Iowa Department of Natural Resources
Title V Operating Permit

Name of Permitted Facility: Siculus, Inc.
Facility Location: 100 Share Way
Altoona, Iowa 50009
Air Quality Operating Permit Number: 18-TV-007R1
Expiration Date: April 7, 2029
Permit Renewal Application Deadline: October 7, 2028

EIQ Number: 92-6988
Facility File Number: 77-07-010

Responsible Official
Name: Ms. Kathy Rushmore
Title: Manager, Environment and Water
Mailing Address: 1 Hacker Way
Menlo Park, CA 94025
Phone #: (650) 308-7461

Permit Contact Person for the Facility
Name: Mr. Phillip Zeller
Title: EHS Site Coordinator
Mailing Address: 100 Share Way
Altoona, Iowa 50009
Phone #: (515) 393-6600

This permit is issued in accordance with 567 Iowa Administrative Code Chapter 22, and is issued subject to the terms and conditions contained in this permit.

For the Director of the Department of Natural Resources

Marnie Stein — April 8, 2024

Marnie Stein, Supervisor of Air Operating Permits Section — Date

Table of Contents

Abbreviations

acfm.....actual cubic feet per minute
AERMOD……..AMS/EPA Regulatory Model
AQD……Polk County Public Works- Air Quality Division
CAS……....Chemical Abstract Service Registry
CE .....Control Equipment
CEM.....Continuous Emission Monitor
CFR.....Code of Federal Regulation
DNR.....Iowa Department of Natural Resources
^{o}F.....degrees Fahrenheit
EIQ.....Emissions Inventory Questionnaire
EP……Emission Point
EU……...Emission Unit
gr./dscf .....grains per dry standard cubic foot
IAC.....Iowa Administrative Code
MACT…….Maximum Achievable Control Technology
μg/m^3……..Micrograms per Cubic Meter
MM BTU/ Hr……..Million British Thermal Units per Hour
MSDS…….Material Safety Data Sheet(s)
MVAC.....Motor Vehicle Air Conditioner
NAICS.....North American Industry Classification System
NESHAP…….National Emission Standards for Hazardous Air Pollutants
NSPS.....New Source Performance Standard
ppmv……..…parts per million by volume
psia……..pounds per square inch absolute
lb./hr.....pounds per hour
lb./MMBtu .....pounds per Million British thermal units
SCC.....Source Classification Codes
scfm…….standard cubic feet per minute
sdcfm……...standard dry cubic feet per minute
SIC……..Standard Industrial Classification
TPY…….Tons Per Year
USEPA.....United States Environmental Protection Agency
VCU……Vapor Combustion Unit

Pollutants

PM.....Particulate Matter
PM_{10}……...Particulate Matter ten microns or less in diameter
$PM_{2.5}$……...Particulate Matter 2.5 microns or less in diameter
SO_2 .....Sulfur dioxide
NO_x .....Nitrogen Oxides
VOC(s).....Volatile Organic Compound(s)
CO.....Carbon Monoxide
HAP(s) .....Hazardous Air Pollutant(s)

I. Facility Description and Equipment List

Facility Name: Siculus, Inc.
Permit Number: 18-TV-007R1

Facility Description: Computer Processing, Data Preparation and Processing Services (SIC: 7374) (NAICS Code: 518210)

Equipment List

Emission Point Number	Emission Unit Number	Emission Unit Description	Polk County Construction Permit Number
ATN4-EGES	ATN4-EGES	Caterpillar Model C18 diesel fired emergency generator, 600 kW	3063 Modified #3
ATN3-EGA1	ATN3-EGA1	Caterpillar Model C32 diesel fired emergency generator, 1,000 kW	3272 Modified
ATN1-EG1	ATN1-EG1	3,000 kW Emergency Generator	3076
ATN1-EG2	ATN1-EG2	3,000 kW Emergency Generator	3077
ATN1-EG3	ATN1-EG3	3,000 kW Emergency Generator	3078
ATN1-EG4	ATN1-EG4	3,000 kW Emergency Generator	3079
ATN1-EG1R	ATN1-EG1R	3,000 kW Emergency Generator	3080
ATN1-EG5	ATN1-EG5	3,000 kW Emergency Generator	3081
ATN1-EG6	ATN1-EG6	3,000 kW Emergency Generator	3082
ATN1-EG7	ATN1-EG7	3,000 kW Emergency Generator	3083
ATN1-EG2R	ATN1-EG2R	3,000 kW Emergency Generator	3084
ATN1-EG8	ATN1-EG8	3,000 kW Emergency Generator	3085
ATN1-EG9	ATN1-EG9	3,000 kW Emergency Generator	3086
ATN1-EG10	ATN1-EG10	3,000 kW Emergency Generator	3087
ATN1-EG11	ATN1-EG11	3,000 kW Emergency Generator	3088
ATN1-EG12	ATN1-EG12	3,000 kW Emergency Generator	3089
ATN1-EG13	ATN1-EG13	3,000 kW Emergency Generator	3090
ATN1-EG14	ATN1-EG14	3,000 kW Emergency Generator	3091
ATN2-EG1	ATN2-EG1	3,000 kW Emergency Generator	3092
ATN2-EG2	ATN2-EG2	3,000 kW Emergency Generator	3093
ATN2-EG3	ATN2-EG3	3,000 kW Emergency Generator	3094
ATN2-EG1R	ATN2-EG1R	3,000 kW Emergency Generator	3095
ATN2-EG5	ATN2-EG5	3,000 kW Emergency Generator	3096
ATN2-EG6	ATN2-EG6	3,000 kW Emergency Generator	3097
ATN2-EG7	ATN2-EG7	3,000 kW Emergency Generator	3098
ATN2-EG8	ATN2-EG8	3,000 kW Emergency Generator	3099
ATN2-EG9	ATN2-EG9	3,000 kW Emergency Generator	3100

Emission Point Number	Emission Unit Number	Emission Unit Description	Polk County Construction Permit Number
ATN2-EG10	ATN2-EG10	3,000 kW Emergency Generator	3101
ATN2-EG2R	ATN2-EG2R	3,000 kW Emergency Generator	3102
ATN2-EG12	ATN2-EG12	3,000 kW Emergency Generator	3103
ATN2-EG13	ATN2-EG13	3,000 kW Emergency Generator	3104
ATN2-EG14	ATN2-EG14	3,000 kW Emergency Generator	3105
ATN3-EG1	ATN3-EG1	3,000 kW Emergency Generator	3106
ATN3-EG2	ATN3-EG2	3,000 kW Emergency Generator	3107
ATN3-EG3	ATN3-EG3	3,000 kW Emergency Generator	3108
ATN3-EG1R	ATN3-EG1R	3,000 kW Emergency Generator	3109
ATN3-EG5	ATN3-EG5	3,000 kW Emergency Generator	3110
ATN3-EG6	ATN3-EG6	3,000 kW Emergency Generator	3111
ATN3-EG7	ATN3-EG7	3,000 kW Emergency Generator	3112
ATN3-EG8	ATN3-EG8	3,000 kW Emergency Generator	3113
ATN3-EG9	ATN3-EG9	3,000 kW Emergency Generator	3114
ATN3-EG10	ATN3-EG10	3,000 kW Emergency Generator	3115
ATN3-EG2R	ATN3-EG2R	3,000 kW Emergency Generator	3116
ATN3-EG12	ATN3-EG12	3,000 kW Emergency Generator	3117
ATN3-EG13	ATN3-EG13	3,000 kW Emergency Generator	3118
ATN3-EG14	ATN3-EG14	3,000 kW Emergency Generator	3119
ATN3-EGN1	ATN3-EGN1	3,000 kW Emergency Generator	3273
ATN3-EGN2	ATN3-EGN2	3,000 kW Emergency Generator	3274
ATN3-EGN3	ATN3-EGN3	3,000 kW Emergency Generator	3275
ATN3-EGN4	ATN3-EGN4	3,000 kW Emergency Generator	3276
ATN5-EG1	ATN5-EG1	3,000 kW Emergency Generator	3120
ATN5-EG2	ATN5-EG2	3,000 kW Emergency Generator	3121
ATN5-EG3	ATN5-EG3	3,000 kW Emergency Generator	3122
ATN5-EG1R	ATN5-EG1R	3,000 kW Emergency Generator	3123
ATN5-EG5	ATN5-EG5	3,000 kW Emergency Generator	3124
ATN5-EG6	ATN5-EG6	3,000 kW Emergency Generator	3125
ATN5-EG7	ATN5-EG7	3,000 kW Emergency Generator	3126
ATN5-EG8	ATN5-EG8	3,000 kW Emergency Generator	3127
ATN5-EG9	ATN5-EG9	3,000 kW Emergency Generator	3128
ATN5-EG10	ATN5-EG10	3,000 kW Emergency Generator	3129
ATN5-EG2R	ATN5-EG2R	3,000 kW Emergency Generator	3130
ATN5-EG12	ATN5-EG12	3,000 kW Emergency Generator	3131
ATN5-EG13	ATN5-EG13	3,000 kW Emergency Generator	3132
ATN5-EG14	ATN5-EG14	3,000 kW Emergency Generator	3133
ATN6-EG1	ATN6-EG1	3,000 kW Emergency Generator	3134
ATN6-EG2	ATN6-EG2	3,000 kW Emergency Generator	3135
ATN6-EG3	ATN6-EG3	3,000 kW Emergency Generator	3136
ATN6-EG1R	ATN6-EG1R	3,000 kW Emergency Generator	3137

Emission Point Number	Emission Unit Number	Emission Unit Description	Polk County Construction Permit Number
ATN6-EG5	ATN6-EG5	3,000 kW Emergency Generator	3138
ATN6-EG6	ATN6-EG6	3,000 kW Emergency Generator	3139
ATN6-EG7	ATN6-EG7	3,000 kW Emergency Generator	3140
ATN6-EG8	ATN6-EG8	3,000 kW Emergency Generator	3141
ATN6-EG9	ATN6-EG9	3,000 kW Emergency Generator	3142
ATN6-EG10	ATN6-EG10	3,000 kW Emergency Generator	3143
ATN6-EG2R	ATN6-EG2R	3,000 kW Emergency Generator	3144
ATN6-EG12	ATN6-EG12	3,000 kW Emergency Generator	3145
ATN6-EG13	ATN6-EG13	3,000 kW Emergency Generator	3146
ATN6-EG14	ATN6-EG14	3,000 kW Emergency Generator	3147
ATN6-EGN1	ATN6-EGN1	3,000 kW Emergency Generator	3246
ATN6-EGN2	ATN6-EGN2	3,000 kW Emergency Generator	3247
ATN6-EGN3	ATN6-EGN3	3,000 kW Emergency Generator	3248
ATN6-EGN4	ATN6-EGN4	3,000 kW Emergency Generator	3249
ATN5-EGN1	ATN5-EGN1	3,100 kW Emergency Generator	3565
ATN5-EGN2	ATN5-EGN2	3,100 kW Emergency Generator	3566
ATN5-EGN3	ATN5-EGN3	3,100 kW Emergency Generator	3567
ATN5-EGN4	ATN5-EGN4	3,100 kW Emergency Generator	3568
PCI1-EGRA	PCI1-EGRA	3,000 kW Cummins Emergency Generator	3462
PCI1-EGRB	PCI1-EGRB	3,000 kW Cummins Emergency Generator	3463
PCI1-EGRC	PCI1-EGRC	3,000 kW Cummins Emergency Generator	3464
PCI1-EGN1	PCI1-EGN1	3,000 kW Cummins Emergency Generator	3465
PCI1-EGN2	PCI1-EGN2	3,000 kW Cummins Emergency Generator	3466
PCI1-EGN3	PCI1-EGN3	3,000 kW Cummins Emergency Generator	3467
PCI1-EGN4	PCI1-EGN4	3,000 kW Cummins Emergency Generator	3468
PCI2-EGN1	PCI2-EGN1	3,000 kW Cummins Emergency Generator	3471
PCI2-EGN2	PCI2-EGN2	3,000 kW Cummins Emergency Generator	3472
PCI2-EGN3	PCI2-EGN3	3,000 kW Cummins Emergency Generator	3473
PCI2-EGN4	PCI2-EGN4	3,000 kW Cummins Emergency Generator	3474
PCI3-EGN1	PCI3-EGN1	3,000 kW Cummins Emergency Generator	3569
PCI3-EGN2	PCI3-EGN2	3,000 kW Cummins Emergency Generator	3570
PCI3-EGN3	PCI3-EGN3	3,000 kW Cummins Emergency Generator	3571
PCI3-EGN4	PCI3-EGN4	3,000 kW Cummins Emergency Generator	3572
PCI4-EGES	PCI4-EGES	3,000 kW Cummins Emergency Generator	3573
PCI5-EGN1	PCI5-EGN1	3,000 kW Cummins Emergency Generator	3574
PCI5-EGN2	PCI5-EGN2	3,000 kW Cummins Emergency Generator	3575
PCI5-EGN3	PCI5-EGN3	3,000 kW Cummins Emergency Generator	3576
PCI5-EGN4	PCI5-EGN4	3,000 kW Cummins Emergency Generator	3577
PCI6-EGN1	PCI6-EGN1	3,000 kW Cummins Emergency Generator	3578
PCI6-EGN2	PCI6-EGN2	3,000 kW Cummins Emergency Generator	3579
PCI6-EGN3	PCI6-EGN3	3,000 kW Cummins Emergency Generator	3580

Emission Point Number	Emission Unit Number	Emission Unit Description	Polk County Construction Permit Number
PCI6-EGN4	PCI6-EGN4	3,000 kW Cummins Emergency Generator	3581
PCI1-EGA1	PCI1-EGA1	1,000 kW Cummins Emergency Generator	3475
ATN5-EGA1	ATN5-EGA1	1,000 kW Caterpillar Emergency Generator	3738
CT1	CT1	Cooling Tower	3634
CT2	CT2	Cooling Tower	3634
CT3	CT3	Cooling Tower	3634

Insignificant Activities Equipment List

Insignificant Emission Unit Number	Insignificant Emission Unit Description
DBT-G1	3.0 MW and 3.1 MW Engines – Diesel Belly Tanks – CAT (84 Total) (7,600 – 8,500 useable gallons, each)
DBT-G3	600 kW Engine – Diesel Belly Tank (1 Total) (1,560 useable gallons)
DBT-G4	1.0 MW Engines – Diesel Belly Tanks - CAT (2 Total) (2,200 useable gallons)
DBT-G5	3.0 MW Engines – Diesel Belly Tanks – Cummins (24 Total) (6,480 useable gallons, each)
DBT-G6	1.0 MW Engine – Diesel Belly Tank – Cummins (1 Total) (2,130 useable gallons)

II. Plant-Wide Conditions

Facility Name: Siculus, Inc.
Permit Number: 18-TV-007R1

Permit conditions are established in accord with 567 Iowa Administrative Code rule 22.108

Permit Duration

The term of this permit is: Five (5) years
Commencing on: April 8, 2024
Ending on: April 7, 2029

Amendments, modifications and reopenings of the permit shall be obtained in accordance with 567 Iowa Administrative Code rules 22.110 - 22.114. Permits may be suspended, terminated, or revoked as specified in 567 Iowa Administrative Code Rules 22.115.

