COLORADO
Air Pollution Control Division
Department of Public Health & Environment

CONSTRUCTION PERMIT

Permit Number: 24DE0836 (Issuance 1)

Date Issued: 7/17/2025 507334

Issued To: CoreSite Real Estate DE3, LLC

Facility Name: CoreSite DE3
Plant AIRS ID: 031-2609
Physical Location: 4900 North Race Street, Denver
County: Denver County
General Description: Data Center

Equipment or activity subject to this permit:

Facility Equipment ID	AIRS Point	Description
Gen01-Gen14	001-014	Fourteen (14) diesel-fueled internal combustion engines: Make: ..... Kohler Model: ..... KD3500 Serial Number: ..... TBD Design rating: ..... 5,040 horsepower (each) Site rating: ..... 5,040 horsepower (each) These engines are subject to NSPS Subpart IIII Tier 2 standards.

These engines may be replaced with other engines in accordance with the temporary engine replacement provision or with other Kohler KD3500 engine(s) in accordance with the permanent replacement provision of the Alternate Operating Scenario (AOS), included in this permit as Attachment A.

THIS PERMIT IS GRANTED SUBJECT TO ALL RULES AND REGULATIONS OF THE COLORADO AIR QUALITY CONTROL COMMISSION AND THE COLORADO AIR POLLUTION PREVENTION AND CONTROL ACT C.R.S. (25-7-101 et seq), TO THOSE GENERAL TERMS AND CONDITIONS INCLUDED IN THIS DOCUMENT AND THE FOLLOWING SPECIFIC TERMS AND CONDITIONS:

REQUIREMENTS TO SELF-CERTIFY FOR FINAL APPROVAL

1. **Points 001-014: You must notify the Air Pollution Control Division (Division) no later than fifteen (15) days after commencement of operation of each engine under this permit by submitting a Notice of Startup (NOS) to the Division.** The NOS must be submitted using the Division's online submission tool on the Division's self-certification webpage. Failure to notify the Division of startup of the permitted source is a violation of AQCC Regulation Number 3, Part B, Section III.G.1, and can result in the revocation of the permit.

2. Within one hundred and eighty (180) days after commencement of operation of the engine(s) in each installation phase, compliance with the conditions contained on this permit must be demonstrated to the Division. It is the permittee's responsibility to self-certify compliance with the conditions. Failure to demonstrate compliance within 180 days may result in revocation of the permit or enforcement action by the Division. Information on how to certify compliance was mailed with the permit or can be obtained from the Division's website. Search for "Colorado air permit self-certification" in a search engine to find self-certification information. (Reference: Regulation Number 3, Part B, Section III.G.2.)

3. The portions of this permit pertaining to each engine installation phase will expire if the owner or operator of the source for which this permit was issued: (i) does not commence construction/modification or operation of each phase within eighteen (18) months after either, the date of issuance of this construction permit or the date on which such construction or activity was scheduled to commence as set forth in the permit application associated with this permit; (ii) discontinues construction for a period of 18 months or more; or (iii) does not complete construction within a reasonable time of the estimated completion date. The Division may grant extensions of the deadline per Regulation Number 3, Part B, Section III.F.4.b. (Reference: Regulation Number 3, Part B, Section III.F.4.)

4. **Points 001-014:** Within one hundred and eighty (180) days after commencement of operation of the engine(s) in each installation phase, the operator must complete all initial compliance testing and sampling as required in this permit and submit the results to the Division as part of the self-certification process. (Reference: Regulation Number 3, Part B, Section III.G.2.)

5. **Points 001-014:** The owner or operator must develop an operating and maintenance (O&M) plan, along with a recordkeeping format, that outlines how the applicant will maintain compliance on an ongoing basis with the requirements of this permit. Compliance with the O&M plan must commence at startup. Within one hundred and eighty (180) days after commencement of operation of the engine(s) in each installation phase, the owner or operator must submit the O&M plan to the Division. Failure to submit an acceptable operating and maintenance plan could result in revocation of the permit. Note that the Division may modify the monitoring requirements as part of the Title V Operating Permit if this facility is subject to Title V permitting. (Reference: Regulation Number 3, Part B, Section III.G.7.)

