordance with Department requirements. Testing shall be performed using an approved EPA Method listed in:

Pollutant	Test Method Reference
PM	40 CFR Part 60, Appendix A; Part 10 of the Michigan Air Pollution Control Rules
PM10 / PM2.5	40 CFR Part 51, Appendix M

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.1331(1)(a), R 336.1902, R 336.2001, R 336.2003, R 336.2004, 40 CFR 52.21(c) and (d))**

#### **VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall monitor and record, in a satisfactory manner, the pounds of soybeans received (corrected to 13% moisture content), and the pounds of soybean oil shipped, on a monthly and 12-month rolling time period basis. **(40 CFR 52.21(c) and (d))**
2. The permittee shall keep manufacturer documentation showing the maximum design heat input capacity for EU-ROASTER. **(R 336.1331, 40 CFR 52.21(c) and (d))**
3. The permittee shall keep manufacturer documentation showing the maximum material throughput capacity of the presses. **(R 336.1331, 40 CFR 52.21(c) and (d))**
4. The permittee shall keep records, in a satisfactory manner, of the results from the most recent stack testing performed for FG-PROCESS. **(R 336.1331(1)(a), 40 CFR 52.21(c) and (d))**

**VII. REPORTING**

NA

**VIII. STACK/VENT RESTRICTION(S)**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

<b>Stack &amp; Vent ID</b>	<b>Maximum Exhaust Diameter / Dimensions (inches)</b>	<b>Minimum Height Above Ground (feet)</b>	<b>Underlying Applicable Requirements</b>
1. SVROASTER1	39	45	40 CFR 52.21(c) and (d)
2. SVROASTER2	39	45	40 CFR 52.21(c) and (d)
3. SVMEALCOOLER	24	50	40 CFR 52.21(c) and (d)

**IX. OTHER REQUIREMENT(S)**

NA

**FG-DUST  
 FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Potential sources of fugitive dust.

**Emission Unit:** EU-RECEIVING, EU-LOADOUT, EU-ROADS

**POLLUTION CONTROL EQUIPMENT**

NA

**I. EMISSION LIMIT(S)**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Monitoring / Testing Method</b>	<b>Underlying Applicable Requirements</b>
1. Visible emissions	5% opacity	6-minute average	Fugitive emissions from EU-ROADS	SC VI.1, SC VI.2	R 336.1301(1)(c), 40 CFR 52.21(c) and (d)

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. Within 60 days of permit issuance, the permittee shall submit a nuisance minimization plan for fugitive dust, for all plant roadways and all material receiving and loadout operations. The permittee shall implement and maintain the plan, which shall at a minimum specify the following:
  - a) Identification of the supervisory personnel responsible for overseeing the implementation of the plan.
  - b) A description of fugitive dust minimization procedures and equipment, such as applications of water, calcium chloride or other acceptable and approved dust suppressants.
  - c) A description of the methods and frequency of monitoring or surveillance procedures to determine when dust suppression measures are needed.

If at any time the nuisance minimization plan fails adequately address fugitive dust emissions from FG-DUST, the permittee shall amend the plan within 45 days after such an event occurs. The permittee shall also amend the plan within 45 days if new equipment is installed or upon request from the District Supervisor. The permittee shall submit the plan and any amendments to the plan to the AQD District Supervisor for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the plan or amended plan shall be considered approved. Until an amended plan is approved, the permittee shall implement corrective procedures or operational changes to achieve compliance with all applicable emission limits. **(R 336.1301, 40 CFR 52.21(c) and (d))**

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The permittee shall not operate EU-LOADOUT unless a loadout chute and boot system that minimize the drop distance are installed, maintained, and operated in a satisfactory manner. **(R 336.1301, R 336.1331, R 336.1910, 40 CFR 52.21(c) and (d))**

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall conduct weekly non-certified visual emission observations of EU-ROADS. Readings shall be performed while there is traffic present. If visible emissions are observed, the permittee shall implement the following procedures: **(R 336.1301, R 336.1303, 40 CFR 52.21(c) and (d))**
  - a) Determine the cause of the excessive visible emissions within four hours of discovery;
  - b) Identify and implement corrective measures to reduce/eliminate the excessive visible emissions within eight hours.
2. The permittee shall keep records, in a satisfactory manner, of all visual emissions observations and any corrective actions taken. **(R 336.1301, R 336.1303, 40 CFR 52.21(c) and (d))**
3. The permittee shall keep records, in a satisfactory manner, of fugitive dust minimization measures taken in accordance with the nuisance minimization plan for fugitive dust. **(R 336.1301, 40 CFR 52.21(c) and (d))**

**VII. REPORTING**

NA

**VIII. STACK/VENT RESTRICTION(S)**

NA

**IX. OTHER REQUIREMENT(S)**

NA