Emission Limits
Unless specified otherwise in the Source Specific Conditions, the following limitations and supporting regulations apply to all emission points at this plant:

Opacity (visible emissions): <20% opacity
Authority for Requirement: Polk County Board of Health Rules and Regulations: Chapter V, Article IV, Section 5-9

Sulfur Dioxide (SO2): 500 parts per million by volume
Authority for Requirement: 567 IAC 23.3(3)"e"
Polk County Board of Health Rules and Regulations: Chapter V, Article IX, Section 5-27

Particulate Matter: If the Polk County Health Officer determines that a process complying with the emission rates specified in Table 1 of Section 5-15 of Polk County Board of Health Rules and Regulations Chapter V is causing or will cause air pollution, the Polk County Health Officer will notify the source of such determination. Upon notification, the source shall not emit particulates in amounts greater than 0.10 grain per standard cubic foot of exhaust gas.
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)

Particulate Matter:
No person shall cause or allow the emission of particulate matter from any source in excess of the emission standards specified in this chapter, except as provided in 567 – Chapter 24. For sources constructed, modified or reconstructed on or after July 21, 1999, the emission of particulate matter from any process shall not exceed an emission standard of 0.1 grain per dry standard cubic foot of exhaust gas, except as provided in 567 – 21.2(455B), 23.1(455B), 23.4(455B) and 567 – Chapter 24.
For sources constructed, modified or reconstructed prior to July 21, 1999, the emission of particulate matter from any process shall not exceed the amount determined from Table I, or amount specified in a permit if based on an emission standard of 0.1 grain per standard cubic foot of exhaust gas or established from standards provided in 23.1(455B) and 23.4(455B).
Authority for Requirement: 567 IAC 23.3(2)"a"

Combustion for indirect heating: Inside any metropolitan statistical area, the maximum allowable emission from each stack, irrespective of stack height, shall be 0.6 pounds of particulates per million Btu input.
Authority for Requirement: 567 IAC 23.3(2)"b"(2)
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-15(b)

Fugitive Dust: It shall be unlawful for any person handling, loading, unloading, reloading, storing, transferring, transporting, placing, depositing, throwing, discarding, or scattering any ashes, fly ash, cinders, slag or dust collected from any combination process, any dust, dirt, chaff, wastepaper, trash, rubbish, waste or refuse matter of any kind, or any other substance or material whatever, which is likely to be scattered by the wind, or is susceptible to being wind-borne, to do so without taking reasonable precautions or measures to prevent particulate matter from becoming airborne so as to minimize atmospheric pollution.
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article IX, Section 5-24

Fugitive Dust: Attainment and Unclassified Areas - A person shall take reasonable precautions to prevent particulate matter from becoming airborne in quantities sufficient to cause a nuisance as defined in Iowa Code section 657.1 when the person allows, causes or permits any materials to be handled, transported or stored or a building, its appurtenances or a construction haul road to be used, constructed, altered, repaired or demolished, with the exception of farming operations or dust generated by ordinary travel on unpaved roads. Ordinary travel includes routine traffic and road maintenance activities such as scarifying, compacting, transporting road maintenance surfacing material, and scraping of the unpaved public road surface. (the preceding sentence is State Only) All persons, with the above exceptions, shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate. The public highway authority shall be responsible for taking corrective action in those cases where said authority has received complaints of or has actual knowledge of dust conditions which require abatement pursuant to this subrule. Reasonable precautions may include, but not be limited to, the following procedures.

1. Use, where practical, of water or chemicals for control of dusts in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land.
2. Application of suitable materials, such as but not limited to asphalt, oil, water or chemicals on unpaved roads, material stockpiles, race tracks and other surfaces which can give rise to airborne dusts.
3. Installation and use of containment or control equipment, to enclose or otherwise limit the emissions resulting from the handling and transfer of dusty materials, such as but not limited to grain, fertilizer or limestone.
4. Covering, at all times when in motion, open-bodied vehicles transporting materials likely to give rise to airborne dusts.
5. Prompt removal of earth or other material from paved streets or to which earth or other material has been transported by trucking or earth-moving equipment, erosion by water or other means.
6. Reducing the speed of vehicles traveling over on-property surfaces as necessary to minimize the generation of airborne dusts.

Authority for Requirement: 567 IAC 23.3(2)"c"

The following emission limits shall not be exceeded for the facility (all stationary internal combustion engines):

Pollutant	**[1, 2]tons/yr**
Particulate Matter (PM)	10.61
Particulate Matter (PM_{10})	10.61
Particulate Matter ($PM_{2.5}$)	10.61
Sulfur Dioxide (SO_2)	0.16
Nitrogen Oxides ($NO_{x)}$	248.07
Volatile Organic Compound (VOC)	47.73
Carbon Monoxide (CO)	132.51

[1] For NOx, CO, VOC, and PM, potential annual emissions assume the engines with the highest lb/gal emission factors are operated for a maximum of 500 hours per year until the fuel usage limit of 1,493,720 gallons is reached.
[2] For all other pollutants, the potential annual emissions are based on the site-wide annual fuel usage limit and the pollutant emission factor (lb/gal).

Authority for Requirement: Polk County AQD Construction Permits: 3063 Modified #3, 3272 Modified; Polk County AQD Group Of Identical Permits PR-000338-2019, PR-000443-2020; Polk County AQD Construction Permits 3475, and 3738.

III. Emission Point-Specific Conditions

Facility Name: Siculus, Inc.
Permit Number: **18-TV-007R1**

Emission Point ID Number: ATN4-EGES

Emission Unit vented through this Emission Point: ATN4-EGES
Emission Unit Description: Caterpillar Model C18 diesel fired emergency generator
Raw Material/Fuel: Diesel Fuel
Rated Capacity: 600 kW; 900 bhp; 42.7 gal/hr.

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: <20 %[(1)]
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article IV, Section 5-9
Polk County AQD Construction Permit 3063 Modified #3

[(1)] An exceedance of the opacity limit will require the owner or operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the Polk County AQD may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutants: $PM_{2.5}$
Emission Limits: 0.21 lbs./hr, 0.05 tons/year
Authority for Requirement: Polk County AQD Construction Permit 3063 Modified #3

Pollutants: PM_{10}
Emission Limits: 0.21 lbs./hr, 0.05 tons/year
Authority for Requirement: Polk County AQD Construction Permit 3063 Modified #3

Pollutant: Particulate Matter
Emission Limits: 0.21 lbs./hr, 0.05 tons/year, and 0.10 gr/dscf
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)
Polk County AQD Construction Permit 3063 Modified #3

Pollutant: Sulfur Dioxide (SO_2)
Emission Limits: 0.009 lbs./hr, 0.002 tons/year, and 0.5 lb/MMBtu
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article IX, Section 5-27
Polk County AQD Construction Permit 3063 Modified #3

Pollutant: Nitrogen Oxides (NOx)
Emission Limits: 12.32 lbs./hr, 3.08 tons/year
Authority for Requirement: Polk County AQD Construction Permit 3063 Modified #3

Pollutant: Volatile Organic Compound (VOC)
Emission Limits: 0.14 lbs./hr, 0.04 tons/year
Authority for Requirement: Polk County AQD Construction Permit 3063 Modified #3

Pollutant: Carbon Monoxide (CO)
Emission Limits: 1.73 lbs./hr, 0.43 tons/year
Authority for Requirement: Polk County AQD Construction Permit 3063 Modified #3

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS/NESHAP applicability:

40 CFR 60 Subpart IIII-Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. 40 CFR 63 Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

NSPS Requirements:
*The owner or operator shall comply with all applicable requirements of 40 CFR 60 subpart IIII-Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.
*§60.4205(b) must comply with emission standards for new engines in §60.4202
*§60.4202(a)(2) provide certification that it will comply with standards in 40 CFR 1039, Appendix I, as applicable, for all pollutants
The emission standards that the engine must be certified by the manufacturer to meet are:

Pollutant	Emission Standard	Regulatory Basis
Particulate Matter (PM)	0.20 grams/kW-hr	Appendix I to §1039 Table 2
NMHC+NOx	6.4 grams/kW-hr	Appendix I to §1039 Table 2
Carbon Monoxide (CO)	3.5 grams/kW-hr	Appendix I to §1039 Table 2
Opacity –acceleration mode	20%	§1039.105(b)(1)
Opacity-lugging mode	15%	§1039.105(b)(2)
Opacity-peaks in acceleration or lugging mode	50%	§1039.105(b)(3)

* §60.4206 owners and operators must operate and maintain stationary CI ICE that achieve the emission standards as required in §§60.4204 and 60.4205 over the entire life of the engine.
* The owner or operator must use fuel that meets requirements of §60.4207.
*The owner or operator shall meet the applicable monitoring requirements of §60.4209.
*The owner or operator shall meet the applicable monitoring requirements of §60.4211.
*The owner or operator shall operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission related written instructions per §60.4211(a)(1).
*The owner or operator shall change only those emission-related settings that are permitted by the manufacturer per §60.4211(a)(2).
*The owner or operator shall meet the requirements of 40 CFR part 1068 as they apply to you per §60.4211(a)(3).
*The owner or operator shall comply with the emission standards by purchasing an engine certified to the emission standards in §60.4204(b), or §60.4205(b) or (c), as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in paragraph (g) of this section per §60.4211(c).
* If you do not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted by the manufacturer, you must demonstrate compliance as required by §60.4211(g)(1), (2), and (3) per §60.4211(g).
* Any required compliance testing shall be performed according to the methods and procedures of §60.4212.
* The owner or operator shall record the run time each time the unit is operated. The log shall indicate the purpose of the operation, i.e., maintenance check, readiness testing or emergency use per §60.4214
* The owner or operator shall comply with the applicable notification, reporting, and recordkeeping requirements of §60.4214.

NOTE: The absence of the inclusion of any NSPS requirements as part of this permit does not relieve the owner or operator from any obligation to comply with all applicable NSPS conditions.

Authority for Requirement: 40 CFR Part 60 Subpart IIII
567 IAC 23.1(2)"yyy"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-16 (n)(77)
Polk County AQD Construction Permit 3063 Modified #3

NESHAP Requirements:
* The owner or operator shall comply with all applicable requirements of 40 CFR 63 subpart ZZZZ -National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.
* Per §63.6590(c) the facility satisfies all requirements of this subpart by complying with 40 CFR 60 subpart IIII.

NOTE: The absence of the inclusion of any NESHAP requirements as part of this permit does not relieve the owner or operator from any obligation to comply with all applicable NESHAP conditions.

Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ
567 IAC 23.1(4)"cz"
Polk County Board of Health Rules and Regulations Chapter V, Article VIII, Section 5-20 (zzzz)
Polk County Construction Permit Number 3063 Modified #3

Additional Requirements

Operating Limits:

A. The stationary internal combustion engines at the facility are limited to combusting diesel fuel oil that meets the requirements of Condition G, (*below).*

B. The stationary internal combustion engines at the facility are limited to combusting a maximum of 1,493,720 gallons of diesel fuel per rolling 12-month period, rolled monthly.

C. No single stationary internal combustion engine at the facility may exceed 500 hours of total operation in any 12-month period, rolled monthly.

D. For seven days per calendar year, the facility may operate all stationary internal combustion engines at the facility for any amount of time provided that the annual fuel usage limit from Condition B, *(above),* and the restrictions for an emergency engine from Condition F, (*below),* are complied with. These seven days are defined as "unrestricted days" for the purpose of the air dispersion modeling that was conducted for Polk County AQD construction permit 3063 Modified #3. An "unrestricted day' shall begin and end at midnight.

E. On a day that is not an "unrestricted day", the stationary internal combustion engines at the facility are limited to combusting a maximum of 31,104 gallons of diesel fuel per calendar day total. A "calendar day" is defined as the twenty-four (24) hour period that begins at 12:00 AM (CST) and ends at 11:59 PM (CST).

F. This engine is limited to operate as an emergency stationary internal combustion engine as defined in §60.4219 and in accordance with §60.4211. There is no limit on the use of the engine in emergency situations provided that the requested fuel usage limit established in Condition B, *(above),* and hour restriction of Condition C, *(above),* is not exceeded.

i. In accordance with §60.4211, the engine is limited to a maximum of 100 hours per calendar year for maintenance checks and readiness testing.

ii. The engine is allowed to operate up to 50 hours per calendar year in non-emergency situations, but the 50 hours are counted toward the 100 hours provided for maintenance and testing. The 50 hours per calendar year for non-emergency operation cannot be used to generate income for the facility to supply power to the electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity. This engine is not allowed to operate as a peak

shaving unit.

G. In accordance with §60.4207(b), the diesel fuel oil combusted in this engine shall meet the following specifications from 40 CFR 1090.305(b)&(c) for nonroad diesel fuel:

i. a maximum sulfur content of 15 ppm (0.0015%) by weight; and

ii. a minimum cetane index of 40 or a maximum aromatic content of 35 percent by volume.

H. In accordance with §60.4209(a), the engine shall be equipped with a non-resettable hour meter.

I. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in §60.4211(g).

J. In accordance with §60.4211(a), this engine shall be operated and maintained in accordance with the manufacturer's emission-related written instructions. The owner or operator may only change emission-related engine settings that are permitted by the manufacturer.

Recordkeeping Requirements:

1. The owner or operator shall record the date, time and run time each time the unit is operated. The log shall indicate the purpose of the operation, ie. maintenance check, readiness testing or emergency use per §60.4214.

2. The owner or operator shall maintain the following daily records for each emission unit:

i) the number of engine-hours that the engine operated.

ii) the total number of engine-hours that all stationary internal combustion engines at the facility operated.

iii) whether the day is an "unrestricted day" or not an "unrestricted day" in accordance with Condition *D* above.

3. The owner or operator shall maintain the following monthly records for each emission unit:

i) the number of hours that the engine is operated for maintenance checks and readiness testing.

ii) the number of hours that the engine is operated for allowed non-emergency operations.

iii) the total number of hours that the engine is operated.

iv) the total amount of fuel oil (in gallons) combusted for all stationary internal combustion engines.

v) each of the above records shall include the rolling 12-month total of hours for each category of operation (i.e. maintenance and readiness testing, non-emergency use, total hours of operation, total amount of fuel oil combusted).

4. The owner or operator shall maintain the following annual records for each emission unit on a calendar year basis:

i) the number of hours that the engine operated for maintenance checks and readiness testing.

ii) the number of hours that the engine operated for allowed non-emergency operations

iii) the total number of "emergency days" that the facility had.

iv) the total amount of fuel oil combusted for all stationary internal combustion engines.

5. The owner or operator shall comply with the requirement of *G*. listed above by one of the following methods:

i) have the fuel supplier certify that the fuel delivered meets the definition of non-road diesel fuel as defined in 40 CFR 1090.305(b)&(c);

ii) obtain a fuel analysis from the supplier showing the sulfur content and cetane index or aromatic content of the fuel delivered, or

iii) perform an analysis of the fuel to determine the sulfur content and cetane index or aromatic content of the fuel received.

6. All records shall be kept on site for a minimum period of five years and be made available to Polk County Air Quality personnel upon request.

Authority for Requirement: 40 CFR Part 60 Subpart IIII
567 IAC 23.1(2)"yyy"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-16 (n)(77)
Polk County AQD Construction Permit 3063 Modified #3

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (from the ground): 17.7'
Stack Opening: 10", Circular
Exhaust Flow Rate: 1,740 scfm
Exhaust Temperature: 994°F
Discharge Style: Vertical, unobstructed
Authority for Requirement: Polk County AQD Construction Permit 3063 Modified #3

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Visible Emissions (VE) shall be observed during testing and maintenance periods to ensure none occur during steady state conditions of the unit. No visible emissions are expected from this emission point under steady state conditions. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than the next scheduled maintenance or testing operation. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity greater than or equal to 20 % is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than the next scheduled maintenance or testing operation. If weather conditions prevent the observer from conducting a VE observation, the observer shall note such conditions on the data observation sheet. A VE observation shall be made during the next testing and maintenance period where weather permits.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Compliance Assurance Monitoring (CAM) Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: ATN3-EGA1

Emission Unit vented through this Emission Point: ATN3-EGA1
Emission Unit Description: Caterpillar Model C32 diesel fired emergency generator
Raw Material/Fuel: Diesel Fuel
Rated Capacity: 1,000 kW; 1,474 bhp; 72.4 gal/hr.

