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

July 25, 2019

PERMIT TO INSTALL
144-15E

ISSUED TO
The Andersons, Inc.

LOCATED AT
26250 B Drive North
Sheridan Township, Michigan

IN THE COUNTY OF
Calhoun

STATE REGISTRATION NUMBER
B8570

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: **June 27, 2019**	
DATE PERMIT TO INSTALL APPROVED: **July 25, 2019**	SIGNATURE:
DATE PERMIT VOIDED:	SIGNATURE:
DATE PERMIT REVOKED:	SIGNATURE:

PERMIT TO INSTALL

Table of Contents

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
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_2e	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_2S	Hydrogen Sulfide
kW	Kilowatt
lb	Pound
m	Meter
mg	Milligram
mm	Millimeter
MM	Million
MW	Megawatts
NMOC	Non-Methane Organic Compounds
NO_x	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_2	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 conditions 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))	Installation Date / Modification Date	Flexible Group ID
EU-190PROOFCOND	190 proof condenser, controlled by thermal oxidizer C-10.	08-01-06	FGOXID FGNSPSVV
EU-200PROOFCOND	200 proof condenser, controlled by thermal oxidizer C-10.	08-01-06	FGOXID FGNSPSVV
EU-BEERCOLUMN	Beer column #1, controlled by thermal oxidizer C-10.	08-01-06	FGOXID FGNSPSVV
EU-CENTRIFUGE1	Centrifuge #1, controlled by thermal oxidizer C-10.	08-01-06	FGOXID FGNSPSVV
EU-CENTRIFUGE2	Centrifuge #2, controlled by thermal oxidizer C-10.	08-01-06	FGOXID FGNSPSVV
EU-CENTRIFUGE3	Centrifuge #3, controlled by thermal oxidizer C-10.	08-01-06	FGOXID FGNSPSVV
EU-CENTRIFUGE4	Centrifuge #4, controlled by thermal oxidizer C-10.	08-01-06	FGOXID FGNSPSVV
EU-DRYER1	Dried distillers grains with solubles (DDGS) dryer #1, controlled by thermal oxidizer C-10.	08-01-06 02-16-11	FGOXID
EU-DRYER2	DDGS dryer #2, controlled by thermal oxidizer C-10.	08-01-06 02-16-11	FGOXID
EU-RECTIFIER	Rectifier column #1, controlled by thermal oxidizer C-10.	08-01-06	FGOXID FGNSPSVV
EU-TO&WHRB	Thermal oxidizer and waste heat recovery boiler.	08-01-06 02-16-11	FGOXID
EU-YEASTTANK	Yeast tank, controlled by thermal oxidizer C-10.	08-01-06	FGOXID FGNSPSVV
EU-YEASTTANK2	Yeast tank, controlled by thermal oxidizer C-10.	08-01-06	FGOXID FGNSPSVV

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.

FLEXIBLE GROUP SPECIAL CONDITIONS

FLEXIBLE GROUP SUMMARY TABLE

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

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FGOXID	All equipment venting to thermal oxidizer C-10.	EU-190PROOFCOND EU-200PROOFCOND EU-BEERCOLUMN EU-CENTRIFUGE1 EU-CENTRIFUGE2 EU-CENTRIFUGE3 EU-CENTRIFUGE4 EU-DRYER1 EU-DRYER2 EU-RECTIFIER EU-SIDESTRIPPER EU-TO&WHRB EU-YEASTTANK EU-YEASTTANK2

FGOXID
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

All equipment venting to thermal oxidizer C-10.

Emission Units: EU-RECTIFIER, EU-SIDESTRIPPER, EU-BEERCOLUMN, EU-YEASTTANK, EU-YEASTTANK2, EU-DRYER1, EU-DRYER2, EU-TO&WHRB, EU-CENTRIFUGE1, EU-CENTRIFUGE2, EU-CENTRIFUGE3, EU-CENTRIFUGE4, EU-190PROOFCONDENSER, EU-200PROOFCONDENSER.