6. Within thirty (30) days after commencement of operation for each engine, the permit number and AIRS ID number must be marked on the subject equipment for ease of identification. (Reference: Regulation Number 3, Part B, Section III.E.) (State only enforceable.)

7. **Points 001-014:** The serial number of the subject equipment must be provided to the Division within one hundred and eighty (180) days after commencement of operation of each engine. (Reference: Regulation Number 3, Part B, Section III.G.2.)

EMISSION LIMITATIONS AND RECORDS

8. The owner or operator must track emissions from all insignificant activities at the facility on an annual basis to demonstrate compliance with the facility emission limitations as indicated below. An inventory of each insignificant activity and associated emission calculations must be made available to the Division for inspection upon request. For the purposes of this condition, insignificant activities are defined as any activity or equipment, which emits any amount but does not require an Air Pollutant Emission Notice (APEN) or is permit exempt. (Reference: Regulation Number 3, Part C, Section II.E.)

   Total emissions from the facility, including all permitted emissions and potential to emit from all insignificant activities, must be less than:

   a. 25 tons of NO_x per year.

9. Emissions of air pollutants must not exceed the following limitations (as calculated using the emission factors included in the "Notes to Permit Holder" section of this permit). Monthly records of the actual emission rates must be maintained by the applicant and be made available to the Division for inspection upon request. (Reference: Regulation Number 3, Part B, Section II.A.4.)

Monthly Limits (tons per month):

Facility Equipment ID	AIRS Points	PM	PM_{10}	$PM_{2.5}$	NO_x	SO_2	VOC	CO	Emission Type
Gen01-Gen14	001-014	-	-	-	2.2	-	0.4	0.9	Point

Note: Monthly limits are based on a 31-day month. The owner or operator must calculate monthly emissions based on the calendar month.

Annual Limits (tons per year):

Facility Equipment ID	AIRS Points	PM	PM_{10}	$PM_{2.5}$	NO_x	SO_2	VOC	CO	Emission Type
Gen01-Gen14	001-014	-	-	-	24.9	-	3.7	9.7	Point

See "Notes to Permit Holder" for information on emission factors and methods used to calculate limits.

During the first twelve (12) months of operation, compliance with both the monthly and annual emission limitation(s) is required. After the first twelve (12) months of operation, compliance with only the annual limitation(s) is required.

Compliance with the annual limits must be determined on a rolling twelve (12)-month total. By the end of each month a new twelve-month total is calculated based on the previous twelve months' data. The permit holder must calculate actual emissions each month and keep a compliance record on site or at a local field office with site responsibility for Division review.

The owner or operator must use the emission factors found in "Notes to Permit Holder" to calculate emissions and show compliance with the limits. The owner or operator must submit an Air Pollutant Emission Notice (APEN) and receive a modified permit prior to the use of any other method of calculating emissions.

PROCESS LIMITATIONS AND RECORDS

10. This source must be limited to the following maximum consumption, processing and/or operational rates as listed below. Annual and monthly records of the actual process rate must be maintained by the applicant and made available to the Division for inspection upon request. (Reference: Regulation Number 3, Part B, Section II.A.4.)

Process/Consumption Limits:

Facility Equipment ID	AIRS Point	Process Parameter	Monthly Limit (31 days)	Annual Limit
Gen01-Gen14	001-014	Diesel fuel Consumption	15,431 gallons	181,679 gallons

These limits are combined totals for all engines covered under this permit. Each engine may operate for no more than 500 hours per year. Each engine may operate for no more than 25 hours per year for non-emergency purposes.