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: <20 %(1)
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article IV, Section 5-9
Polk County AQD Construction Permit 3272 Modified

(1) An exceedance of the opacity limit will require the owner or operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the Polk County AQD may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: $PM_{2.5}$
Emission Limits: 0.26 lbs./hr, 0.06 tons/year
Authority for Requirement: Polk County AQD Construction Permit 3272 Modified

Pollutant: PM_{10}
Emission Limits: 0.26 lbs./hr, 0.06 tons/year
Authority for Requirement: Polk County AQD Construction Permit 3272 Modified

Pollutant: Particulate Matter
Emission Limits: 0.26 lbs./hr, 0.06 tons/year, and 0.10 gr/dscf
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)
Polk County AQD Construction Permit 3272 Modified

Pollutant: Sulfur Dioxide (SO_2)
Emission Limits: 0.02 lbs./hr, 0.004 tons/year, and 0.5 lb/MMBtu
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article IX, Section 5-27
Polk County AQD Construction Permit 3272 Modified

Pollutant: Nitrogen Oxides (NOx)
Emission Limits: 19.52 lbs./hr, 4.88 tons/year
Authority for Requirement: Polk County AQD Construction Permit 3272 Modified

Pollutant: Volatile Organic Compound (VOC)
Emission Limits: 0.34 lbs./hr, 0.08 tons/year
Authority for Requirement: Polk County AQD Construction Permit 3272 Modified

Pollutant: Carbon Monoxide (CO)
Emission Limits: 2.78 lbs./hr, 0.69 tons/year
Authority for Requirement: Polk County AQD Construction Permit 3272 Modified

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS/NESHAP applicability:

The facility is subject to 40 CFR 60 Subpart IIII-Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. The facility is subject to 40 CFR 63 Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

NSPS Requirements:
*The owner or operator shall comply with all applicable requirements of 40 CFR 60 subpart IIII-Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.
*§60.4205(b) must comply with emission standards for new engines in §60.4202
*§60.4202(a)(2) provide certification that it will comply with standards in 40 CFR 1039, Appendix I, as applicable, for all pollutants
The emission standards that the engine must be certified by the manufacturer to meet are:

Pollutant	Emission Standard	Regulatory Basis
Particulate Matter (PM)	0.20 grams/kW-hr	Appendix I to §1039 Table 2
NMHC+NOx	6.4 grams/kW-hr	Appendix I to §1039 Table 2
Carbon Monoxide (CO)	3.5 grams/kW-hr	Appendix I to §1039 Table 2
Opacity –acceleration mode	20%	§1039.105(b)(1)
Opacity-lugging mode	15%	§1039.105(b)(2)
Opacity-peaks in acceleration or lugging mode	50%	§1039.105(b)(3)

* §60.4206 owners and operators must operate and maintain stationary CI ICE that achieve the emission standards as required in §§60.4204 and 60.4205 over the entire life of the engine.
* The owner or operator must use fuel that meets requirements of §60.4207.
*The owner or operator shall meet the applicable monitoring requirements of §60.4209.
*The owner or operator shall meet the applicable monitoring requirements of §60.4211.

*The owner or operator shall operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission related written instructions per §60.4211(a)(1).
*The owner or operator shall change only those emission-related settings that are permitted by the manufacturer per §60.4211(a)(2).
*The owner or operator shall meet the requirements of 40 CFR part 1068 as they apply to you per §60.4211(a)(3).
*The owner or operator shall comply with the emission standards by purchasing an engine certified to the emission standards in §60.4204(b), or §60.4205(b) or (c), as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in paragraph (g) of this section per §60.4211(c).
* If you do not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted by the manufacturer, you must demonstrate compliance as required by §60.4211(g)(1), (2), and (3) per §60.4211(g).
* Any required compliance testing shall be performed according to the methods and procedures of §60.4212.
* The owner or operator shall record the run time each time the unit is operated. The log shall indicate the purpose of the operation, ie. maintenance check, readiness testing or emergency use per §60.4214
* The owner or operator shall comply with the applicable notification, reporting, and recordkeeping requirements of §60.4214.

NOTE: The absence of the inclusion of any NSPS requirements as part of this permit does not relieve the owner or operator from any obligation to comply with all applicable NSPS conditions.

Authority for Requirement: 40 CFR Part 60 Subpart IIII
567 IAC 23.1(2)"yyy"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-16 (n)(77)
Polk County AQD Construction Permit 3272 Modified

NESHAP Requirements:
* The owner or operator shall comply with all applicable requirements of 40 CFR 63 subpart ZZZZ -National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.
* Per §63.6590(c) the facility satisfies all requirements of this subpart by complying with 40 CFR 60 subpart IIII.

NOTE: The absence of the inclusion of any NESHAP requirements as part of this permit does not relieve the owner or operator from any obligation to comply with all applicable NESHAP conditions.

Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ

567 IAC 23.1(4)"cz"
Polk County Board of Health Rules and Regulations Chapter V, Article VIII, Section 5-20 (zzzz)
Polk County Construction Permit Number 3272 Modified

Additional Requirements

Operating Limits:

A. The stationary internal combustion engines at the facility are limited to combusting diesel fuel oil that meets the requirements of Condition G, (*below).*

B. The stationary internal combustion engines at the facility are limited to combusting a maximum of 1,493,720 gallons of diesel fuel per rolling 12-month period, rolled monthly.

C. No single stationary internal combustion engine at the facility may exceed 500 hours of total operation in any 12-month period, rolled monthly.

D. For seven days per calendar year, the facility may operate all stationary internal combustion engines at the facility for any amount of time provided that the annual fuel usage limit from Condition B, *(above),* and the restrictions for an emergency engine from Condition F, (*below),* are complied with. These seven days are defined as "unrestricted days" for the purpose of the air dispersion modeling that was conducted for Polk County AQD construction permit 3272 Modified. An "unrestricted day' shall begin and end at midnight.

E. On a day that is not an "unrestricted day", the stationary internal combustion engines at the facility are limited to combusting a maximum of 31,104 gallons of diesel fuel per calendar day total. A "calendar day" is defined as the twenty-four (24) hour period that begins at 12:00 AM (CST) and ends at 11:59 PM (CST).

F. This engine is limited to operate as an emergency stationary internal combustion engine as defined in §60.4219 and in accordance with §60.4211. There is no limit on the use of the engine in emergency situations provided that the requested fuel usage limit established in Condition B, *(above),* and hour restriction of Condition C, *(above),* is not exceeded.

i. In accordance with §60.4211, the engine is limited to a maximum of 100 hours per calendar year for maintenance checks and readiness testing.

ii. The engine is allowed to operate up to 50 hours per calendar year in non-emergency situations, but the 50 hours are counted toward the 100 hours provided for maintenance and testing. The 50 hours per calendar year for non-emergency operation cannot be used to generate income for the facility to supply power to the electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity. This engine is not allowed to operate as a peak shaving unit.

G. In accordance with §60.4207(b), the diesel fuel oil combusted in this engine shall meet the following specifications from 40 CFR 1090.305(b)&(c) for nonroad diesel fuel:

i. a maximum sulfur content of 15 ppm (0.0015%) by weight; and

ii. a minimum cetane index of 40 or a maximum aromatic content of 35 percent by volume.

H. In accordance with §60.4209(a), the engine shall be equipped with a non-resettable hour meter.

I. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in §60.4211(g).

J. In accordance with §60.4211(a), this engine shall be operated and maintained in accordance with the manufacturer's emission-related written instructions. The owner or operator may only change emission-related engine settings that are permitted by the manufacturer.

Recordkeeping Requirements:

1. The owner or operator shall record the date, time and run time each time the unit is operated. The log shall indicate the purpose of the operation, ie. maintenance check, readiness testing or emergency use per §60.4214.

2. The owner or operator shall maintain the following daily records for each emission unit:

i) the number of engine-hours that the engine operated.

ii) the total number of engine-hours that all stationary internal combustion engines at the facility operated.

iii) whether the day is an "unrestricted day" or not an "unrestricted day" in accordance with condition *D* above.

3. The owner or operator shall maintain the following monthly records for each emission unit:

i) the number of hours that the engine is operated for maintenance checks and readiness testing.

ii) the number of hours that the engine is operated for allowed non-emergency operations.

iii) the total number of hours that the engine is operated.

iv) the total amount of fuel oil (in gallons) combusted for all stationary internal combustion engines.

v) each of the above records shall include the rolling 12-month total of hours for each category of operation (i.e. maintenance and readiness testing, non-emergency use, total hours of operation, total amount of fuel oil combusted).

4. The owner or operator shall maintain the following annual records for each emission unit on a calendar year basis:

i) the number of hours that the engine operated for maintenance checks and readiness testing.

ii) the number of hours that the engine operated for allowed non-emergency operations

iii) the total number of "emergency days" that the facility had.

iv) the total amount of fuel oil combusted for all stationary internal combustion engines.

5. The owner or operator shall comply with the requirement of *G*. listed above by one of the following methods:

i) have the fuel supplier certify that the fuel delivered meets the definition of non-road diesel fuel as defined in 40 CFR 1090.305(b)&(c);
ii) obtain a fuel analysis from the supplier showing the sulfur content and cetane index or aromatic content of the fuel delivered, or
iii) perform an analysis of the fuel to determine the sulfur content and cetane index or aromatic content of the fuel received.

6. All records shall be kept on site for a minimum period of five years and be made available to Polk County Air Quality personnel upon request.

Authority for Requirement: 40 CFR Part 60 Subpart IIII
567 IAC 23.1(2)"yyy"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-16 (n)(77)
Polk County AQD Construction Permit 3272 Modified

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (from the ground): 13.1'
Stack Opening: 9.8", Circular
Exhaust Flow Rate: 3,200 scfm
Exhaust Temperature: 890°F
Discharge Style: Vertical, unobstructed
Authority for Requirement: Polk County AQD Construction Permit 3272 Modified

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Visible Emissions (VE) shall be observed during testing and maintenance periods to ensure none occur during steady state conditions of the unit. No visible emissions are expected from this emission point under steady state conditions. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than the next scheduled maintenance or testing operation. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity greater than or equal to 20 % is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than the next scheduled maintenance or testing operation. If weather conditions prevent the observer from conducting a VE observation, the observer shall note such conditions on the data observation sheet. A VE observation shall be made during the next testing and maintenance period where weather permits.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Compliance Assurance Monitoring (CAM) Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Numbers: GROUP OF IDENTICAL PERMITS PR-000338-2019 (See table below.)

Emission Point ID	Emission Unit ID	Emission Unit Description	Polk County AQD Permit Number
ATN1-EG1	ATN1-EG1	3,000 kW Emergency Generator	3076
ATN1-EG2	ATN1-EG2	3,000 kW Emergency Generator	3077
ATN1-EG3	ATN1-EG3	3,000 kW Emergency Generator	3078
ATN1-EG4	ATN1-EG4	3,000 kW Emergency Generator	3079
ATN1-EG1R	ATN1-EG1R	3,000 kW Emergency Generator	3080
ATN1-EG5	ATN1-EG5	3,000 kW Emergency Generator	3081
ATN1-EG6	ATN1-EG6	3,000 kW Emergency Generator	3082
ATN1-EG7	ATN1-EG7	3,000 kW Emergency Generator	3083
ATN1-EG2R	ATN1-EG2R	3,000 kW Emergency Generator	3084
ATN1-EG8	ATN1-EG8	3,000 kW Emergency Generator	3085
ATN1-EG9	ATN1-EG9	3,000 kW Emergency Generator	3086
ATN1-EG10	ATN1-EG10	3,000 kW Emergency Generator	3087
ATN1-EG11	ATN1-EG11	3,000 kW Emergency Generator	3088
ATN1-EG12	ATN1-EG12	3,000 kW Emergency Generator	3089
ATN1-EG13	ATN1-EG13	3,000 kW Emergency Generator	3090
ATN1-EG14	ATN1-EG14	3,000 kW Emergency Generator	3091
ATN2-EG1	ATN2-EG1	3,000 kW Emergency Generator	3092
ATN2-EG2	ATN2-EG2	3,000 kW Emergency Generator	3093
ATN2-EG3	ATN2-EG3	3,000 kW Emergency Generator	3094
ATN2-EG1R	ATN2-EG1R	3,000 kW Emergency Generator	3095
ATN2-EG5	ATN2-EG5	3,000 kW Emergency Generator	3096
ATN2-EG6	ATN2-EG6	3,000 kW Emergency Generator	3097

Emission Point ID	Emission Unit ID	Emission Unit Description	Polk County AQD Permit Number
ATN2-EG7	ATN2-EG7	3,000 kW Emergency Generator	3098
ATN2-EG8	ATN2-EG8	3,000 kW Emergency Generator	3099
ATN2-EG9	ATN2-EG9	3,000 kW Emergency Generator	3100
ATN2-EG10	ATN2-EG10	3,000 kW Emergency Generator	3101
ATN2-EG2R	ATN2-EG2R	3,000 kW Emergency Generator	3102
ATN2-EG12	ATN2-EG12	3,000 kW Emergency Generator	3103
ATN2-EG13	ATN2-EG13	3,000 kW Emergency Generator	3104
ATN2-EG14	ATN2-EG14	3,000 kW Emergency Generator	3105
ATN3-EG1	ATN3-EG1	3,000 kW Emergency Generator	3106
ATN3-EG2	ATN3-EG2	3,000 kW Emergency Generator	3107
ATN3-EG3	ATN3-EG3	3,000 kW Emergency Generator	3108
ATN3-EG1R	ATN3-EG1R	3,000 kW Emergency Generator	3109
ATN3-EG5	ATN3-EG5	3,000 kW Emergency Generator	3110
ATN3-EG6	ATN3-EG6	3,000 kW Emergency Generator	3111
ATN3-EG7	ATN3-EG7	3,000 kW Emergency Generator	3112
ATN3-EG8	ATN3-EG8	3,000 kW Emergency Generator	3113
ATN3-EG9	ATN3-EG9	3,000 kW Emergency Generator	3114
ATN3-EG10	ATN3-EG10	3,000 kW Emergency Generator	3115
ATN3-EG2R	ATN3-EG2R	3,000 kW Emergency Generator	3116
ATN3-EG12	ATN3-EG12	3,000 kW Emergency Generator	3117
ATN3-EG13	ATN3-EG13	3,000 kW Emergency Generator	3118
ATN3-EG14	ATN3-EG14	3,000 kW Emergency Generator	3119
ATN3-EGN1	ATN3-EGN1	3,000 kW Emergency Generator	3273
ATN3-EGN2	ATN3-EGN2	3,000 kW Emergency Generator	3274
ATN3-EGN3	ATN3-EGN3	3,000 kW Emergency Generator	3275

Emission Point ID	Emission Unit ID	Emission Unit Description	Polk County AQD Permit Number
ATN3-EGN4	ATN3-EGN4	3,000 kW Emergency Generator	3276
ATN5-EG1	ATN5-EG1	3,000 kW Emergency Generator	3120
ATN5-EG2	ATN5-EG2	3,000 kW Emergency Generator	3121
ATN5-EG3	ATN5-EG3	3,000 kW Emergency Generator	3122
ATN5-EG1R	ATN5-EG1R	3,000 kW Emergency Generator	3123
ATN5-EG5	ATN5-EG5	3,000 kW Emergency Generator	3124
ATN5-EG6	ATN5-EG6	3,000 kW Emergency Generator	3125
ATN5-EG7	ATN5-EG7	3,000 kW Emergency Generator	3126
ATN5-EG8	ATN5-EG8	3,000 kW Emergency Generator	3127
ATN5-EG9	ATN5-EG9	3,000 kW Emergency Generator	3128
ATN5-EG10	ATN5-EG10	3,000 kW Emergency Generator	3129
ATN5-EG2R	ATN5-EG2R	3,000 kW Emergency Generator	3130
ATN5-EG12	ATN5-EG12	3,000 kW Emergency Generator	3131
ATN5-EG13	ATN5-EG13	3,000 kW Emergency Generator	3132
ATN5-EG14	ATN5-EG14	3,000 kW Emergency Generator	3133
ATN5-EGN1 (3.1MW)	ATN5-EGN1 (3.1MW)	3,100 kW Emergency Generator	3565
ATN5-EGN2 (3.1MW)	ATN5-EGN2 (3.1MW)	3,100 kW Emergency Generator	3566
ATN5-EGN3 (3.1MW)	ATN5-EGN3 (3.1MW)	3,100 kW Emergency Generator	3567
ATN5-EGN4 (3.1MW)	ATN5-EGN4 (3.1MW)	3,100 kW Emergency Generator	3568
ATN6-EG1	ATN6-EG1	3,000 kW Emergency Generator	3134
ATN6-EG2	ATN6-EG2	3,000 kW Emergency Generator	3135
ATN6-EG3	ATN6-EG3	3,000 kW Emergency Generator	3136
ATN6-EG1R	ATN6-EG1R	3,000 kW Emergency Generator	3137
ATN6-EG5	ATN6-EG5	3,000 kW Emergency Generator	3138
ATN6-EG6	ATN6-EG6	3,000 kW Emergency Generator	3139
ATN6-EG7	ATN6-EG7	3,000 kW Emergency Generator	3140