POLLUTION CONTROL EQUIPMENT

Thermal Oxidizer C-10

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. PM10	3.1 pph	Hourly	FGOXID	SC V.1 SC VI.12	**40 CFR 52.21(c) and (d)**
2. PM2.5	3.1 pph	Hourly	FGOXID	SC V.1 SC VI.13	**40 CFR 52.21(d)**
3. VOC	4.2 pph	Hourly	FGOXID	SC V.1 SC VI.14	**R 336.1702(a)**
4. NOx	27.5 pph	24-hour rolling average	FGOXID	SC VI.5 SC VI.16	**40 CFR 52.21(c) and (d)**
5. CO	21.4 pph	Hourly	FGOXID	SC V.1 SC VI.15	**40 CFR 52.21(d)**
6. Acetaldehyde	0.35 pph	Hourly	FGOXID	SC V.1 SC VI.14	**R 336.1205(1), R 336.1225**
7. NOx	0.1 lb/MMBTU	30-day rolling average	EU-TO&WHRB	40 CFR 60.46b(c) 60.48b(b)	**R 336.1205(1), 40 CFR 60.44b(a)**
8. Visible Emissions	5 percent opacity	Six-minute average	FGOXID	SC VI.2	**R 336.1205(1), R 336.1301**

II. MATERIAL LIMIT(S)

1. The permittee shall use only sweet natural gas and/or biomethanator off-gas as fuel in EU-DRYER1 and EU-DRYER2. **(R 336.1205(1), R 336.1205(2), 40 CFR 52.21(c) and (d))**

2. The permittee shall use only sweet natural gas as supplemental fuel in thermal oxidizer C-10. **(R 336.1205(1), R 336.1205(2), 40 CFR 52.21(c) and (d))**

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall not operate FGOXID unless thermal oxidizer C-10 is installed, maintained, and operated in a satisfactory manner. Satisfactory operation includes maintaining the thermal oxidizer according to the MAP. The thermal oxidizer shall be capable of attaining a minimum VOC destruction efficiency of 98 percent by weight, and maintaining the combustion chamber temperature of the thermal oxidizer at not less than 1400ºF or not less than 50ºF below the average combustion chamber temperature at which the VOC emission

limit was met during the most recent compliance test, whichever is higher. Operation during startup, including EU-RTO&HRSG combustion chamber temperature, shall be in accordance with the MAP. **(R 336.1205(1), R 336.1225, R 336.1331, R 336.1702(a), 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 by the AQD District Supervisor, the permittee shall verify the thermal oxidizer C-10 VOC destruction efficiency and the PM10, PM2.5, VOC, NOx, CO, and acetaldehyde emission rates from FGOXID by testing at owner's expense, in accordance with the Department requirements. Testing shall be performed using an approved EPA Method listed in:

Pollutant	Test Method Reference
PM10/PM2.5	40 CFR Part 51, Appendix M
NOx	40 CFR Part 60, Appendix A
CO	40 CFR Part 60, Appendix A
VOC	40 CFR Part 60, Appendix A
HAPs	40 CFR Part 63, Appendix A

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 336.1213(3), R 336.2001, R 336.2003, R 336.2004)**

VI. MONITORING/RECORDKEEPING

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

1. The permittee shall install, calibrate, and maintain in a satisfactory manner a device to monitor and record on a continuous basis the combustion chamber temperature of the thermal oxidizer C-10. Temperature data recording shall consist of measurements made at equally spaced intervals, not to exceed 15 minutes per interval. The combustion chamber temperature of the thermal oxidizer shall be maintained at not less than 1400ºF or not less than 50ºF below the average combustion chamber temperature at which the VOC emission limit was met during the most recent compliance test, whichever is higher The temperature monitoring device shall be calibrated once per calendar year. **(R 336.1205(1), R 336.1225, R 336.1702(a), R 336.1910)**

2. The permittee shall conduct a monthly one-minute visible emissions observation of the thermal oxidizer C-10 vent during routine operating conditions. For the purpose of this condition, such observations shall follow the procedures to record the reading, perform maintenance, and eliminate visible emissions outlined in Appendix 3. **(R 336.1205(1), R 336.1301)**

3. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor and record the NOx emissions for EU-TO&WHRB on a continuous basis and according to the procedures outlined in Appendix 3 (NOx and CO_2/O_2 Monitoring CEMS Requirements) and 40 CFR Part 60.48b(b)(1), (c), (d), (e), (f). **(R 336.1205(1), 40 CFR 60.48b)**

4. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor and record the flue gas oxygen concentration for EU-TO&WHRB on a continuous basis and according to the procedures outlined in Appendix 3 (NOx and CO2/O2 Monitoring CEMS Requirements) and 40 CFR Part 60.48. **(R 336.1205(1), 40 CFR 60.48b)**

5. The permittee shall keep, in a satisfactory manner, records of the occurrence and duration of any startup, shutdown, or malfunction in the operation; or any periods during which a continuous monitoring system or monitoring device is inoperative. The permittee shall keep all records on file and make them available to the Department upon request. **(40 CFR 60.7)**