These engines are designated as emergency power generators, and therefore must only be operated to provide back-up power to the facility when electric power is interrupted, or for periodic maintenance and testing purposes. These engines are limited to a maximum of 500 operating hours per year each, including periodic maintenance and testing.

Compliance with these operational limits must be demonstrated by installing a non-resettable hour meter on each engine and recording the hours of each engine's operation.

During the first twelve (12) months of operation, compliance with both the monthly and annual process limitation(s) is required. After the first twelve (12) months of operation, compliance with only the yearly limitation(s) is required.

Compliance with the annual process limits must be determined on a rolling twelve (12)-month total. By the end of each month a new twelve-month total is calculated based on the previous twelve months' data. The permit holder must calculate monthly process rates and keep a compliance record on site or at a local field office with site responsibility, for Division review.

11. These engines must meet the following requirements when operating for non-emergency purposes:

    a. No more than two (2) engines may be operated at the same time.

    b. Each engine may operate for no more than twenty five (25) hours per year for non-emergency purposes.

    c. Engines may only operate between the hours of 7 AM and 7 PM for non-emergency purposes.

STATE AND FEDERAL REGULATORY REQUIREMENTS

12. Visible emissions must not exceed twenty percent (20%) opacity during normal operation of the source. During periods of startup, process modification, or adjustment of control equipment visible emissions must not exceed thirty percent (30%) opacity for more than six minutes in any sixty (60) consecutive minutes. Opacity must be determined using EPA Method 9. (Reference: Regulation Number 1, Sections II.A.1. & 4.)

13. This source is subject to the odor requirements of Regulation Number 2. (State-only enforceable)

14. This source is subject to the New Source Performance Standards requirements of Regulation Number 6, Part A, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (CI ICE) including, but not limited to, the following:

    [The requirements below reflect the rule language of 40 CFR Part 60, Subpart IIII published in the Federal Register on 1/30/2013. However, if revisions to this Subpart are published at a later date, the owner or operator is subject to the requirements contained in the revised version of 40 CFR Part 60, Subpart IIII.]

    a. Emissions of Non-Methane Hydrocarbons and Nitrogen Oxides combined shall not exceed 4.7 grams per horsepower hour.

    b. Emissions of Carbon Monoxide shall not exceed 2.6 grams per horsepower hour.

    c. Emissions of Particulate Matter shall not exceed 0.2 grams per horsepower hour.

    d. All fuel purchased shall meet the following specifications:

        i. Sulfur content shall not exceed 15 ppm.

        ii. Have a minimum cetane index of 40 **or**

            Have a maximum aromatic compound content of 35% by volume.

            Compliance shall be demonstrated by maintaining copies of the fuel specifications provided by the supplier on-site or in a readily accessible location and made available to the Division for inspection upon request.

e. All engines and control devices must be installed, configured, operated, and maintained according to the specifications and instructions provided by the engine manufacturer.

f. If engine is equipped with a diesel particulate filter, the filter must be installed with a backpressure monitor that notifies the owner or operator when the high backpressure limit of the engine is approached. Records shall be kept of any corrective action taken after the backpressure monitor has notified the owner or operator that the high backpressure limit is approached.

g. If engine is used for emergency purposes, a non-resettable hour meter must be installed prior to start-up. (Reference: NSPS IIII, §60.4209(a).)

h. These engine shall not be used for any purpose except emergency power generation and for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. There is no time limit on the use of emergency stationary ICE in emergency situations. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. Emergency stationary ICE may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity. For owners and operators of emergency engines, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as permitted in this section, is prohibited. (Reference: NSPS IIII, §60.4211(f).)