Emission Point ID	Emission Unit ID	Emission Unit Description	Polk County AQD Permit Number
ATN6-EG8	ATN6-EG8	3,000 kW Emergency Generator	3141
ATN6-EG9	ATN6-EG9	3,000 kW Emergency Generator	3142
ATN6-EG10	ATN6-EG10	3,000 kW Emergency Generator	3143
ATN6-EG2R	ATN6-EG2R	3,000 kW Emergency Generator	3144
ATN6-EG12	ATN6-EG12	3,000 kW Emergency Generator	3145
ATN6-EG13	ATN6-EG13	3,000 kW Emergency Generator	3146
ATN6-EG14	ATN6-EG14	3,000 kW Emergency Generator	3147
ATN6-EGN1	ATN6-EGN1	3,000 kW Emergency Generator	3246
ATN6-EGN2	ATN6-EGN2	3,000 kW Emergency Generator	3247
ATN6-EGN3	ATN6-EGN3	3,000 kW Emergency Generator	3248
ATN6-EGN4	ATN6-EGN4	3,000 kW Emergency Generator	3249

Emission Units' Description: Caterpillar Model C175-16 diesel fired emergency generator
Raw Material/Fuel: Diesel Fuel
Rated Capacity: 3,000 kW (each), (214.2 gal/hr) (each);
3,100 kW (each), (210.7 gal/hr) (each)

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from each emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: <20% (1)
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article IV, Section 5-9
Polk County AQD Group Of Identical Permits PR-000338-2019

(1) An exceedance of the opacity limit will require the owner or operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the Polk County AQD may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutants: $PM_{2.5}$
Emission Limits: 0.61 lbs./hr, 0.15 tons/year
Authority for Requirement: Polk County AQD Group Of Identical Permits PR-000338-2019

Pollutants: PM_{10}
Emission Limits: 0.61 lbs./hr, 0.15 tons/year
Authority for Requirement: Polk County AQD Group Of Identical Permits PR-000338-2019

Pollutant: Particulate Matter
Emission Limits: 0.61 lbs./hr, 0.15 tons/year, and 0.10 gr/dscf
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)
Polk County AQD Group Of Identical Permits PR-000338-2019

Pollutant: Sulfur Dioxide (SO_2)
Emission Limits: 0.04 lbs./hr, 0.01 tons/year, and 0.5 lb/MMBtu
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article IX, Section 5-27
Polk County AQD Group Of Identical Permits PR-000338-2019

Pollutant: Nitrogen Oxides (NOx)
Emission Limits: 70.99 lbs./hr, 17.75 tons/year
Authority for Requirement: Polk County AQD Group Of Identical Permits PR-000338-2019

Pollutant: Volatile Organic Compound (VOC)
Emission Limits: 2.87 lbs./hr, 0.72 tons/year
Authority for Requirement: Polk County AQD Group Of Identical Permits PR-000338-2019

Pollutant: Carbon Monoxide (CO)
Emission Limits: 14.31 lbs./hr, 3.58 tons/year
Authority for Requirement: Polk County AQD Group Of Identical Permits PR-000338-2019

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS/NESHAP applicability:

This facility is subject to 40 CFR 60 Subpart IIII-Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.

This facility is subject to 40 CFR 63 Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

NSPS Requirements:

*The owner or operator shall comply with all applicable requirements of 40 CFR 60 subpart IIII-Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.
*§60.4205(b) must comply with emission standards for new engines in §60.4202
*§60.4202(b)(2) provide certification that it will comply with standards in 40 CFR 1039, Appendix I, as applicable, for all pollutants.

The emission standards that each engine must be certified by the manufacturer to meet are:

Pollutant	Emission Standard	Regulatory Basis
Particulate Matter (PM)	0.20 grams/kW-hr	Appendix I to §1039 Table 2
NMHC+NOx	6.4 grams/kW-hr	Appendix I to §1039 Table 2
Carbon Monoxide (CO)	3.5 grams/kW-hr	Appendix I to §1039 Table 2
Opacity –acceleration mode	20%	§1039.105(b)(1)
Opacity-lugging mode	15%	§1039.105(b)(2)
Opacity-peaks in acceleration or lugging mode	50%	§1039.105(b)(3)

* §60.4206 owners and operators must operate and maintain each stationary CI ICE that achieve the emission standards as required in §§60.4204 and 60.4205 over the entire life of the engine.
* The owner or operator must use fuel that meets requirements of §60.4207.
*The owner or operator shall meet the applicable monitoring requirements of §60.4209.
*The owner or operator shall meet the applicable monitoring requirements of §60.4211.
*The owner or operator shall operate and maintain the stationary CI internal combustion engines and control devices according to the manufacturer's emission related written instructions per §60.4211(a)(1).
*The owner or operator shall change only those emission-related settings that are permitted by the manufacturer per §60.4211(a)(2).
*The owner or operator shall meet the requirements of 40 CFR part 1068 as they apply to you per §60.4211(a)(3).

*The owner or operator shall comply with the emission standards by purchasing an engine certified to the emission standards in §60.4204(b), or §60.4205(b) or (c), as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in paragraph (g) of this section per §60.4211(c).
* If you do not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted by the manufacturer, you must demonstrate compliance as required by §60.4211(g)(1), (2), and (3) per §60.4211(g).
* Any required compliance testing shall be performed according to the methods and procedures of §60.4212.
* The owner or operator shall record the run time each time the unit is operated. The log shall indicate the purpose of the operation, ie. maintenance check, readiness testing or emergency use per §60.421.
* The owner or operator shall comply with the applicable notification, reporting, and recordkeeping requirements of §60.4214.

NOTE: The absence of the inclusion of any NSPS requirements as part of this permit does not relieve the owner or operator from any obligation to comply with all applicable NSPS conditions.

Authority for Requirement: 40 CFR Part 60 Subpart IIII
567 IAC 23.1(2)"yyy"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-16 (n)(77)
Polk County AQD Group Of Identical Permits PR-000338-2019

NESHAP Requirements:

* The owner or operator shall comply with all applicable requirements of 40 CFR 63 subpart ZZZZ -National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

* Per §63.6590(c) the facility satisfies all requirements of this subpart by complying with 40 CFR 60 subpart IIII.

NOTE: The absence of the inclusion of any NESHAP requirements as part of this permit does not relieve the owner or operator from any obligation to comply with all applicable NESHAP conditions.

Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ
567 IAC 23.1(4)"cz"
Polk County Board of Health Rules and Regulations Chapter V, Article VIII, Section 5-20 (zzzz)
Polk County AQD Group Of Identical Permits PR-000338-2019

Additional Requirements

Operating Limits:

A. The stationary internal combustion engines at the facility are limited to combusting diesel fuel oil that meets the requirements of Condition *G (below).*

B. The stationary internal combustion engines at the facility are limited to combusting a maximum of 1,493,720 gallons of diesel fuel per rolling 12-month period, rolled monthly.

C. No single stationary internal combustion engine at the facility may exceed 500 hours of total operation in any 12-month period, rolled monthly.

D. For seven days per calendar year, the facility may operate all stationary internal combustion engines at the facility for any amount of time provided that the annual fuel usage limit from Condition *B (above)*. and the restrictions for an emergency engine from Condition F *(below)* are complied with. These seven days are defined as "unrestricted days" for the purpose of the air dispersion modeling that was conducted for permit PR-000338-2019. An "unrestricted day' shall begin and end at midnight.

E. On a day that is not an "unrestricted day", the stationary internal combustion engines at the facility are limited to combusting a maximum of 31,104 gallons of diesel fuel per calendar day total. A "calendar day" is defined as the twenty-four (24) hour period that begins at 12:00 AM (CST) and ends at 11:59 PM (CST).

F. This engine is limited to operate as an emergency stationary internal combustion engine as defined in §60.4219 and in accordance with §60.4211. There is no limit on the use of the engine in emergency situations provided that the requested fuel usage limit established in Condition *B (above).* and hour restriction of Condition *C (above)*. is not exceeded.

i. In accordance with §60.4211, the engine is limited to a maximum of 100 hours per calendar year for maintenance checks and readiness testing.

ii. The engine is allowed to operate up to 50 hours per calendar year in non-emergency situations, but the 50 hours are counted toward the 100 hours provided for maintenance and testing. The 50 hours per calendar year for non-emergency operation cannot be used to generate income for the facility to supply power to the electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity. This engine is not allowed to operate as a peak shaving unit.

G. In accordance with §60.4207(b), the diesel fuel oil combusted in this engine shall meet the following specifications from 40 CFR 1090.305(b)&(c) for nonroad diesel fuel:

i. a maximum sulfur content of 15 ppm (0.0015%) by weight; and

ii. a minimum cetane index of 40 or a maximum aromatic content of 35 percent by volume.

H. In accordance with §60.4209(a), the engine shall be equipped with a non-resettable hour meter.

I. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in §60.4211(g).

J. In accordance with §60.4211(a), this engine shall be operated and maintained in accordance with the manufacturer's emission-related written instructions. The owner or operator may only change emission-related engine settings that are permitted by the manufacturer.

Recordkeeping Requirements:

1. The owner or operator shall record the date, time and run time each time the unit is operated. The log shall indicate the purpose of the operation, ie. maintenance check, readiness testing or emergency use per §60.4214.

2. The owner or operator shall maintain the following daily records for each emission unit:

i) the number of engine-hours that the engine operated.

ii) the total number of engine-hours that all stationary internal combustion engines at the facility operated.

iii) whether the day is an "unrestricted day" or not an "unrestricted day" in accordance with Condition *D* above.

3. The owner or operator shall maintain the following monthly records for each emission unit:

i) the number of hours that the engine is operated for maintenance checks and readiness testing.

ii) the number of hours that the engine is operated for allowed non-emergency operations.

iii) the total number of hours that the engine is operated.

iv) the total amount of fuel oil (in gallons) combusted for all stationary internal combustion engines.

v) each of the above records shall include the rolling 12-month total of hours for each category of operation (i.e. maintenance and readiness testing, non-emergency use, total hours of operation, total amount of fuel oil combusted).

4. The owner or operator shall maintain the following annual records for each emission unit on a calendar year basis:

i) the number of hours that the engine operated for maintenance checks and readiness testing.

ii) the number of hours that the engine operated for allowed non-emergency operations

iii) the total number of "emergency days" that the facility had.

iv) the total amount of fuel oil combusted for all stationary internal combustion engines.

5. The owner or operator shall comply with the requirement of Condition *G (above)*. listed above by one of the following methods:

i) have the fuel supplier certify that the fuel delivered meets the definition of non-road diesel fuel as defined in 40 CFR 1090.305(b)&(c);

ii) obtain a fuel analysis from the supplier showing the sulfur content and cetane index or aromatic content of the fuel delivered, or

iii) perform an analysis of the fuel to determine the sulfur content and cetane index or aromatic content of the fuel received.

6. The owner or operator shall record the date that commissioning has been completed for each emission unit: ATN5-EGN1 (3.1MW), ATN5-EGN2 (3.1MW), ATN5-EGN3 (3.1MW), ATN5-EGN4 (3.1MW).

7. All records shall be kept on site for a minimum period of five years and be made available to Polk County Air Quality personnel upon request.

Authority for Requirement: 40 CFR Part 60 Subpart IIII
567 IAC 23.1(2)"yyy"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-16 (n)(77)
Polk County AQD Group Of Identical Permits PR-000338-2019

Emission Point Characteristics

The emission points of this emission group (PR-000338-2019) shall conform to the specifications listed below.

Emission Points ATN5-EG7; ATN6-EGN1 through EGN4; ATN6-EG8:
Stack Height, (from the ground): 30'
Stack Opening: 20", Circular
Exhaust Flow Rate: 9,607 scfm
Exhaust Temperature: 895°F
Discharge Style: Vertical, unobstructed
Authority for Requirement: Polk County AQD Group Of Identical Permits PR-000338-2019

Emission Points ATN5-EGN1 (3.1MW) through ATN5-EGN4 (3.1 MW):
Stack Height, (from the ground): 30'
Stack Opening: 22", Circular
Exhaust Flow Rate: 9,520 scfm
Exhaust Temperature: 893°F
Discharge Style: Vertical, unobstructed
Authority for Requirement: Polk County AQD Group Of Identical Permits PR-000338-2019

Emission Points ATN1-EG1 through ATN1-EG4; ATN1-EG5 through ATN1-EG14; ATN1-EG1R; ATN1-EG2R; ATN2-EG1 through ATN2-EG3; ATN2-EG5 through ATN2-EG10; ATN2-EG12 through ATN2-EG14; ATN2-EG1R; ATN2-EG2R:
Stack Height, (from the ground): 18.6'
Stack Opening: 22", Circular
Exhaust Flow Rate: 10,050 scfm
Exhaust Temperature: 892°F
Discharge Style: Vertical, unobstructed
Authority for Requirement: Polk County AQD Group Of Identical Permits PR-000338-2019

All other Emission Points in the *(PR-000338-2019)* emission group:
Stack Height, (from the ground): 19'
Stack Opening: 20", Circular
Exhaust Flow Rate: 10,050 scfm
Exhaust Temperature: 892°F
Discharge Style: Vertical, unobstructed
Authority for Requirement: Polk County AQD Group Of Identical Permits PR-000338-2019

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission points. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Visible Emissions (VE) shall be observed during testing and maintenance periods to ensure none occur during steady state conditions of the units. No visible emissions are expected from these emission points under steady state conditions. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than the next scheduled maintenance or testing operation. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity greater than or equal to 20 % is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than the next scheduled maintenance or testing operation. If weather conditions prevent the observer from conducting a VE observation, the observer shall note such conditions on the data observation sheet. A VE observation shall be made during the next testing and maintenance period where weather permits.

Stack Testing:
If testing is required, the owner or the owner's authorized agent shall use the test method and run time accordance with the table below unless Polk County AQD approves another testing methodology prior to testing. The owner or the owner's authorized agent shall verify compliance with the emission limits within sixty (60) days after achieving maximum production rate or no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

The following initial compliance tests shall be conducted by the owner.

Compliance Demonstration(s):

Pollutant	Run Time	Testing Required	Test Method
Particulate Matter (PM_{10})	1 hour	☒ Yes ☐ No	40 CFR 51, Appendix M, 201A with 202
Particulate Matter ($PM_{2.5}$)	1 hour	☒ Yes ☐ No	40 CFR 51, Appendix M, 201A with 202
Opacity	1 hour	☒ Yes ☐ No	40 CFR 60, Appendix A, Method 9
Nitrogen Oxides (NO_x)	1 hour	☒ Yes ☐ No	40 CFR 60, Appendix A, Method 7E

The owner or operator shall test (1) generator from Emission Units: ATN5-EGN1 (3.1MW), ATN5-EGN2 (3.1MW), ATN5-EGN3 (3.1MW), ATN5-EGN4 (3.1MW). The generator emission point shall be tested for NOx, PM_{10}, and $PM_{2.5}$. The results of the tests shall be considered representative for the 3.1 MW generators. The emission point shall be tested in order to show compliance with the hourly limits stated on page 30 of this permit. The owner or operator is allowed to test total particulate (PM – State) and assume it is all PM_{10} and $PM_{2.5}$. If the owner elects to do this the test protocol shall clearly state this as the proposed methodology.

Authority for Requirement: Polk County AQD Group Of Identical Permits PR-000338-2019

The owner of this equipment or the owner's authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the test shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Compliance Assurance Monitoring (CAM) Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Numbers: GROUP OF IDENTICAL PERMITS PR-000443-2020 (See table below.)