6. The permittee shall keep, in a satisfactory manner, continuous records of the combustion chamber temperature of thermal oxidizer C-10. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1205(1), R 336.1225, R 336.1702(a), R 336.1910)**

7. The permittee shall keep, in a satisfactory manner, records of all visible emission readings for the thermal oxidizer. At a minimum, records shall include the date, time, name of observer/reader, whether the reader is certified, status of visible emissions, and whether repairs were needed. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1205(1), R 336.1301)**

8. All required calculations shall be completed in a format acceptable to the AQD District Supervisor and made available by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any recordkeeping, reporting or notification special condition. **(R 336.1225, R 336.1702(a), 40 CFR 52.21(c) and (d))**

9. The permittee shall keep, in a satisfactory manner, daily, monthly and 12-month rolling time period average natural gas and biomethanator off-gas use records and the annual capacity factor for EU-TO&WHRB. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each month. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1205(1), 40 CFR 60.49b(d))**

10. The permittee shall keep, in a satisfactory manner the following records for EU-TO&WHRB for each calendar day pursuant to the requirements of 40 CFR 60.49b:
    a) Calendar date that EU-TO&WHRB was in operation.
    b) Average hourly NOx emission rate in lb/MMBTU heat input.
    c) 30-day average NOx emission rate in lb/MMBTU heat input, calculated at the end of each operating day from the hourly NOx emission rates for the preceding 30-days.
    d) Excess emissions, reasons for excess emissions, and description for corrective actions taken.
    e) Identification of the operating days for which NOx data has not been obtained, reasons for not obtaining the data and description of corrective actions taken.
    f) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding the data.
    g) Identification of the “F” factor used for calculations, method of determining the “F” factor and type of fuel combusted.
    h) Identification of the times when the NOx concentration exceeds full span of the continuous emission monitoring system.
    i) Description of any modifications to the continuous emission monitoring system that could affect the ability of the continuous emission monitor to comply with Performance Specification 2.
    j) Results of daily CEMS drift tests and quarterly accuracy assessments as required under Procedure 1 of Appendix F of 40 CFR Part 60.

    The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1205(1), 40 CFR 60.49b(g), (h), (i), (o), (w))**

11. The permittee shall keep records of fuel supplier certifications of the sulfur content of the fuels burned in FGOXID. The permittee shall keep all records on file and make them available to the Department upon request. **(40 CFR 60.45b(k), 40 CFR 60.46b(i), 40 CFR 60.47b(g), 40 CFR 60.48b(j))**

12. The permittee shall keep the following information on a monthly and 12-month rolling time period, as determined at the end of each calendar month, for FGOXID:
    a) Results of the most recent PM10 emission test.
    b) PM10 emission rate determined from the PM10 emission test.
    c) Hours of operation of FGOXID.
    d) PM10 mass emission calculations determining the monthly emission rate in tons per calendar month, based on the PM10 emission rate and hours of operation.
    e) PM10 mass emission calculations determining the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.

The permittee shall keep the records on file at the facility, in a format acceptable to the AQD District Supervisor, and make them available to the Department upon request. **(40 CFR 52.21(c) and (d))**

13. The permittee shall keep the following information on a monthly and 12-month rolling time period, as determined at the end of each calendar month, for FGOXID:
    a) Results of the most recent PM2.5 emission test.
    b) PM2.5 emission rate determined from the PM2.5 emission test.
    c) Hours of operation of FGOXID.
    d) PM2.5 mass emission calculations determining the monthly emission rate in tons per calendar month, based on the PM2.5 emission rate and hours of operation.
    e) PM2.5 mass emission calculations determining the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.

    The permittee shall keep the records on file at the facility, in a format acceptable to the AQD District Supervisor, and make them available to the Department upon request. **(40 CFR 52.21 (c) and (d))**

14. The permittee shall keep the following information on a monthly and 12-month rolling time period, as determined at the end of each calendar month, for FGOXID:
    a) Results of the most recent VOC and acetaldehyde emission test.
    b) VOC and acetaldehyde emission rates determined from the VOC and acetaldehyde emission test.
    c) Hours of operation of FGOXID.
    d) VOC and acetaldehyde mass emission calculations determining the monthly emission rates in tons per calendar month, based on the VOC and acetaldehyde emission rates and hours of operation.
    e) VOC and acetaldehyde mass emission calculations determining the annual emission rates in tons per 12-month rolling time period as determined at the end of each calendar month.