15. The owner or operator of this facility is subject to the following requirements of Regulation Number 6, Part A, Subpart A, General Provisions (40 CFR Part 60, Subpart A).

a. At all times, including periods of start-up, shutdown, and malfunction, the facility and control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practices for minimizing emissions. Determination of whether or not acceptable operating and maintenance procedures are being used will be based on information available to the Division, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. (Reference: Regulation Number 6, Part A. General Provisions from 40 CFR 60.11)

b. No article, machine, equipment or process shall be used to conceal an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. (§60.12)

c. Written notification of construction shall be submitted to the Division as required under § 60.7(a)(1). The notification must include the information in §60.4214(a)(1)(i) through (v).

16. **Points 001-014:** This source is located in an ozone nonattainment or attainment-maintenance area, and is therefore subject to the Reasonably Available Control Technology (RACT) requirements of Regulation Number 3, Part B, Section III.D.2. The requirements of condition number 14 above were determined to be RACT for this source.

17. **Points 001-014:** This source is located in a Cumulatively Impacted Community (CIC) as defined in Regulation Number 3, Part A, Section I.B.21, and is therefore subject to the Reasonably Available Control Technology (RACT) requirements of Regulation Number 3, Part B, Section III.D.2.c. The requirements of condition number 14 above were determined to be RACT for this source. (Reference: Regulation Number 3, Part B, Sections III.D.2.c. & III.D.2.d.)

OPERATING & MAINTENANCE REQUIREMENTS

18. The owner or operator must develop an operating and maintenance (O&M) plan, along with a recordkeeping format, that outlines how the applicant will maintain compliance on an ongoing basis with the requirements of this permit. **Compliance with the O&M plan must commence at startup.** Within one hundred and eighty (180) days after commencement of operation or issuance of this permit, whichever is later, the owner or operator must submit the O&M plan to the Division. Failure to submit an acceptable operating and maintenance plan could result in revocation of the permit. Note that the Division may modify the monitoring requirements as part of the Title V Operating Permit if this facility is subject to Title V permitting. (Reference: Regulation Number 3, Part B, Section III.G.7.)

COMPLIANCE TESTING AND SAMPLING

Initial Testing Requirements

19. Within one hundred and eighty (180) days of startup of each engine, the owner or operator must demonstrate compliance with Condition 12, using EPA Method 9 to measure opacity from that engine. This measurement must consist of a minimum twenty-four (24) consecutive readings taken at fifteen (15) second intervals over a six (6) minute period. (Reference: Regulation Number 1, Sections II.A.1 & 4.)

Periodic Testing Requirements

20. Replacements of these engines completed as Alternative Operating Scenarios may be subject to additional testing requirements as specified in Attachment A.

ADDITIONAL REQUIREMENTS

21. The permit number and AIRS ID number must be marked on the subject equipment for ease of identification. (Reference: Regulation Number 3, Part B, Section III.E.) (State-only enforceable)

22. A Revised Air Pollutant Emission Notice (APEN) must be filed: (Reference: Regulation Number 3, Part A, Section II.C.)

    a. By April 30 of the year following a significant increase in emissions. A significant increase in emissions is defined as follows:

       For any criteria pollutant:

       For sources emitting less than one hundred (100) tons per year, a change in actual emissions of five (5) tons per year or more, above the level reported on the last APEN submitted; or

       For volatile organic compounds (VOC) and nitrogen oxide (NOx) sources in an ozone non-attainment area emitting less than one hundred (100) tons of VOC or nitrogen oxides per year, a change in actual emissions of one (1) ton per year or more or five percent (5%), whichever is greater, above the level reported on the last APEN submitted; or

       For sources emitting one hundred (100) tons per year or more of a criteria pollutant, a change in actual emissions of five percent (5%) or fifty (50) tons per year or more, whichever is less, above the level reported on the last APEN submitted; or

       For sources emitting any amount of lead, a change in actual emissions, above the level reported on the last APEN submitted, of fifty (50) pounds of lead

       For any non-criteria reportable pollutant:

       If the emissions increase by fifty percent (50%) or five (5) tons per year, whichever is less, above the level reported on the last APEN submitted to the Division.

    b. Whenever there is a change in the owner or operator of any facility, process, or activity.

    c. Whenever new control equipment is installed, or whenever a different type of control equipment replaces an existing type of control equipment.

    d. Whenever a permit limitation must be modified.

    e. No later than thirty (30) days before the existing APEN expires.