Emission Point ID	Emission Unit ID	Emission Unit Description	Polk County AQD Permit Number
PCI1-EGRA	PCI1-EGRA	3,000 kW Cummins Emergency Generator	3462
PCI1-EGRB	PCI1-EGRB	3,000 kW Cummins Emergency Generator	3463
PCI1-EGRC	PCI1-EGRC	3,000 kW Cummins Emergency Generator	3464
PCI1-EGN1	PCI1-EGN1	3,000 kW Cummins Emergency Generator	3465
PCI1-EGN2	PCI1-EGN2	3,000 kW Cummins Emergency Generator	3466
PCI1-EGN3	PCI1-EGN3	3,000 kW Cummins Emergency Generator	3467
PCI1-EGN4	PCI1-EGN4	3,000 kW Cummins Emergency Generator	3468
PCI2-EGN1	PCI2-EGN1	3,000 kW Cummins Emergency Generator	3471
PCI2-EGN2	PCI2-EGN2	3,000 kW Cummins Emergency Generator	3472
PCI2-EGN3	PCI2-EGN3	3,000 kW Cummins Emergency Generator	3473
PCI2-EGN4	PCI2-EGN4	3,000 kW Cummins Emergency Generator	3474
PCI3-EGN1	PCI3-EGN1	3,000 kW Cummins Emergency Generator	3569
PCI3-EGN2	PCI3-EGN2	3,000 kW Cummins Emergency Generator	3570
PCI3-EGN3	PCI3-EGN3	3,000 kW Cummins Emergency Generator	3571
PCI3-EGN4	PCI3-EGN4	3,000 kW Cummins Emergency Generator	3572
PCI4-EGES	PCI4-EGES	3,000 kW Cummins Emergency Generator	3573
PCI5-EGN1	PCI5-EGN1	3,000 kW Cummins Emergency Generator	3574
PCI5-EGN2	PCI5-EGN2	3,000 kW Cummins Emergency Generator	3575
PCI5-EGN3	PCI5-EGN3	3,000 kW Cummins Emergency Generator	3576
PCI5-EGN4	PCI5-EGN4	3,000 kW Cummins Emergency Generator	3577
PCI6-EGN1	PCI6-EGN1	3,000 kW Cummins Emergency Generator	3578
PCI6-EGN2	PCI6-EGN2	3,000 kW Cummins Emergency Generator	3579

Emission Point ID	Emission Unit ID	Emission Unit Description	Polk County AQD Permit Number
PCI6-EGN3	PCI6-EGN3	3,000 kW Cummins Emergency Generator	3580
PCI6-EGN4	PCI6-EGN4	3,000 kW Cummins Emergency Generator	3581

Emission Units' Description: Cummins Emergency Generator
Raw Material/Fuel: Diesel Fuel
Rated Capacity: 3,000 kW (each), (216 gal/hr) (each);

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from each emission point shall not exceed the levels specified below.

Emission points PCI1-EGRA, PCI1-EGRB, PCI1-EGRC and PCI4-EGES:
Pollutant: Opacity
Emission Limit: <20% (1)
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article IV, Section 5-9
Polk County AQD Group Of Identical Permits PR-000443-2020

(1) An exceedance of the opacity limit will require the owner or operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the Polk County AQD may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutants: $PM_{2.5}$
Emission Limits: 0.99 lbs./hr, 0.25 tons/year
Authority for Requirement: Polk County AQD Group Of Identical Permits PR-000443-2020

Pollutants: PM_{10}
Emission Limits: 0.99 lbs./hr, 0.25 tons/year
Authority for Requirement: Polk County AQD Group Of Identical Permits PR-000443-2020

Pollutant: Particulate Matter
Emission Limits: 0.99 lbs./hr, 0.25 tons/year, and 0.10 gr/dscf
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)
Polk County AQD Group Of Identical Permits PR-000443-2020

Pollutant: Sulfur Dioxide (SO_2)
Emission Limits: 0.04 lbs./hr, 0.01 tons/year, and 0.5 lb/MMBtu
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article IX, Section 5-27
Polk County AQD Group Of Identical Permits PR-000443-2020

Pollutant: Nitrogen Oxides (NOx)
Emission Limits: 55.38 lbs./hr, 13.84 tons/year
Authority for Requirement: Polk County AQD Group Of Identical Permits PR-000443-2020

Pollutant: Volatile Organic Compound (VOC)
Emission Limits: 1.98 lbs./hr, 0.50 tons/year
Authority for Requirement: Polk County AQD Group Of Identical Permits PR-000443-2020

Pollutant: Carbon Monoxide (CO)
Emission Limits: 4.80 lbs./hr, 1.20 tons/year
Authority for Requirement: Polk County AQD Group Of Identical Permits PR-000443-2020

All other Emission Points in the PR-000443-2020 emission group:
Pollutant: Opacity
Emission Limit: <20% (1)
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article IV, Section 5-9
Polk County AQD Group Of Identical Permits PR-000443-2020

(1) An exceedance of the opacity limit will require the owner or operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the Polk County AQD may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutants: $PM_{2.5}$
Emission Limits: 1.04 lbs./hr, 0.26 tons/year
Authority for Requirement: Polk County AQD Group Of Identical Permits PR-000443-2020

Pollutants: PM_{10}
Emission Limits: 1.04 lbs./hr, 0.26 tons/year
Authority for Requirement: Polk County AQD Group Of Identical Permits PR-000443-2020

Pollutant: Particulate Matter
Emission Limits: 1.04 lbs./hr, 0.26 tons/year, and 0.10 gr/dscf
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)
Polk County AQD Group Of Identical Permits PR-000443-2020

Pollutant: Sulfur Dioxide (SO_2)
Emission Limits: 0.04 lbs./hr, 0.01 tons/year, and 0.5 lb/MMBtu
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article IX, Section 5-27
Polk County AQD Group Of Identical Permits PR-000443-2020

Pollutant: Nitrogen Oxides (NOx)
Emission Limits: 55.38 lbs./hr, 13.84 tons/year
Authority for Requirement: Polk County AQD Group Of Identical Permits PR-000443-2020

Pollutant: Volatile Organic Compound (VOC)
Emission Limits: 1.98 lbs./hr, 0.50 tons/year
Authority for Requirement: Polk County AQD Group Of Identical Permits PR-000443-2020

Pollutant: Carbon Monoxide (CO)
Emission Limits: 4.80 lbs./hr, 1.20 tons/year
Authority for Requirement: Polk County AQD Group Of Identical Permits PR-000443-2020

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS/NESHAP applicability:

This facility is subject to 40 CFR 60 Subpart IIII-Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. This facility is subject to 40 CFR 63 Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

NSPS Requirements:
*The owner or operator shall comply with all applicable requirements of 40 CFR 60 subpart IIII-Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.
*§60.4205(b) must comply with emission standards for new engines in §60.4202.
*§60.4202(b)(2) provide certification that it will comply with standards in 40 CFR 1039, Appendix I, as applicable, for all pollutants.

The emission standards that the engine must be certified by the manufacturer to meet are:

Pollutant	Emission Standard	Regulatory Basis
Particulate Matter (PM)	0.20 grams/kW-hr	Appendix I to §1039 Table 2
NMHC+NOx	6.4 grams/kW-hr	Appendix I to §1039 Table 2
Carbon Monoxide (CO)	3.5 grams/kW-hr	Appendix I to §1039 Table 2
Opacity –acceleration mode	20%	§1039.105(b)(1)
Opacity-lugging mode	15%	§1039.105(b)(2)
Opacity-peaks in acceleration or lugging mode	50%	§1039.105(b)(3)

* §60.4206 owners and operators must operate and maintain stationary CI ICE that achieve the emission standards as required in §§60.4204 and 60.4205 over the entire life of the engine.
* The owner or operator must use fuel that meets requirements of §60.4207.
*The owner or operator shall meet the applicable monitoring requirements of §60.4209.
*The owner or operator shall meet the applicable monitoring requirements of §60.4211.
*The owner or operator shall operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission related written instructions per §60.4211(a)(1).

*The owner or operator shall change only those emission-related settings that are permitted by the manufacturer per §60.4211(a)(2).
*The owner or operator shall meet the requirements of 40 CFR part 1068 as they apply to you per §60.4211(a)(3).
*The owner or operator shall comply with the emission standards by purchasing an engine certified to the emission standards in §60.4204(b), or §60.4205(b) or (c), as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in paragraph (g) of this section per §60.4211(c).
* If you do not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted by the manufacturer, you must demonstrate compliance as required by §60.4211(g)(1), (2), and (3) per §60.4211(g).
* Any required compliance testing shall be performed according to the methods and procedures of §60.4212.
* The owner or operator shall record the run time each time the unit is operated. The log shall indicate the purpose of the operation, ie. maintenance check, readiness testing or emergency use per §60.4214.
* The owner or operator shall comply with the applicable notification, reporting, and recordkeeping requirements of §60.4214.

NOTE: The absence of the inclusion of any NSPS requirements as part of this permit does not relieve the owner or operator from any obligation to comply with all applicable NSPS conditions.

Authority for Requirement: 40 CFR Part 60 Subpart IIII
567 IAC 23.1(2)"yyy"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-16 (n)(77)
Polk County AQD Group Of Identical Permits PR-000443-2020

NESHAP Requirements:
* The owner or operator shall comply with all applicable requirements of 40 CFR 63 subpart ZZZZ -National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.
* Per §63.6590(c) the facility satisfies all requirements of this subpart by complying with 40 CFR 60 subpart IIII.

NOTE: The absence of the inclusion of any NESHAP requirements as part of this permit does not relieve the owner or operator from any obligation to comply with all applicable NESHAP conditions.

Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ
567 IAC 23.1(4)"cz"
Polk County Board of Health Rules and Regulations Chapter V, Article VIII, Section 5-20 (zzzz)
Polk County AQD Group Of Identical Permits PR-000443-2020

Additional Requirements

Operating Limits:

A. The stationary internal combustion engines at the facility are limited to combusting diesel fuel oil that meets the requirements of Condition *G., (below).*

B. The stationary internal combustion engines at the facility are limited to combusting a maximum of 1,493,720 gallons of diesel fuel per rolling 12-month period, rolled monthly.

C. No single stationary internal combustion engine at the facility may exceed 500 hours of total operation in any 12-month period, rolled monthly.

D. For seven days per calendar year, the facility may operate all stationary internal combustion engines at the facility for any amount of time provided that the annual fuel usage limit from Condition *B., (above),* and the restrictions for an emergency engine from Condition *F., (below),* are complied with. These seven days are defined as "unrestricted days" for the purpose of the air dispersion modeling that was conducted for Polk County AQD Group Of Identical Permits PR-000443-2020. An "unrestricted day' shall begin and end at midnight.

E. On a day that is not an "unrestricted day", the stationary internal combustion engines at the facility are limited to combusting a maximum of 31,104 gallons of diesel fuel per calendar day total. A "calendar day" is defined as the twenty-four (24) hour period that begins at 12:00 AM (CST) and ends at 11:59 PM (CST).

F. This engine is limited to operate as an emergency stationary internal combustion engine as defined in §60.4219 and in accordance with §60.4211. There is no limit on the use of the engine in emergency situations provided that the requested fuel usage limit established in Condition *B., (above),* and hour restriction of Condition *C., (above),* is not exceeded.

i. In accordance with §60.4211, the engine is limited to a maximum of 100 hours per calendar year for maintenance checks and readiness testing.

ii. The engine is allowed to operate up to 50 hours per calendar year in non-emergency situations, but the 50 hours are counted toward the 100 hours provided for maintenance and testing. The 50 hours per calendar year for non-emergency operation cannot be used to generate income for the facility to supply power to the electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity. This engine is not allowed to operate as a peak shaving unit.

G. In accordance with §60.4207(b), the diesel fuel oil combusted in this engine shall meet the following specifications from 40 CFR 1090.305(b)&(c) for nonroad diesel fuel:

i. a maximum sulfur content of 15 ppm (0.0015%) by weight; and

ii. a minimum cetane index of 40 or a maximum aromatic content of 35 percent by volume.

H. In accordance with §60.4209(a), the engine shall be equipped with a non-resettable hour meter.

I. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in §60.4211(g).

J. In accordance with §60.4211(a), this engine shall be operated and maintained in accordance with the manufacturer's emission-related written instructions. The owner or operator may only change emission-related engine settings that are permitted by the manufacturer.

Recordkeeping Requirements:

1. The owner or operator shall record the date, time and run time each time the unit is operated. The log shall indicate the purpose of the operation, i.e., maintenance check, readiness testing or emergency use per §60.4214.

2. The owner or operator shall maintain the following daily records for each emission unit:

i) the number of engine-hours that the engine operated.

ii) the total number of engine-hours that all stationary internal combustion engines at the facility operated.

iii) whether the day is an "unrestricted day" or not an "unrestricted day" in accordance with Condition *D (above)*.

3. The owner or operator shall maintain the following monthly records for each emission unit:

i) the number of hours that the engine is operated for maintenance checks and readiness testing.

ii) the number of hours that the engine is operated for allowed non-emergency operations.

iii) the total number of hours that the engine is operated.

iv) the total amount of fuel oil (in gallons) combusted for all stationary internal combustion engines.

v) each of the above records shall include the rolling 12-month total of hours for each category of operation (i.e. maintenance and readiness testing, non-emergency use, total hours of operation, total amount of fuel oil combusted).

4. The owner or operator shall maintain the following annual records for each emission unit on a calendar year basis:

i) the number of hours that the engine operated for maintenance checks and readiness testing.

ii) the number of hours that the engine operated for allowed non-emergency operations

iii) the total number of "emergency days" that the facility had.

iv) the total amount of fuel oil combusted for all stationary internal combustion engines.

5. The owner or operator shall comply with the requirement of Condition *G (above)*. listed above by one of the following methods:

i) have the fuel supplier certify that the fuel delivered meets the definition of non-road diesel fuel as defined in 40 CFR 1090.305(b)&(c);

ii) obtain a fuel analysis from the supplier showing the sulfur content and cetane index or aromatic content of the fuel delivered, or

iii) perform an analysis of the fuel to determine the sulfur content and cetane index or aromatic content of the fuel received.

6. All records shall be kept on site for a minimum period of five years and be made available to Polk County Air Quality personnel upon request.

Authority for Requirement: 40 CFR Part 60 Subpart IIII
567 IAC 23.1(2)"yyy"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-16 (n)(77)
Polk County AQD Group Of Identical Permits PR-000443-2020

Emission Point Characteristics

The emission points of this emission group (PR-000443-2020) shall conform to the specifications listed below.

Emission Points PCI1-EGRA, PCI1-EGRB, PCI1-EGRC & PCI4-EGES:
Stack Height, (from the ground): 23'
Stack Opening: 22", Circular
Exhaust Flow Rate: 10,100 scfm
Exhaust Temperature: 883°F
Discharge Style: Vertical, unobstructed
Authority for Requirement: Polk County AQD Group Of Identical Permits PR-000443-2020

All other Emission Points in the *(PR-000443-2020)* emission group:
Stack Height, (from the ground): 30'
Stack Opening: 22", Circular
Exhaust Flow Rate: 10,100 scfm
Exhaust Temperature: 883°F
Discharge Style: Vertical, unobstructed
Authority for Requirement: Polk County AQD Group Of Identical Permits PR-000443-2020

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission points. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Visible Emissions (VE) shall be observed during testing and maintenance periods to ensure none occur during steady state conditions of each unit. No visible emissions are expected from these emission points under steady state conditions. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than the next scheduled maintenance or testing operation. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity greater than or equal to 20 % is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than the next scheduled maintenance or testing operation. If weather conditions prevent the observer from conducting a VE observation, the observer shall note such conditions on the data observation sheet. A VE observation shall be made during the next testing and maintenance period where weather permits.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Compliance Assurance Monitoring (CAM) Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: PCI1-EGA1

Emission Unit vented through this Emission Point: PCI1-EGA1
Emission Unit Description: Cummins Model QST30-G5 NR2 Diesel Fired Emergency Generator
Raw Material/Fuel: Diesel Fuel
Rated Capacity: 1,000 kW; 72.2 gal/hr.

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: <20 %(1)
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article IV, Section 5-9
Polk County AQD Construction Permit 3475

(1) An exceedance of the opacity limit will require the owner or operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the Polk County AQD may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: $PM_{2.5}$
Emission Limits: 0.97 lbs./hr, 0.24 tons/year
Authority for Requirement: Polk County AQD Construction Permit 3475

Pollutant: PM_{10}
Emission Limits: 0.97 lbs./hr, 0.24 tons/year
Authority for Requirement: Polk County AQD Construction Permit 3475

Pollutant: Particulate Matter
Emission Limits: 0.97 lbs./hr, 0.24 tons/year, and 0.10 gr/dscf
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)
Polk County AQD Construction Permit 3475

Pollutant: Sulfur Dioxide (SO_2)
Emission Limits: 0.02 lbs./hr, 0.004 tons/year, and 0.5 lb/MMBtu
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article IX, Section 5-27
Polk County AQD Construction Permit 3475

Pollutant: Nitrogen Oxides (NOx)
Emission Limits: 16.78 lbs./hr, 4.19 tons/year
Authority for Requirement: Polk County AQD Construction Permit 3475

Pollutant: Volatile Organic Compound (VOC)
Emission Limits: 0.39 lbs./hr, 0.10 tons/year
Authority for Requirement: Polk County AQD Construction Permit 3475

Pollutant: Carbon Monoxide (CO)
Emission Limits: 4.31 lbs./hr, 1.08 tons/year
Authority for Requirement: Polk County AQD Construction Permit 3475

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS/NESHAP applicability:

The facility is subject to 40 CFR 60 Subpart IIII-Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.

