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OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

MEMORANDUM **October 9, 2025**

TO: Lee Warden, P.E., Permits and Engineering Group Manager

THROUGH: Richard Kienlen, P.E., Engineering Manager, New Source Permits Section

THROUGH: Alexandria Mills, E.I., Engineering Section

FROM: Jennie Doan, E.I., Engineering Section, ROAT

SUBJECT: Evaluation of Permit Application No. **2025-0466-C**
Core Scientific, Inc.
Core Scientific MSK1 & MSK2 (SIC 7374/NAICS 518210)
Facility ID: 24887
Latitude: 35.69694°N, Longitude: 95.38558°W
Section 15, Township 14N, Range 18E, Muskogee County, Oklahoma
Directions: 1525 West Smith Ferry Road, Muskogee OK 74401

SECTION I. INTRODUCTION

Core Scientific, Inc.(Applicant) has applied for an individual minor source construction permit for their Core Scientific MSK1 & MSK2 facility. This facility will be a newly constructed facility.

Facility-wide potential emissions are estimated to be 1,384.01 TPY of NO_X, 94.90 TPY of CO, 29.32 TPY of VOC, 13.15 TPY of PM_{10}, and 0.92 TPY HAPs. However, the facility requested facility-wide cap limits under a major source threshold of 100 TPY for regulated pollutants and the HAP emissions are below the 10 TPY threshold for a single HAP and below the 25 TPY threshold for any combination of HAPs. This facility, therefore, qualifies for a "synthetic minor" permit.

SECTION II. PROCESS DESCRIPTION

The facility is a data center that engages in processing and storing data and application on servers. Emissions sources at the site will include 102 diesel-fired emergency generators and associated diesel belly tanks, which will provide backup power to the facility in case of an emergency.

SECTION III. EQUIPMENT

The following is a list of current equipment at this facility.

EU	Description	Size/Rating	Manufacturing/ Const. Date
GEN-PF-1A-01	Cummins C3000D6EB	3,391-HP	8/2025
GEN-PF-1A-02	Cummins C3000D6EB	3,391-HP	8/2025
GEN-PF-1A-03	Cummins C3000D6EB	3,391-HP	8/2025
GEN-PF-1A-04	Cummins C3000D6EB	3,391-HP	9/2025
GEN-PF-1A-05	Cummins C3000D6EB	3,391-HP	9/2025
GEN-PF-1A-06	Cummins C3000D6EB	3,391-HP	9/2025
GEN-PF-1A-07	Cummins C3000D6EB	3,391-HP	9/2025
GEN-PF-1A-08	Cummins C3000D6EB	3,391-HP	9/2025
GEN-PF-1A-09	Cummins C3000D6EB	3,391-HP	9/2025
GEN-PF-1A-10	Cummins C3000D6EB	3,391-HP	9/2025
GEN-PF-1A-11	Cummins C3000D6EB	3,391-HP	9/2025
GEN-PF-1A-12	Cummins C3000D6EB	3,391-HP	9/2025
GEN-PF-1A-13	Cummins C3000D6EB	3,391-HP	9/2025
GEN-PF-1A-14	Cummins C3000D6EB	3,391-HP	10/2025
GEN-PF-1B-01	Cummins C3000D6EB	3,391-HP	10/2025
GEN-PF-1B-02	Cummins C3000D6EB	3,391-HP	10/2025
GEN-PF-1B-03	Cummins C3000D6EB	3,391-HP	10/2025
GEN-PF-1B-04	Cummins C3000D6EB	3,391-HP	10/2025
GEN-PF-1B-05	Cummins C3000D6EB	3,391-HP	10/2025
GEN-PF-1B-06	Cummins C3000D6EB	3,391-HP	10/2025
GEN-PF-1B-07	Cummins C3000D6EB	3,391-HP	10/2025
GEN-PF-1B-08	MTU 20V400G94S DS3000	4,680-HP	2/2025
GEN-PF-1B-09	MTU 20V400G94S DS3000	4,680-HP	8/2025
GEN-PF-1B-10	MTU 20V400G94S DS3000	4,680-HP	8/2025
GEN-PF-1B-11	MTU 20V400G94S DS3000	4,680-HP	8/2025
GEN-PF-1B-12	MTU 20V400G94S DS3000	4,680-HP	8/2025
GEN-PF-1B-13	MTU 20V400G94S DS3000	4,680-HP	2/2025
GEN-PF-1B-14	MTU 20V400G94S DS3000	4,680-HP	2/2025
GEN-PF-1C-01	MTU 20V400G94S DS3000	4,680-HP	2/2025
GEN-PF-1C-02	MTU 20V400G94S DS3000	4,680-HP	2/2025
GEN-PF-1C-03	MTU 20V400G94S DS3000	4,680-HP	2/2025
GEN-PF-1C-04	MTU 20V400G94S DS3000	4,680-HP	2/2025
GEN-PF-1C-05	MTU 20V400G94S DS3000	4,680-HP	3/2025
GEN-PF-1C-06	MTU 20V400G94S DS3000	4,680-HP	3/2025
GEN-PF-1C-07	MTU 20V400G94S DS3000	4,680-HP	4/2025
GEN-PF-1C-08	MTU 20V400G94S DS3000	4,680-HP	4/2025
GEN-MB-1A-01	MTU 20V400G94S DS3000	4,680-HP	8/2025
GEN-MB-1A-02	MTU 20V400G94S DS3000	4,680-HP	8/2025
GEN-MB-1A-03	MTU 20V400G94S DS3000	4,680-HP	8/2025
GEN-MB-1A-04	MTU 20V400G94S DS3000	4,680-HP	5/2025
GEN-MB-1A-05	MTU 20V400G94S DS3000	4,680-HP	5/2025
GEN-MB-1A-06	MTU 20V400G94S DS3000	4,680-HP	5/2025