23. The permit holder must construct and maintain exhaust stack heights as listed in the table below. (Reference: Regulation Number 3, Part B, Section III.E.)

Facility Equipment ID	AIRS Point	Engine Make/Model	Minimum stack height above ground level (feet)
Gen01-Gen07	001-007	Kohler KD3500	46.75
Gen08-Gen14	008-014	Kohler KD3500	50.75

24. Public access must be precluded in all areas within the modeling receptor exclusion zone as submitted with the modeling in the application, as depicted in Attachment B. The exclusion zone must be fenced and posted with no trespassing signs. (Reference: Regulation Number 3, Part B, Section III.E.)

25. The terms, conditions and information contained in Attachments A & B are hereby incorporated into this permit, and are enforceable as if fully set forth herein including, but not limited to, emission point description, emission factor summary, emission limits or other limitations, controls, and specific requirements. (Reference: Regulation Number 3, Part B, Section III.E.)

GENERAL TERMS AND CONDITIONS

26. This permit and any attachments must be retained and made available for inspection upon request. The permit may be reissued to a new owner by the Division as provided in Regulation Number 3, Part B, Section II.B. upon a request for transfer of ownership and the submittal of a revised APEN and the required fee.

27. If this permit specifically states that final approval has been granted, then the remainder of this condition is not applicable. Otherwise, the issuance of this construction permit is considered initial approval and does not provide "final" approval for this activity or operation of this source. Final approval of the permit must be secured from the APCD in writing in accordance with the provisions of 25-7-114.5(12)(a) C.R.S. and AQCC Regulation Number 3, Part B, Section III.G. Final approval cannot be granted until the operation or activity commences and has been verified by the APCD as conforming in all respects with the conditions of the permit. Once self-certification of all points has been reviewed and approved by the Division, it will provide written documentation of such final approval. **Details for obtaining final approval to operate are located in the "Requirements to Self-Certify for Final Approval" section of this permit.** The operator must retain the permit final approval letter issued by the Division after completion of self-certification with the most current construction permit.

28. This permit is issued in reliance upon the accuracy and completeness of information supplied by the applicant and is conditioned upon conduct of the activity, or construction, installation and operation of the source, in accordance with this information and with representations made by the applicant or applicant's agents. It is valid only for the equipment and operations or activity(ies) specifically identified in this permit. If subsequent operations or testing at the source indicate the information supplied to obtain this permit and relied upon in the creation and issuance of this permit is inaccurate, the source must submit an application to modify the permit to address the inaccuracy(ies). (Reference: Regulation Number 3, Part B, Section III.E.)

Permit History

Issuance	Date	Description
Issuance 1	This Issuance	Issued to CoreSite Real Estate DE3, LLC

NOTES TO PERMIT HOLDER (AS OF DATE OF PERMIT ISSUANCE)

1) The production or raw material processing limits and emission limits contained in this permit are based on the production/processing rates requested in the permit application. These limits may be revised upon request of the permittee providing there is no exceedance of any specific emission control regulation or any ambient air quality standard. A revised air pollutant emission notice (APEN) and application form must be submitted with a request for a permit revision. (Reference: Regulation Number 3, Part B, Section II.A.4.)

2) This source is subject to the Common Provisions Regulation Part II, Subpart E, Affirmative Defense Provision for Excess Emissions During Malfunctions. The permittee must notify the Division of any malfunction condition which causes a violation of any emission limit or limits stated in this permit as soon as possible, but no later than noon of the next working day, followed by written notice to the Division addressing all of the criteria set forth in Part II.E.1. of the Common Provisions Regulation.