The facility is subject to 40 CFR 63 Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

NSPS Requirements:

*The owner or operator shall comply with all applicable requirements of 40 CFR 60 subpart IIII-Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.
*§60.4205(b) must comply with emission standards for new engines in §60.4202.
*§60.4202(a)(2) provide certification that it will comply with standards in 40 CFR 1039, Appendix I, as applicable, for all pollutants.

The emission standards that the engine must be certified by the manufacturer to meet are:

Pollutant	Emission Standard	Regulatory Basis
Particulate Matter (PM)	0.20 grams/kW-hr	Appendix I to §1039 Table 2
NMHC+NOx	6.4 grams/kW-hr	Appendix I to §1039 Table 2
Carbon Monoxide (CO)	3.5 grams/kW-hr	Appendix I to §1039 Table 2
Opacity –acceleration mode	20%	§1039.105(b)(1)
Opacity-lugging mode	15%	§1039.105(b)(2)
Opacity-peaks in acceleration or lugging mode	50%	§1039.105(b)(3)

* §60.4206 owners and operators must operate and maintain stationary CI ICE that achieve the emission standards as required in §§60.4204 and 60.4205 over the entire life of the engine.
* The owner or operator must use fuel that meets requirements of §60.4207.
*The owner or operator shall meet the applicable monitoring requirements of §60.4209.
*The owner or operator shall meet the applicable monitoring requirements of §60.4211.

*The owner or operator shall operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission related written instructions per §60.4211(a)(1).
*The owner or operator shall change only those emission-related settings that are permitted by the manufacturer per §60.4211(a)(2).
*The owner or operator shall meet the requirements of 40 CFR part 1068 as they apply to you per §60.4211(a)(3).
*The owner or operator shall comply with the emission standards by purchasing an engine certified to the emission standards in §60.4204(b), or §60.4205(b) or (c), as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in paragraph (g) of this section per §60.4211(c).
* If you do not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted by the manufacturer, you must demonstrate compliance as required by §60.4211(g)(1), (2), and (3) per §60.4211(g).
* Any required compliance testing shall be performed according to the methods and procedures of §60.4212.
* The owner or operator shall record the run time each time the unit is operated. The log shall indicate the purpose of the operation, ie. maintenance check, readiness testing or emergency use per §60.4214.
* The owner or operator shall comply with the applicable notification, reporting, and recordkeeping requirements of §60.4214.

NOTE: The absence of the inclusion of any NSPS requirements as part of this permit does not relieve the owner or operator from any obligation to comply with all applicable NSPS conditions.

Authority for Requirement: 40 CFR Part 60 Subpart IIII
567 IAC 23.1(2)"yyy"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-16 (n)(77)
Polk County AQD Construction Permit 3475

NESHAP Requirements:
* The owner or operator shall comply with all applicable requirements of 40 CFR 63 subpart ZZZZ -National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.
* Per §63.6590(c) the facility satisfies all requirements of this subpart by complying with 40 CFR 60 subpart IIII.

NOTE: The absence of the inclusion of any NESHAP requirements as part of this permit does not relieve the owner or operator from any obligation to comply with all applicable NESHAP conditions.

Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ
567 IAC 23.1(4)"cz"
Polk County Board of Health Rules and Regulations Chapter V, Article VIII, Section 5-20 (zzzz)
Polk County Construction Permit Number 3475

Additional Requirements

Operating Limits:

A. The stationary internal combustion engines at the facility are limited to combusting diesel fuel oil that meets the requirements of Condition G, (*below).*

B. The stationary internal combustion engines at the facility are limited to combusting a maximum of 1,493,720 gallons of diesel fuel per rolling 12-month period, rolled monthly.

C. No single stationary internal combustion engine at the facility may exceed 500 hours of total operation in any 12-month period, rolled monthly.

D. For seven days per calendar year, the facility may operate all stationary internal combustion engines at the facility for any amount of time provided that the annual fuel usage limit from Condition B, *(above),* and the restrictions for an emergency engine from Condition F, (*below),* are complied with. These seven days are defined as “unrestricted days” for the purpose of the air dispersion modeling that was conducted for Polk County AQD construction permit 3475. An “unrestricted day’ shall begin and end at midnight.

E. On a day that is not an “unrestricted day”, the stationary internal combustion engines at the facility are limited to combusting a maximum of 31,104 gallons of diesel fuel per calendar day total. A “calendar day” is defined as the twenty-four (24) hour period that begins at 12:00 AM (CST) and ends at 11:59 PM (CST).

F. This engine is limited to operate as an emergency stationary internal combustion engine as defined in §60.4219 and in accordance with §60.4211. There is no limit on the use of the engine in emergency situations provided that the requested fuel usage limit established in Condition B, *(above),* and hour restriction of Condition C, *(above),* is not exceeded.

i. In accordance with §60.4211, the engine is limited to a maximum of 100 hours per calendar year for maintenance checks and readiness testing.

ii. The engine is allowed to operate up to 50 hours per calendar year in non-emergency situations, but the 50 hours are counted toward the 100 hours provided for maintenance and testing. The 50 hours per calendar year for non-emergency operation cannot be used to generate income for the facility to supply power to the electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity. This engine is not allowed to operate as a peak shaving unit.

G. In accordance with §60.4207(b), the diesel fuel oil combusted in this engine shall meet the following specifications from 40 CFR 1090.305(b)&(c) for nonroad diesel fuel:

i. a maximum sulfur content of 15 ppm (0.0015%) by weight; and

ii. a minimum cetane index of 40 or a maximum aromatic content of 35 percent by volume.

H. In accordance with §60.4209(a), the engine shall be equipped with a non-resettable hour meter.

I. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in §60.4211(g).

J. In accordance with §60.4211(a), this engine shall be operated and maintained in accordance with the manufacturer's emission-related written instructions. The owner or operator may only change emission-related engine settings that are permitted by the manufacturer.

Recordkeeping Requirements:

1. The owner or operator shall record the date, time and run time each time the unit is operated. The log shall indicate the purpose of the operation, ie. maintenance check, readiness testing or emergency use per §60.4214.

2. The owner or operator shall maintain the following daily records for each emission unit:

i) the number of engine-hours that the engine operated.

ii) the total number of engine-hours that all stationary internal combustion engines at the facility operated.

iii) whether the day is an "unrestricted day" or not an "unrestricted day" in accordance with condition *D* above.

3. The owner or operator shall maintain the following monthly records for each emission unit:

i) the number of hours that the engine is operated for maintenance checks and readiness testing.

ii) the number of hours that the engine is operated for allowed non-emergency operations.

iii) the total number of hours that the engine is operated.

iv) the total amount of fuel oil (in gallons) combusted for all stationary internal combustion engines.

v) each of the above records shall include the rolling 12-month total of hours for each category of operation (i.e. maintenance and readiness testing, non-emergency use, total hours of operation, total amount of fuel oil combusted).

4. The owner or operator shall maintain the following annual records for each emission unit on a calendar year basis:

i) the number of hours that the engine operated for maintenance checks and readiness testing.

ii) the number of hours that the engine operated for allowed non-emergency operations

iii) the total number of "emergency days" that the facility had.

iv) the total amount of fuel oil combusted for all stationary internal combustion engines.

5. The owner or operator shall comply with the requirement of *G*. listed above by one of the following methods:

i) have the fuel supplier certify that the fuel delivered meets the definition of non-road diesel fuel as defined in 40 CFR 1090.305(b)&(c);

ii) obtain a fuel analysis from the supplier showing the sulfur content and cetane index or aromatic content of the fuel delivered, or

iii) perform an analysis of the fuel to determine the sulfur content and cetane index or aromatic content of the fuel received.

6. All records shall be kept on site for a minimum period of five years and be made available to Polk County Air Quality personnel upon request.

Authority for Requirement: 40 CFR Part 60 Subpart IIII
567 IAC 23.1(2)"yyy"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-16 (n)(77)
Polk County AQD Construction Permit 3475

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height, (from the ground): 16'
Stack Opening: 12", Circular
Exhaust Flow Rate: 3,000 scfm
Exhaust Temperature: 890°F
Discharge Style: Vertical, unobstructed
Authority for Requirement: Polk County AQD Construction Permit 3475

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Polk County AQD recognizes that the temperature and flowrate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Polk County AQD and obtain a permit amendment, if required.

Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Visible Emissions (VE) shall be observed during testing and maintenance periods to ensure none occur during steady state conditions of the unit. No visible emissions are expected from this emission point under steady state conditions. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than the next scheduled maintenance or testing operation. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity greater than or equal to 20 % is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than the next scheduled maintenance or testing operation. If weather conditions prevent the observer from conducting a VE observation, the observer shall note such conditions on the data observation sheet. A VE observation shall be made during the next testing and maintenance period where weather permits.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Compliance Assurance Monitoring (CAM) Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: ATN5-EGA1

Emission Unit vented through this Emission Point: ATN5-EGA1
Emission Unit Description: Caterpillar Model C32 Diesel Emergency Generator
Raw Material/Fuel: Diesel Fuel
Rated Capacity: 1,000 kW; 71.5 gal/hr.

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: <20 %[(1)]
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article IV, Section 5-9
Polk County AQD Construction Permit 3738

[(1)] An exceedance of the opacity limit will require the owner or operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the Polk County AQD may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: $PM_{2.5}$
Emission Limits: 0.26 lbs./hr, 0.06 tons/year
Authority for Requirement: Polk County AQD Construction Permit 3738

Pollutant: PM_{10}
Emission Limits: 0.26 lbs./hr, 0.06 tons/year
Authority for Requirement: Polk County AQD Construction Permit 3738

Pollutant: Particulate Matter
Emission Limits: 0.26 lbs./hr, 0.06 tons/year, and 0.10 gr/dscf
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)
Polk County AQD Construction Permit 3738

Pollutant: Sulfur Dioxide (SO_2)
Emission Limits: 0.02 lbs./hr, 0.004 tons/year, and 0.5 lb/MMBtu
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article IX, Section 5-27
Polk County AQD Construction Permit 3738

Pollutant: Nitrogen Oxides (NOx)
Emission Limits: 19.52 lbs./hr, 4.88 tons/year
Authority for Requirement: Polk County AQD Construction Permit 3738

Pollutant: Volatile Organic Compound (VOC)
Emission Limits: 0.34 lbs./hr, 0.08 tons/year
Authority for Requirement: Polk County AQD Construction Permit 3738

Pollutant: Carbon Monoxide (CO)
Emission Limits: 2.78 lbs./hr, 0.69 tons/year
Authority for Requirement: Polk County AQD Construction Permit 3738

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS/NESHAP applicability:

The facility is subject to 40 CFR 60 Subpart IIII-Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.

The facility is subject to 40 CFR 63 Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

NSPS Requirements:

*The owner or operator shall comply with all applicable requirements of 40 CFR 60 subpart IIII-Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.
*§60.4205(b) must comply with emission standards for new engines in §60.4202.
*§60.4202(a)(2) provide certification that it will comply with standards in 40 CFR part 1039, Appendix I , as applicable, for all pollutants and the smoke standards as specified in 40 CFR 1039.105.

The emission standards that the engine must be certified by the manufacturer to meet are:

Pollutant	Emission Standard	Regulatory Basis
Particulate Matter (PM)	0.20 grams/kW-hr	40 CFR 1039, Appendix I, Table 2
NMHC+NOx	6.4 grams/kW-hr	40 CFR 1039, Appendix I, Table 2
Carbon Monoxide (CO)	3.5 grams/kW-hr	40 CFR 1039, Appendix I, Table 2
Opacity –acceleration mode	20%	40 CFR 1039.105(b)
Opacity-lugging mode	15%	40 CFR 1039.105(b)
Opacity-peaks in acceleration or lugging mode	50%	40 CFR 1039.105(b)

* §60.4206 owners and operators must operate and maintain stationary CI ICE that achieve the emission standards as required in §§60.4204 and 60.4205 over the entire life of the engine.
* The owner or operator must use fuel that meets requirements of §60.4207.
*The owner or operator shall meet the applicable monitoring requirements of §60.4209.
*The owner or operator shall meet the applicable monitoring requirements of §60.4211.

*The owner or operator shall operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission related written instructions per §60.4211(a)(1).
*The owner or operator shall change only those emission-related settings that are permitted by the manufacturer per §60.4211(a)(2).
*The owner or operator shall meet the requirements of 40 CFR parts 1068 as they apply to you per §60.4211(a)(3).
*The owner or operator shall comply with the emission standards by purchasing an engine certified to the emission standards in §60.4204(b), or §60.4205(b) or (c), as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in paragraph (g) of this section per §60.4211(c).
* If you do not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted by the manufacturer, you must demonstrate compliance as required by §60.4211(g)(1), (2), and (3) per §60.4211(g).
* Any required compliance testing shall be performed according to the methods and procedures of §60.4212.
* The owner or operator shall record the run time each time the unit is operated. The log shall indicate the purpose of the operation, ie. maintenance check, readiness testing or emergency use per §60.4214.
* The owner or operator shall comply with the applicable notification, reporting, and recordkeeping requirements of §60.4214.

NOTE: The absence of the inclusion of any NSPS requirements as part of this permit does not relieve the owner or operator from any obligation to comply with all applicable NSPS conditions.

Authority for Requirement: 40 CFR Part 60 Subpart IIII
567 IAC 23.1(2)"yyy"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-16 (n)(77)
Polk County AQD Construction Permit 3738

NESHAP Requirements:

* The owner or operator shall comply with all applicable requirements of 40 CFR 63 subpart ZZZZ -National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.
* Per §63.6590(c) the facility satisfies all requirements of this subpart by complying with 40 CFR 60 subpart IIII.

NOTE: The absence of the inclusion of any NESHAP requirements as part of this permit does not relieve the owner or operator from any obligation to comply with all applicable NESHAP conditions.

Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ
567 IAC 23.1(4)"cz"
Polk County Board of Health Rules and Regulations Chapter V, Article VIII, Section 5-20 (zzzz)
Polk County Construction Permit Number 3738

Additional Requirements

Operating Limits:

A. The stationary internal combustion engines at the facility are limited to combusting diesel fuel oil that meets the requirements of Condition G, (*below).*

B. The stationary internal combustion engines at the facility are limited to combusting a maximum of 1,493,720 gallons of diesel fuel per rolling 12-month period, rolled monthly.

C. No single stationary internal combustion engine at the facility may exceed 500 hours of total operation in any 12-month period, rolled monthly.

D. For seven days per calendar year, the facility may operate all stationary internal combustion engines at the facility for any amount of time provided that the annual fuel usage limit from Condition B, *(above),* and the restrictions for an emergency engine from Condition F, (*below),* are complied with. These seven days are defined as "unrestricted days" for the purpose of the air dispersion modeling that was conducted for Polk County AQD construction permit 3738. An "unrestricted day' shall begin and end at midnight.

E. On a day that is not an "unrestricted day", the stationary internal combustion engines at the facility are limited to combusting a maximum of 31,104 gallons of diesel fuel per calendar day total. A "calendar day" is defined as the twenty-four (24) hour period that begins at 12:00 AM (CST) and ends at 11:59 PM (CST).

F. This engine is limited to operate as an emergency stationary internal combustion engine as defined in §60.4219 and in accordance with §60.4211. There is no limit on the use of the engine in emergency situations provided that the requested fuel usage limit established in Condition B, *(above),* and hour restriction of Condition C, *(above),* is not exceeded.

i. In accordance with §60.4211, the engine is limited to a maximum of 100 hours per calendar year for maintenance checks and readiness testing.

ii. The engine is allowed to operate up to 50 hours per calendar year in non-emergency situations, but the 50 hours are counted toward the 100 hours provided for maintenance and testing. The 50 hours per calendar year for non-emergency operation cannot be used to generate income for the facility to supply power to the electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity. This engine is not allowed to operate as a peak shaving unit.

G. In accordance with §60.4207(b), the diesel fuel oil combusted in this engine shall meet the following specifications from 40 CFR 1090.305 for nonroad diesel fuel:

i. a maximum sulfur content of 15 ppm (0.0015%) by weight; and

ii. a minimum cetane index of 40 or a maximum aromatic content of 35 percent by volume.

H. In accordance with §60.4209(a), the engine shall be equipped with a non-resettable hour meter.

I. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in §60.4211(g).