    The permittee shall keep the records on file at the facility, in a format acceptable to the AQD District Supervisor, and make them available to the Department upon request. **(R 336.1205(1), R 336.1225, R 336.1702(a))**

15. The permittee shall keep the following information on a monthly and 12-month rolling time period, as determined at the end of each calendar month, for FGOXID:
    a) Results of the most recent CO emission test.
    b) CO emission rate determined from the CO emission test.
    c) Hours of operation of FGOXID.
    d) CO mass emission calculations determining the monthly emission rates in ton per calendar month, based on the CO emission rate and hours of operation.
    e) CO mass emission calculations determining the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.

    The permittee shall keep the records on file at the facility, in a format acceptable to the AQD District Supervisor, and make them available to the Department upon request. **(40 CFR 52.21(d))**

16. The permittee shall keep, in a satisfactory manner, the 24-hour rolling average NOx emission rate for FGOXID, as determined using the Continuous Emission Monitor System (CEMS) data. The permittee shall keep the records on file at the facility, in a format acceptable to the AQD District Supervisor, and make them available to the Department upon request. **(R 336.1205(1), 40 CFR 52.21(c) and (d))**
    See Appendix 3

VII. REPORTING

1. The permittee shall submit notification to the AQD District Supervisor of the design heat input capacity, the identification of fuels to be combusted and the annual capacity factor for EU-TO&WHRB as required by 40 CFR 60.7 and 40 CFR 60.49b(a). **(40 CFR 60.49b(a))**

2. Reports of the records kept as required by SC VI.10 shall be submitted every six months in accordance with 40 CFR 60.49b(w). **(R 336.1205(1), 40 CFR 60.49b(g), (h), (i), (o), (w))**

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:

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. S-10	72	125	**R 336.1225, 40 CFR 52.21(c) and (d)**

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all provisions of the federal Standards of Performance for New Stationary Sources as specified in 40 CFR Part 60 Subparts A and Db, as they apply to the equipment in FGOXID. **(40 CFR Part 60 Subparts A and Db)**

Footnotes:
[1] This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

Appendix 3. Monitoring Requirements

The following monitoring procedures, methods, or specifications are the details to the monitoring requirements identified and referenced in FGOXID.

1. Visible emissions shall be recorded as “observed” or “not observed.”
2. If visible emissions are observed, the maintenance supervisor shall be notified immediately and steps 2 through 6 must be followed.
3. A determination of needed repairs and/or maintenance, if applicable, shall be made within 24 hours and recorded.
4. If necessary, repair and/or maintenance operations shall be performed within 48 hours of discovery.
5. Routine maintenance shall be performed according to the manufacturer’s recommendations.
6. A six-minute average, Method 9 reading shall be performed to confirm compliance with the visible emission limit.

The following monitoring procedures, methods, or specifications are the details to the monitoring requirements identified and referenced in FGOXID.

NOx and CO_2/O_2 Monitoring
Continuous Emission Monitoring System (CEMS) Requirements

1. The permittee shall maintain a copy of the Monitoring Plan. The Monitoring Plan shall include drawings or specifications showing proposed locations and descriptions of the required CEMS.

2. The permittee shall maintain a copy of the final report demonstrating the CEMS complies with the requirements of the corresponding Performance Specifications (PS) in the following table.

Pollutant	Applicable PS
NO_x	2
CO_2/O_2	3

3. The span value shall be 2.0 times the lowest emission standard or as specified in the federal regulations.

4. The CEMS shall be installed, calibrated, maintained, and operated in accordance with the procedures set forth in 40 CFR 60.13 and PS 2 and 3 of Appendix B, 40 CFR Part 60.

5. Each calendar quarter, the permittee shall perform the Quality Assurance Procedures of the CEMS set forth in Appendix F of 40 CFR Part 60. Within 30 days following the end of each calendar quarter, the permittee shall submit the results to the AQD in the format of the data assessment report (Figure 1, Appendix F)

6. In accordance with 40 CFR 60.7(c) and (d), the permittee shall submit two copies of an excess emission report (EER) and summary report in an acceptable format to the AQD, within 30 days following the end of each calendar quarter. The Summary Report shall follow the format of Figure 1 in 40 CFR 60.7(d). The EER shall include the following information:
   a. A report of each exceedance above the limits specified in the conditions of this permit. This includes the date, time, magnitude, cause and corrective actions of all occurrences during the reporting period.
   b. A report of all periods of CEMS downtime and corrective action.
   c. A report of the total operating time of the each boiler during the reporting period.
   d. A report of any periods that the CEMS exceeds the instrument range.
   e. If no exceedances or CEMS downtime occurred during the reporting period, the permittee shall report that fact.

All monitoring data shall be kept on file for a period of at least five years and made available to the AQD upon request.