3) The following emissions of non-criteria reportable air pollutants are estimated based upon the process limits as indicated in this permit. This information is listed to inform the operator of the Division's analysis of the specific compounds emitted if the source(s) operate at the permitted limitations.

4) The emission levels contained in this permit are based on the following emission factors:

Emission Factors for AIRS Points 001-014:

% Load	25%	50%	75%	100%	Units	Source
Fuel consumption	78.0	137.2	198.8	241.8	gallons/hour	Manufacturer
NO_x Emission Factor	0.1674	0.1600	0.1532	0.2741	pounds/gallon	Manufacturer
CO Emission Factor	0.1063	0.0483	0.0344	0.0137	pounds/gallon	Manufacturer
VOC Emission Factor	0.0399	0.0232	0.0169	0.0144	pounds/gallon	Manufacturer

*Calculated fuel consumption is rounded up to the next highest load %. Emission factors are rounded up or down to the higher of the two loads. If no load % is recorded, emissions are calculated as worst case scenario for each pollutant (75% load for CO and 100% load for NOx).

Sample Calculation:

One generator engine runs at 33% load for 1.3 hours.

Emission rate = (Fuel consumption) × (Hours) × (Emission factor)

Where:

Fuel consumption = load-specific fuel consumption in gallons per hour

Hours = time running at that specific load in hours (recorded on hour meter)

Emission factor = given by the table above in pounds per gallon

CO emissions = 137.2 gallons/hour × 1.3 hours × 0.0483 pounds/gallon = 8.61 pounds

NO_x emissions = 137.2 gallons/hour × 1.3 hours × 0.1600 pounds/gallon = 28.54 pounds

VOC emissions = 137.2 gallons/hour × 1.3 hours × 0.0232 pounds/gallon = 4.14 pounds

5) The following equipment is currently exempt from construction permitting requirements and/or APEN reporting requirements based on information provided by the operator for the Division's analysis:

AIRS Point	Facility Equipment ID	Status	Description	Notes
-	CT01-CT05	APEN-exempt, permit-exempt	Five (5) Cooling Towers. Water circulation rate of 4,025 gallons per minute.	This unit is exempt from APEN reporting requirements because the emissions are below APEN reporting levels.

6) In accordance with C.R.S. 25-7-114.1, each Air Pollutant Emission Notice (APEN) associated with this permit is valid for a term of five (5) years from the date it was received by the Division. A revised APEN must be submitted no later than thirty (30) days before the five-year term expires. Please refer to the most recent annual fee invoice to determine the APEN expiration date for each emissions point associated with this permit. For any questions regarding a specific expiration date call the Division at (303)-692-3150.

7) This facility is classified as follows:

Applicable Requirement	Status
Operating Permit	Synthetic Minor Source: NO_x
PSD	Minor Source
NANSR	Synthetic Minor Source: NO_x

8) These engine is subject to 40 CFR Part 63, Subpart ZZZZ - **National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines (Federally enforceable only)**. A copy of the complete subpart is available at the Code of Federal Regulations Website. All initial notifications, compliance demonstrations, and required documentation should be submitted directly to U.S. EPA Region 8, and copies sent to the Colorado Air Pollution Control Division.

9) Full text of the Title 40, Protection of Environment Electronic Code of Federal Regulations can be found at the Code of Federal Regulations Website.

Part 60: Standards of Performance for New Stationary Sources

Regulation Type	CFR Citation	Subpart Name
NSPS	60.4200 – 60.4219	Subpart IIII

Part 63: National Emission Standards for Hazardous Air Pollutants for Source Categories

Regulation Type	CFR Citation	Subpart Name
MACT	63.6580-63.6675	Subpart ZZZZ

10) These engines must be used for emergency purposes only. If any engine is to be used for any non-emergency purpose (demand response, peak shaving, base power, etc.), the source must submit a new Air Pollutant Emission Notice (APEN) and must meet the NSPS Subpart IIII Tier 4 Standards. (Reference: NSPS Subpart IIII, §60.4211(f) and Regulation Number 3, Part A, Section II.A.)