J. In accordance with §60.4211(a), this engine shall be operated and maintained in accordance with the manufacturer's emission-related written instructions. The owner or operator may only change emission-related engine settings that are permitted by the manufacturer.

Recordkeeping Requirements:

1. The owner or operator shall record the date, time and run time each time the unit is operated. The log shall indicate the purpose of the operation, ie. maintenance check, readiness testing or emergency use per §60.4214.

2. The owner or operator shall maintain the following daily records for each emission unit:

i) the number of engine-hours that the engine operated.

ii) the total number of engine-hours that all stationary internal combustion engines at the facility operated.

iii) whether the day is an "unrestricted day" or not an "unrestricted day" in accordance with condition *D* above.

3. The owner or operator shall maintain the following monthly records for each emission unit:

i) the number of hours that the engine is operated for maintenance checks and readiness testing.

ii) the number of hours that the engine is operated for allowed non-emergency operations.

iii) the total number of hours that the engine is operated.

iv) the total amount of fuel oil (in gallons) combusted for all stationary internal combustion engines.

v) each of the above records shall include the rolling 12-month total of hours for each category of operation (i.e. maintenance and readiness testing, non-emergency use, total hours of operation, total amount of fuel oil combusted).

4. The owner or operator shall maintain the following annual records for each emission unit on a calendar year basis:

i) the number of hours that the engine operated for maintenance checks and readiness testing.

ii) the number of hours that the engine operated for allowed non-emergency operations.

iii) the total number of "emergency days" that the facility had.

iv) the total amount of fuel oil combusted for all stationary internal combustion engines.

5. The owner or operator shall comply with the requirement of *G*. listed above by one of the following methods:

i) have the fuel supplier certify that the fuel delivered meets the specifications of non-road diesel fuel from 40 CFR 1090.305;

ii) obtain a fuel analysis from the supplier showing the sulfur content and cetane index or aromatic content of the fuel delivered, or

iii) perform an analysis of the fuel to determine the sulfur content and cetane index or aromatic content of the fuel received.

6. All records shall be kept on site for a minimum period of five years and be made available to Polk County Air Quality personnel upon request.

Authority for Requirement: 40 CFR Part 60 Subpart IIII
567 IAC 23.1(2)"yyy"
Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-16 (n)(77)
Polk County AQD Construction Permit 3738

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (from the ground): 16.1'
Stack Opening: 11.8", Circular
Exhaust Flow Rate: 3,180 scfm
Exhaust Temperature: 893°F
Discharge Style: Vertical, unobstructed
Authority for Requirement: Polk County AQD Construction Permit 3738

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Polk County AQD recognizes that the temperature and flowrate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Polk County AQD and obtain a permit amendment, if required.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Visible Emissions (VE) shall be observed during testing and maintenance periods to ensure none occur during steady state conditions of the unit. No visible emissions are expected from this emission point under steady state conditions. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than the next scheduled maintenance or testing operation. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity greater than or equal to 20 % is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than the next scheduled maintenance or testing operation. If weather conditions prevent the observer from conducting a VE observation, the observer shall note such conditions on the data observation sheet. A VE observation shall be made during the next testing and maintenance period where weather permits.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Compliance Assurance Monitoring (CAM) Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Numbers: CT1, CT2, CT3

Emission Unit vented through this Emission Point: CT1, CT2, CT3
Emission Unit Description: Baltimore Aircoil Company Model S3E-1424-12T/EDX Cooling Towers
Raw Material/Fuel: Water with impurities/ particulate
Rated Capacity: 2,645 gallon/minute (per cooling tower)

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from each emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: <20 %(1)
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article IV, Section 5-9
Polk County AQD Construction Permit 3634

(1) An exceedance of the opacity limit will require the owner or operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the Polk County AQD may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: PM_{10}
Emission Limits: 0.39 lbs./hr, 1.70 tons/year
Authority for Requirement: Polk County AQD Construction Permit 3634

Pollutant: Particulate Matter
Emission Limits: 0.39 lbs./hr, 1.70 tons/year, and 0.10 gr/dscf
Authority for Requirement: Polk County Board of Health Rules and Regulations Chapter V, Article VI, Section 5-14(b)
Polk County AQD Construction Permit 3634

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work practice standards:

- The facility shall not use any chromium based water treatment chemicals or other products which would make the cooling tower an affected source for 40 CFR 63 subpart Q-National Emission Standards for Industrial Process Cooling Towers.

Reporting & Record keeping:

- Current MSD sheets shall be maintained on site for each water treatment chemical used during the reporting period.
- Required records shall be kept on site for a minimum period of five years and shall be made available to representatives of this agency upon request.

Authority for Requirement: Polk County AQD Construction Permit 3634

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (from the ground): 45.1'
Stack Opening: 167", Circular
Exhaust Flow Rate: 529,896 scfm
Exhaust Temperature: 97.1°F
Discharge Style: Vertical, unobstructed
Authority for Requirement: Polk County AQD Construction Permit 3634

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Polk County AQD recognizes that the temperature and flowrate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Polk County AQD and obtain a permit amendment, if required.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Compliance Assurance Monitoring (CAM) Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)

IV. General Conditions

This permit is issued under the authority of the Iowa Code subsection 455B.133(8) and in accordance with 567 Iowa Administrative Code chapter 22 and Polk County Board Of Health Rules And Regulations, Chapter V, Air Pollution, (Chapter V), Article X, 5-35.

G1. Duty to Comply

1. The permittee must comply with all conditions of the Title V permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for a permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. *567 IAC 22.108(9)"a"*

2. Any compliance schedule shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based. *567 IAC 22.105 (2)"h"(3)*

3. Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be enforceable by the administrator and are incorporated into this permit. *567 IAC 22.108 (1)"b"*

4. Unless specified as either "state enforceable only" or "local program enforceable only", all terms and conditions in the permit, including provisions to limit a source's potential to emit, are enforceable by the administrator and citizens under the Act. *567 IAC 22.108 (14)*

5. It shall not be a defense for a permittee, in an enforcement action, that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. *567 IAC 22.108 (9)"b"*

6. For applicable requirements with which the permittee is in compliance, the permittee shall continue to comply with such requirements. For applicable requirements that will become effective during the permit term, the permittee shall meet such requirements on a timely basis. *567 IAC 22.108(15)"c"*

G2. Permit Expiration

1. Except as provided in rule 567—22.104(455B), permit expiration terminates a source’s right to operate unless a timely and complete application for renewal has been submitted in accordance with rule 567—22.105(455B). *567 IAC 22.116(2)*

2. To be considered timely, the owner, operator, or designated representative (where applicable) of each source required to obtain a Title V permit shall submit on forms or electronic format specified by the Department to the Air Quality Bureau, Iowa Department of Natural Resources, Air Quality Bureau, Wallace State Office Building, 502 E 9th St., Des Moines, IA 50319-0034, two copies (three if your facility is located in Linn or Polk county) of a complete permit application, at least 6 months but not more than 18 months prior to the date of permit expiration. An additional copy must also be sent to U.S. EPA Region VII, Attention: Chief of Air Permitting & Standards Branch, 11201 Renner Blvd., Lenexa, KS 66219. Additional copies to local programs or EPA are not required for application materials submitted through the electronic format specified by the Department. The application must include all emission points, emission units, air pollution control equipment, and monitoring devices at the facility. All emissions generating activities, including fugitive emissions, must be included. The definition of a complete application is as indicated in 567 IAC 22.105(2). *567 IAC 22.105*

G3. Certification Requirement for Title V Related Documents

Any application, report, compliance certification or other document submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. All certifications shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. *567 IAC 22.107 (4)*

G4. Annual Compliance Certification

By March 31 of each year, the permittee shall submit compliance certifications for the previous calendar year. The certifications shall include descriptions of means to monitor the compliance status of all emissions sources including emissions limitations, standards, and work practices in accordance with applicable requirements. The certification for a source shall include the identification of each term or condition of the permit that is the basis of the certification; the compliance status; whether compliance was continuous or intermittent; the method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with all applicable department rules. For sources determined not to be in compliance at the time of compliance certification, a compliance schedule shall be submitted which provides for periodic progress reports, dates for achieving activities, milestones, and an explanation of why any dates were missed and preventive or corrective measures. The compliance certification shall be submitted to the administrator, director, and Polk County Air Quality Division.. *567 IAC 22.108 (15)"e"*

G5. Semi-Annual Monitoring Report

By March 31 and September 30 of each year, the permittee shall submit a report of any monitoring required under this permit for the 6 month periods of July 1 to December 31 and January 1 to June 30, respectively. All instances of deviations from permit requirements must be clearly identified in these reports, and the report must be signed by a responsible official, consistent with 567 IAC 22.107(4). The semi-annual monitoring report shall be submitted to the director and Polk County Air Quality Division. *567 IAC 22.108 (5)*

G6. Annual Fee

1. The permittee is required under subrule 567 IAC 22.106 to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. Beginning July 1, 1996, Title V operating permit fees will be paid on July 1 of each year. The fee shall be based on emissions for the previous calendar year.

2. The fee amount shall be calculated based on the first 4,000 tons of each regulated air pollutant emitted each year. The fee to be charged per ton of pollutant will be available from the department by June 1 of each year. The Responsible Official will be advised of any change in the annual fee per ton of pollutant.

3. The emissions inventory shall be submitted annually by March 31 with forms specified by the department documenting actual emissions for the previous calendar year.

4. The fee shall be submitted annually by July 1 with forms specified by the department.

5. If there are any changes to the emission calculation form, the department shall make revised forms available to the public by January 1. If revised forms are not available by January 1, forms from the previous year may be used and the year of emissions documented changed. The department shall calculate the total statewide Title V emissions for the prior calendar year and make this information available to the public no later than April 30 of each year.

6. Phase I acid rain affected units under section 404 of the Act shall not be required to pay a fee for emissions which occur during the years 1993 through 1999 inclusive.

7. The fee for a portable emissions unit or stationary source which operates both in Iowa and out of state shall be calculated only for emissions from the source while operating in Iowa.

8. Failure to pay the appropriate Title V fee represents cause for revocation of the Title V permit as indicated in 567 IAC 22.115(1)"d".

G7. Inspection of Premises, Records, Equipment, Methods and Discharges
Upon presentation of proper credentials and any other documents as may be required by law, the permittee shall allow the director or the director's authorized representative to:

1. Enter upon the permittee's premises where a Title V source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

3. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and

4. Sample or monitor, at reasonable times, substances or parameters for the purpose of ensuring compliance with the permit or other applicable requirements. *567 IAC 22.108 (15)"b"* and *Chapter V, Article II, 5-3 and 5-4*

G8. Duty to Provide Information

The permittee shall furnish to the director, within a reasonable time, any information that the director may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the director copies of records required to be kept by the permit, or for information claimed to be confidential, the permittee shall furnish such records directly to the administrator of EPA along with a claim of confidentiality. *567 IAC 22.108 (9)"e"* and *Chapter V, Article X, 5-46 and 5-47*

G9. General Maintenance and Repair Duties

The owner or operator of any air emission source or control equipment shall:

1. Maintain and operate the equipment or control equipment at all times in a manner consistent with good practice for minimizing emissions.

2. Remedy any cause of excess emissions in an expeditious manner.

3. Minimize the amount and duration of any excess emission to the maximum extent possible during periods of such emissions. These measures may include but not be limited to the use of clean fuels, production cutbacks, or the use of alternate process units or, in the case of utilities, purchase of electrical power until repairs are completed.

4. Schedule, at a minimum, routine maintenance of equipment or control equipment during periods of process shutdowns to the maximum extent possible. *567 IAC 24.2(1) and Chapter V, Article VI, Section 5-17.1*

G10. Recordkeeping Requirements for Compliance Monitoring

1. In addition to any source specific recordkeeping requirements contained in this permit, the permittee shall maintain the following compliance monitoring records, where applicable:

a. The date, place and time of sampling or measurements
b. The date the analyses were performed.
c. The company or entity that performed the analyses.
d. The analytical techniques or methods used.
e. The results of such analyses; and
f. The operating conditions as existing at the time of sampling or measurement.
g. The records of quality assurance for continuous compliance monitoring systems (including but not limited to quality control activities, audits and calibration drifts.)

2. The permittee shall retain records of all required compliance monitoring data and support information for a period of at least 5 years from the date of compliance monitoring sample, measurement report or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous compliance monitoring, and copies of all reports required by the permit.
3. For any source which in its application identified reasonably anticipated alternative operating scenarios, the permittee shall:

a. Comply with all terms and conditions of this permit specific to each alternative scenario.
b. Maintain a log at the permitted facility of the scenario under which it is operating.
c. Consider the permit shield, if provided in this permit, to extend to all terms and conditions under each operating scenario. *567 IAC 22.108(4), 567 IAC 22.108(12)*

G11. Evidence used in establishing that a violation has or is occurring.

Notwithstanding any other provisions of these rules, any credible evidence may be used for the purpose of establishing whether a person has violated or is in violation of any provisions herein.

1. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred at a source:

a. A monitoring method approved for the source and incorporated in an operating permit pursuant to 567 Chapter 22;

b. Compliance test methods specified in 567 Chapter 25; or

c. Testing or monitoring methods approved for the source in a construction permit issued pursuant to 567 Chapter 22.

2. The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:

a. Any monitoring or testing methods provided in these rules; or

b. Other testing, monitoring, or information gathering methods that produce information comparable to that produced by any method in subrule 21.5(1) or this subrule. *567 IAC 21.5(1)-567 IAC 21.5(2)*

G12. Prevention of Accidental Release: Risk Management Plan Notification and Compliance Certification

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Act, the permittee shall notify the department of this requirement. The plan shall be filed with all appropriate authorities by the deadline specified by EPA. A certification that this risk management plan is being properly implemented shall be included in the annual compliance certification of this permit. *567 IAC 22.108(6)*

G13. Hazardous Release

The permittee must report any situation involving the actual, imminent, or probable release of a hazardous substance into the atmosphere which, because of the quantity, strength and toxicity of the substance, creates an immediate or potential danger to the public health, safety or to the environment. A verbal report shall be made to the department at (515) 725-8694 and to the local police department or the office of the sheriff of the affected county as soon as possible but not later than six hours after the discovery or onset of the condition. This verbal report must be followed up with a written report as indicated in 567 IAC 131.2(2). *567 IAC Chapter 131-State Only*

G14. Excess Emissions and Excess Emissions Reporting Requirements

1. Excess Emissions. Excess emission during a period of startup, shutdown, or cleaning of control equipment is not a violation of the emission standard if the startup, shutdown or cleaning is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment which does not require the shutdown of the process equipment shall be limited to one six-minute period per one-hour period. An incident of excess emission (other than an incident during startup, shutdown or cleaning of control equipment) is a violation. If the owner or operator of a source maintains that the incident of excess emission was due to a malfunction, the owner or operator must show that the conditions which caused the incident of excess emission were not preventable by reasonable maintenance and control measures. Determination of any subsequent enforcement action will be made following review of this report. If excess emissions are occurring, either the control equipment causing the excess emission shall be repaired in an expeditious manner or the process generating the emissions shall be shutdown within a reasonable period of time. An expeditious manner is the time necessary to determine the cause of the excess emissions and to correct it within a reasonable period of time. A reasonable period of time is eight hours plus the period of time required to shut down the process without damaging the process equipment or control equipment. A variance from this subrule may be available as provided for in Iowa Code section 455B.143. In the case of an electric utility, a reasonable period of time is eight hours plus the period of time until comparable generating capacity is available to meet consumer demand with the affected unit out of service, unless, the director shall, upon investigation, reasonably determine that continued operation constitutes an unjustifiable environmental hazard and issue an order that such operation is not in the public interest and require a process shutdown to commence immediately.