11) Manufacturer's certification of compliance with the New Source Performance Standards Subpart IIII was submitted with the original application for this permit.

12) The permit holder is required to pay fees for the processing time for this permit. An invoice for these fees will be issued after the permit is issued. Failure to pay the invoice will result in revocation of this permit. The permit holder must pay the invoice within thirty (30) days of receipt of the invoice. (Reference: Regulation Number 3, Part A, Section VI.B.)

13) Unless specifically stated otherwise, the general and specific conditions contained in this permit have been determined by the Division to be necessary to assure compliance with the provisions of Section 25-7-114.5(7)(a), C.R.S.

14) Each and every condition of this permit is a material part hereof and is not severable. Any challenge to or appeal of a condition hereof must constitute a rejection of the entire permit and upon such occurrence, this permit must be deemed denied ab initio. This permit may be revoked at any time prior to self-certification and final authorization by the Division on grounds set forth in the Colorado Air Pollution Prevention and Control Act and regulations of the AQCC including failure to meet any express term or condition of the permit. If the Division denies a permit, conditions imposed upon a permit are contested by the applicant, or the Division revokes a permit, the applicant or owner or operator of a source may request a hearing before the AQCC for review of the Division's action. (Reference: Regulation Number 3, Part B, Section III.F.)

15) Section 25-7-114.7(2)(a), C.R.S. requires that all sources required to file an Air Pollutant Emission Notice (APEN) must pay an annual emission fee. If a source or activity is to be discontinued, the owner must notify the Division in writing requesting a cancellation of the permit. Upon notification, annual fee billing will terminate.

16) Violation of the terms of a permit or of the provisions of the Colorado Air Pollution Prevention and Control Act or the regulations of the AQCC may result in administrative, civil or criminal enforcement actions under Sections 25-7-115 (enforcement), -121 (injunctions), -122 (civil penalties), -122.1 (criminal penalties), C.R.S.

ATTACHMENT A:

ALTERNATIVE OPERATING SCENARIOS

STATIONARY (CI) ENGINE

October 1, 2011

The current AOS requirements have been included as per below. AOS requirements can change based on new/modified regulations or changes to the facility status. The permittee must comply with the appropriate AOS requirements contained in the most recently issued version of PS-Memo 11-04, available on the Division's website, which may be different than the requirements below.

1. Alternative Operating Scenarios

The following Alternative Operating Scenario (AOS) for the temporary and permanent replacement of Stationary (CI) engines has been reviewed in accordance with the requirements of Regulation Number 3, Part A, IV.A, Operational Flexibility – Alternative Operating Scenarios, Regulation Number 3, Part B, Construction Permits, and Regulation Number 3, Part D, Major Stationary Source New Source Review and Prevention of Significant Deterioration, and it has been found to meet all applicable substantive and procedural requirements. This permit incorporates and must be considered a Construction Permit for any engine replacement performed in accordance with this AOS, and the owner or operator must be allowed to perform such engine replacement without applying for a revision to this permit or obtaining a new Construction Permit.

1.1. Engine Replacement

The following AOS is incorporated into this permit in order to deal with an engine breakdown or periodic routine maintenance and repair of an existing onsite engine that requires the use of either a temporary or permanent replacement engine. “Temporary” is defined as in the same service for ninety (90) operating days or less in any 12-month period. “Permanent” is defined as in the same service for more than 90 operating days in any 12-month period. The 90 days is the total number of days that the engine is in operation. If the engine operates only part of a day, that day must count as a single day towards the 90-day total. The compliance demonstrations and any periodic monitoring required by this AOS are in addition to any compliance demonstrations or periodic monitoring required by this permit.

All replacement engines are subject to all federally applicable and state-only requirements set forth in this permit (including monitoring and record keeping).

The results of all tests and the associated calculations required by this AOS must be submitted to the Division within sixty (60) days. Results of all tests must be kept on site for five (5) years and made available to the Division upon request.

The owner or operator must maintain a log on-site and contemporaneously record the start and stop date of any engine replacement, the manufacturer, date of manufacture, model number, horsepower, and serial number of the engine(s) that are replaced during the term of this permit, and the manufacturer, model number, horsepower, and serial number of the replacement engine.

1.1.1. The owner or operator may **temporarily** replace an existing engine that is covered by this permit with a different engine without modifying this permit, so long as the temporary replacement engine complies with all permit limitations and other requirements applicable to the existing engine. Calculation of emissions from the temporary replacement engine must be made as set forth in section 1.1.3.

1.1.2. An Air Pollutant Emissions Notice (APEN) that includes the specific manufacturer, model and serial number and horsepower of the permanent replacement engine must be filed with the Division for the permanent replacement engine within fourteen (14) calendar days of commencing operation of the replacement engine. The APEN must be accompanied by the appropriate APEN filing fee, a cover letter explaining that the owner or operator is exercising an alternative operating scenario and is installing a permanent replacement engine and an analysis of any new applicable requirements for the replacement engine as required by Condition 1.2. This submittal must be accompanied by a certification from the Responsible Official indicating that "based on the information and belief formed after reasonable inquiry, the statements and information included in the submittal are true, accurate and complete".

This AOS cannot be used for permanent engine replacement of a grandfathered or permit exempt engine or an engine that is not subject to emission limits.

The owner or operator must agree to pay fees based on the normal permit processing rate for review of information submitted to the Division in regard to any permanent engine replacement.

1.1.3. Compliance of the replacement engine with the applicable emission limitations of the original engine must be monitored by one of the following methods:

1) Manufacturer certified emission factors showing compliance.

2) Stack tests of same make and model showing compliance. This would only be considered if the test was done under similar conditions to Colorado (i.e. at altitude).

3) Stack tests on the engine.

1.2. Applicable Regulations for Permanent Engine Replacements

1.2.1. NSPS for stationary compression ignition internal combustion engines: 40 CFR Part 60, Subpart IIII.

A permanent replacement engine that is ordered after July 11, 2005 and manufactured after April 1, 2006 or is modified or reconstructed after July 11, 2005 is subject to the requirements of 40 CFR Part 60, Subpart IIII. An analysis of applicable monitoring, recordkeeping, and reporting requirements for the permanent engine replacement must be included in any request for a permanent engine replacement.

Note that under the provisions of Regulation Number 6, Part B, I.B. that Relocation of a source from outside of the State of Colorado into the State of Colorado is considered to be a new source, subject to the requirements of Regulation Number 6 (i.e., the date that the source is first relocated to Colorado becomes equivalent to the date of manufacture for purposes of determining the applicability of NSPS IIII requirements).

1.2.2. MACT for Stationary Reciprocating Internal Combustion Engines: 40 CFR Part 63, Subpart ZZZZ.

Any permanent replacement engine located at either an area or major source of hazardous air pollutants is subject to the requirements of 40 CFR Part 63, Subpart ZZZZ. An analysis of applicable monitoring, recordkeeping, and reporting requirements for the permanent engine replacement must be included in any request for a permanent engine replacement.

1.3. Additional Sources

The replacement of an existing engine with a new engine is viewed by the Division as the installation of a new emissions unit, not “routine replacement” of an existing unit. The AOS is therefore essentially an advanced construction permit review. The AOS cannot be used for additional new emission points for any site; an engine that is being installed as an entirely new emission point and not as part of an AOS-approved replacement of an existing onsite engine has to go through the appropriate Construction/Operating permitting process prior to installation.

ATTACHMENT B:

FACILITY AMBIENT AIR BOUNDARY