2. Excess Emissions Reporting

a. Initial Reporting of Excess Emissions. An incident of excess emission (other than an incident of excess emission during a period of startup, shutdown, or cleaning) shall be reported to the appropriate field office of the department within eight hours of, or at the start of the first working day following the onset of the incident. The reporting exemption for an incident of excess emission during startup, shutdown or cleaning does not relieve the owner or operator of a source with continuous monitoring equipment of the obligation of submitting reports required in 567-subrule 25.1(6). An initial report of excess emission is not required for a source with operational continuous monitoring equipment (as specified in 567-subrule 25.1(1)) if the incident of excess emission continues for less than 30 minutes and does not exceed the applicable emission standard by more than 10 percent or the applicable visible emission standard by more than 10 percent opacity. The initial report may be made by electronic mail (E-mail), in person, or by telephone and shall include as a minimum the following:

i. The identity of the equipment or source operation from which the excess emission originated and the associated stack or emission point.
ii. The estimated quantity of the excess emission.
iii. The time and expected duration of the excess emission.
iv. The cause of the excess emission.
v. The steps being taken to remedy the excess emission.
vi. The steps being taken to limit the excess emission in the interim period.

b. Written Reporting of Excess Emissions. A written report of an incident of excess emission shall be submitted as a follow-up to all required initial reports to the department within seven days of the onset of the upset condition, and shall include as a minimum the following:

i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.
ii. The estimated quantity of the excess emission.
iii. The time and duration of the excess emission.
iv. The cause of the excess emission.
v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.
vi. The steps that were taken to limit the excess emission.
vii. If the owner claims that the excess emission was due to malfunction, documentation to support this claim. *567 IAC 24.1(1)-567 IAC 24.1(4)* and *Chapter V, Article VI, 5-17*

3. Emergency Defense for Excess Emissions. For the purposes of this permit, an “emergency” means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include non-compliance, to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation or operator error. An emergency constitutes an affirmative defense to an action brought for non-compliance with technology based limitations if it can be demonstrated through properly signed contemporaneous operating logs or other relevant evidence that:

a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
b. The facility at the time was being properly operated;
c. During the period of the emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements of the permit; and
d. The permittee submitted notice of the emergency to the director by certified mail within two working days of the time when the emissions limitations were exceeded due to the emergency. This notice fulfills the requirement of paragraph 22.108(5)"b." – See G15. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof. This provision is in addition to any emergency or upset provision contained in any applicable requirement. *567 IAC 22.108(16)*

G15. Permit Deviation Reporting Requirements

A deviation is any failure to meet a term, condition or applicable requirement in the permit. Reporting requirements for deviations that result in a hazardous release or excess emissions have been indicated above (see G13 and G14). Unless more frequent deviation reporting is specified in the permit, any other deviation shall be documented in the semi-annual monitoring report and the annual compliance certification (see G4 and G5). *567 IAC 22.108(5)"b"*

G16. Notification Requirements for Sources That Become Subject to NSPS and NESHAP Regulations

During the term of this permit, the permittee must notify the department of any source that becomes subject to a standard or other requirement under 567-subrule 23.1(2) (standards of performance of new stationary sources) or section 111 of the Act; or 567-subrule 23.1(3) (emissions standards for hazardous air pollutants), 567-subrule 23.1(4) (emission standards for hazardous air pollutants for source categories) or section 112 of the Act. This notification shall be submitted in writing to the department pursuant to the notification requirements in 40 CFR Section 60.7, 40 CFR Section 61.07, and/or 40 CFR Section 63.9. *567 IAC 23.1(2), 567 IAC 23.1(3), 567 IAC 23.1(4)* This notification must be made to Polk County Air Quality Division, in lieu of the Department, upon adoption of the NSPS or NESHAP into Chapter V.

G17. Requirements for Making Changes to Emission Sources That Do Not Require Title V Permit Modification

1. Off Permit Changes to a Source. Pursuant to section 502(b)(10) of the CAAA, the permittee may make changes to this installation/facility without revising this permit if:

a. The changes are not major modifications under any provision of any program required by section 110 of the Act, modifications under section 111 of the act, modifications under section 112 of the act, or major modifications as defined in 567 IAC Chapter 22;
b. The changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions);

c. The changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or as total emissions);

d. The changes are not subject to any requirement under Title IV of the Act (revisions affecting Title IV permitting are addressed in rules 567—22.140(455B) through 567 - 22.144(455B));
e. The changes comply with all applicable requirements.
f. For each such change, the permitted source provides to the department and the administrator by certified mail, at least 30 days in advance of the proposed change, a written notification, including the following, which must be attached to the permit by the source, the department and the administrator:

i. A brief description of the change within the permitted facility,
ii. The date on which the change will occur,
iii. Any change in emission as a result of that change,
iv. The pollutants emitted subject to the emissions trade
v. If the emissions trading provisions of the state implementation plan are invoked, then Title V permit requirements with which the source shall comply; a description of how the emissions increases and decreases will comply with the terms and conditions of the Title V permit.
vi. A description of the trading of emissions increases and decreases for the purpose of complying with a federally enforceable emissions cap as specified in and in compliance with the Title V permit; and
vii. Any permit term or condition no longer applicable as a result of the change.
567 IAC 22.110(1)

2. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), record keeping, reporting, or compliance certification requirements. *567 IAC 22.110(2)*

3. Notwithstanding any other part of this rule, the director may, upon review of a notice, require a stationary source to apply for a Title V permit if the change does not meet the requirements of subrule 22.110(1). *567 IAC 22.110(3)*

4. The permit shield provided in subrule 22.108(18) shall not apply to any change made pursuant to this rule. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the state implementation plan authorizing the emissions trade. *567 IAC 22.110(4)*

5. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes, for changes that are provided for in this permit. *567 IAC 22.108(11)*

G18. Duty to Modify a Title V Permit

1. Administrative Amendment.

a. An administrative permit amendment is a permit revision that does any of the following:

i. Correct typographical errors
ii. Identify a change in the name, address, or telephone number of any person identified in the permit, or provides a similar minor administrative change at the source;
iii. Require more frequent monitoring or reporting by the permittee; or
iv. Allow for a change in ownership or operational control of a source where the director determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new permittee has been submitted to the director.

b. The permittee may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request. The request shall be submitted to the director.

c. Administrative amendments to portions of permits containing provisions pursuant to Title IV of the Act shall be governed by regulations promulgated by the administrator under Title IV of the Act.

2. Minor Title V Permit Modification.

a. Minor Title V permit modification procedures may be used only for those permit modifications that satisfy all of the following:

i. Do not violate any applicable requirement;
ii. Do not involve significant changes to existing monitoring, reporting or recordkeeping requirements in the Title V permit;
iii. Do not require or change a case by case determination of an emission limitation or other standard, or an increment analysis;

iv. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed in order to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include any federally enforceable emissions caps which the source would assume to avoid classification as a modification under any provision under Title I of the Act; and an alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Act;
v. Are not modifications under any provision of Title I of the Act; and
vi. Are not required to be processed as significant modification under rule 567 - 22.113(455B).

b. An application for minor permit revision shall be on the minor Title V modification application form and shall include at least the following:

i. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;
ii. The permittee's suggested draft permit;
iii. Certification by a responsible official, pursuant to 567 IAC 22.107(4), that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used; and
iv. Completed forms to enable the department to notify the administrator and the affected states as required by 567 IAC 22.107(7).

c. The permittee may make the change proposed in its minor permit modification application immediately after it files the application. After the permittee makes this change and until the director takes any of the actions specified in 567 IAC 22.112(4) "a" to "c", the permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time, the permittee need not comply with the existing permit terms and conditions it seeks to modify. However, if the permittee fails to comply with its proposed permit terms and conditions during this time period, the existing permit terms and conditions it seeks to modify may be enforced against the facility.

3. Significant Title V Permit Modification.

Significant Title V modification procedures shall be used for applications requesting Title V permit modifications that do not qualify as minor Title V modifications or as administrative amendments. These include but are not limited to all significant changes in monitoring permit terms, every relaxation of reporting or recordkeeping permit terms, and any change in the method of measuring compliance with existing requirements. Significant Title V modifications shall meet all requirements of 567 IAC Chapter 22, including those for applications, public participation, review by affected states, and review by the administrator, as those requirements that apply to Title V issuance and renewal.

The permittee shall submit an application for a significant permit modification not later than three months after commencing operation of the changed source unless the existing Title V permit would prohibit such construction or change in operation, in which event the operation of the changed source may not commence until the department revises the permit. *567 IAC 22.111-567 IAC 22.113*

G19. Duty to Obtain Construction Permits

Unless exempted in 567 IAC 22.1(2) and Chapter V, Article X, 5-33, or to meet the parameters established in 567 IAC 22.1(1)"c", the permittee shall not construct, install, reconstruct or alter any equipment, control equipment or anaerobic lagoon without first obtaining a construction permit, or conditional permit, or permit pursuant to rule 567 IAC 22.8 & Polk County Chapter V, Article X, 5-28, or permits required pursuant to rules 567 IAC 22.4, 567 IAC 22.5, 567 IAC 31.3, and 567 IAC 33.3 as required in 567 IAC 22.1(1). A permit shall be obtained prior to the initiation of construction, installation or alteration of any portion of the stationary source or anaerobic lagoon. *567 IAC 22.1(1)* and *Chapter V, Article X, 5-28*

G20. Asbestos

The permittee shall comply with 567 IAC 23.1(3)"a", and 567 IAC 23.2(3)"g" when activities involve asbestos mills, surfacing of roadways, manufacturing operations, fabricating, insulating, waste disposal, spraying applications, demolition and renovation operations (*567 IAC 23.1(3)"a");* training fires and controlled burning of a demolished building *(567 IAC 23.2).*

G21. Open Burning

The permittee is prohibited from conducting open burning, except as may be allowed by *Chapter V, Article III, 5-7- State Only*

G22. Acid Rain (Title IV) Emissions Allowances

The permittee shall not exceed any allowances that it holds under Title IV of the Act or the regulations promulgated there under. Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide held by the owners and operators of the unit or the designated representative of the owners and operators is prohibited. Exceedences of applicable emission rates are prohibited. "Held" in this context refers to both those allowances assigned to the owners and operators by USEPA, and those allowances supplementally acquired by the owners and operators. The use of any allowance prior to the year for which it was allocated is prohibited. Contravention of any other provision of the permit is prohibited. *567 IAC 22.108(7)*

G23. Stratospheric Ozone and Climate Protection (Title VI) Requirements

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 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 reporting and 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 or greenhouse gas generating substances 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. *40 CFR part 82*

G24. Permit Reopenings

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. *567 IAC 22.108(9)"c"*

2. Additional applicable requirements under the Act become applicable to a major part 70 source with a remaining permit term of 3 or more years. Revisions shall be made as expeditiously as practicable, but not later than 18 months after the promulgation of such standards and regulations.

a. Reopening and revision on this ground is not required if the permit has a remaining term of less than three years;
b. Reopening and revision on this ground is not required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to 40 CFR 70.4(b)(10)(i) or (ii) as amended to May 15, 2001.
c. Reopening and revision on this ground is not required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. *567 IAC 22.108(17)"a", 567 IAC 22.108(17)"b"*

3. A permit shall be reopened and revised under any of the following circumstances:

a. The department receives notice that the administrator has granted a petition for disapproval of a permit pursuant to 40 CFR 70.8(d) as amended to July 21, 1992, provided that the reopening may be stayed pending judicial review of that determination;
b. The department or the administrator determines that the Title V permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Title V permit;
c. Additional applicable requirements under the Act become applicable to a Title V source, provided that the reopening on this ground is not required if the permit has a remaining term of less than three years, the effective date of the requirement is later than the date on which the permit is due to expire, or the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. Such a reopening shall be complete not later than 18 months after promulgation of the applicable requirement.
d. Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.
e. The department or the administrator determines that the permit must be revised or revoked to ensure compliance by the source with the applicable requirements. *567 IAC 22.114(1)*

4. Proceedings to reopen and reissue a Title V permit shall follow the procedures applicable to initial permit issuance and shall effect only those parts of the permit for which cause to reopen exists. *567 IAC 22.114(2)*

5. A notice of intent shall be provided to the Title V source at least 30 days in advance of the date the permit is to be reopened, except that the director may provide a shorter time period in the case of an emergency. *567 IAC 22.114(3)*

G25. Permit Shield

1. The director may expressly include in a Title V permit a provision stating that compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that:

a. Such applicable requirements are included and are specifically identified in the permit; or

b. The director, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the source, and the permit includes the determination or a concise summary thereof.

2. A Title V permit that does not expressly state that a permit shield exists shall be presumed not to provide such a shield.

3. A permit shield shall not alter or affect the following:

a. The provisions of Section 303 of the Act (emergency orders), including the authority of the administrator under that section;

b. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;

c. The applicable requirements of the acid rain program, consistent with Section 408(a) of the Act;

d. The ability of the department or the administrator to obtain information from the facility pursuant to Section 114 of the Act. *567 IAC 22.108 (18)*

G26. Severability

The provisions of this permit are severable and if any provision or application of any provision is found to be invalid by this department or a court of law, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected by such finding. *567 IAC 22.108 (8)* and *Chapter V, Article XVII, 5-77*

G27. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege. *567 IAC 22.108 (9)"d"*

G28. Transferability

This permit is not transferable from one source to another. If title to the facility or any part of it is transferred, an administrative amendment to the permit must be sought consistent with the requirements of 567 IAC 22.111(1). *567 IAC 22.111 (1)"d"*

G29. Disclaimer

No review has been undertaken on the engineering aspects of the equipment or control equipment other than the potential of that equipment for reducing air contaminant emissions. *567 IAC 22.3(3)"c"*

G30. Notification and Reporting Requirements for Stack Tests or Monitor Certification

The permittee shall notify the department's stack test contact in writing not less than 30 days before a required test or performance evaluation of a continuous emission monitor is performed to determine compliance with applicable requirements of 567 – Chapter 23 or a permit condition. Such notice shall include the time, the place, the name of the person who will conduct the test and other information as required by the department. If the owner or operator does not provide timely notice to the department, the department shall not consider the test results or performance evaluation results to be a valid demonstration of compliance with applicable rules or permit conditions. Upon written request, the department may allow a notification period of less than 30 days. At the department's request, a pretest meeting shall be held not later than 15 days prior to conducting the compliance demonstration. A testing protocol shall be submitted to the department no later than 15 days before the owner or operator conducts the compliance demonstration. A representative of the department shall be permitted to witness the tests. Results of the tests shall be submitted in writing to the department's stack test contact in the form of a comprehensive report within six weeks of the completion of the testing. Compliance tests conducted pursuant to this permit shall be conducted with the source operating in a normal manner at its maximum continuous output as rated by the equipment manufacturer, or the rate specified by the owner as the maximum production rate at which the source shall be operated. In cases where compliance is to be demonstrated at less than the maximum continuous output as rated by the equipment manufacturer, and it is the owner's intent to limit the capacity to that rating, the owner may submit evidence to the department that the source has been physically altered so that capacity cannot be exceeded, or the department may require additional testing, continuous monitoring, reports of operating levels, or any other information deemed necessary by the department to determine whether such source is in compliance.

Stack test notifications, reports and correspondence shall be sent to:

Stack Test Review Coordinator
Iowa DNR, Air Quality Bureau
Wallace State Office Building
502 E 9th Street
Des Moines, IA 50319-0034
(515/725-9526)

Within Polk County, stack test notifications, reports, correspondence, and the appropriate fee shall also be directed to the supervisor of the county air pollution program.
567 IAC 25.1(7)"a", 567 IAC 25.1(9) and *Chapter V, Article VII, 5-18 and 5-19*

G31. Prevention of Air Pollution Emergency Episodes
The permittee shall comply with the provisions of 567 IAC Chapter 26 in the prevention of excessive build-up of air contaminants during air pollution episodes, thereby preventing the occurrence of an emergency due to the effects of these contaminants on the health of persons. *567 IAC 26.1(1)*

G32. Contacts List

The current address and phone number for reports and notifications to the EPA administrator is:

Iowa Compliance Officer
Air Branch
Enforcement and Compliance Assurance Division
U.S. EPA Region 7
11201 Renner Blvd.
Lenexa, KS 66219
(913) 551-7020

The current address and phone number for reports and notifications to the department or the Director is:

Chief, Air Quality Bureau
Iowa Department of Natural Resources
Wallace State Office Building
502 E. 9th Street
Des Moines, IA 50319-0034
(515) 725-8200

Reports or notifications to the local program shall be directed to the supervisor at the appropriate local program. Current address and phone number is:

Polk County Public Works Department
Air Quality Division
5885 NE 14th Street
Des Moines, IA 50313
(515) 286-3351

V. Appendix 1: Weblinks to applicable NSPS and NESHAP

- **40 CFR 60 Subpart IIII—Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**
  https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-60/subpart-IIII

- **40 CFR 63- Subpart ZZZZ—National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**
  https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-ZZZZ