EU	Description	Size/Rating	Manufacturing/ Const. Date
GEN-MB-1A-07	MTU 20V400G94S DS3000	4,680-HP	5/2025
GEN-MF-1A-01	MTU 20V400G94S DS3000	4,680-HP	6/2025
GEN-MF-1A-02	MTU 20V400G94S DS3000	4,680-HP	6/2025
GEN-MF-1A-03	MTU 20V400G94S DS3000	4,680-HP	6/2025
GEN-MF-1A-04	MTU 20V400G94S DS3000	4,680-HP	6/2025
GEN-MF-1A-05	MTU 20V400G94S DS3000	4,680-HP	7/2025
GEN-MF-1A-06	MTU 20V400G94S DS3000	4,680-HP	7/2025
GEN-MF-1A-07	MTU 20V400G94S DS3000	4,680-HP	7/2025
GEN-AD-A	CAT D1000 GC	1,483-HP	TBD
GEN-PF-2A-01	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2A-02	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2A-03	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2A-04	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2A-05	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2A-06	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2A-07	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2A-08	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2A-09	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2A-10	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2A-11	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2A-12	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2A-13	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2A-14	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2B-01	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2B-02	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2B-03	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2B-04	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2B-05	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2B-06	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2B-07	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2B-08	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2B-09	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2B-10	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2B-11	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2B-12	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2B-13	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2B-14	Cummins C3000D6EB	3,391-HP	TBD
GEN-MB-2A-01	Cummins C3000D6EB	3,391-HP	TBD
GEN-MB-2A-02	Cummins C3000D6EB	3,391-HP	TBD
GEN-MB-2A-03	Cummins C3000D6EB	3,391-HP	TBD
GEN-MB-2A-04	Cummins C3000D6EB	3,391-HP	TBD
GEN-MB-2A-05	Cummins C3000D6EB	3,391-HP	TBD

EU	Description	Size/Rating	Manufacturing/ Const. Date
GEN-MB-2A-06	Cummins C3000D6EB	3,391-HP	TBD
GEN-MB-2A-07	Cummins C3000D6EB	3,391-HP	TBD
GEN-MF-2A-01	Cummins C3000D6EB	3,391-HP	TBD
GEN-MF-2A-02	Cummins C3000D6EB	3,391-HP	TBD
GEN-MF-2A-03	Cummins C3000D6EB	3,391-HP	TBD
GEN-MF-2A-04	Cummins C3000D6EB	3,391-HP	TBD
GEN-MF-2A-05	Cummins C3000D6EB	3,391-HP	TBD
GEN-MF-2A-06	Cummins C3000D6EB	3,391-HP	TBD
GEN-MF-2A-07	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2C-01	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2C-02	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2C-03	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2C-04	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2C-05	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2C-06	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2C-07	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2C-08	Cummins C3000D6EB	3,391-HP	TBD
GEN-AD-B	CAT D1000GC	1,483-HP	TBD
TANK-PF-1A-01	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1A-02	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1A-03	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1A-04	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1A-05	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1A-06	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1A-07	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1A-08	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1A-09	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1A-10	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1A-11	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1A-12	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1A-13	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1A-14	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1B-01	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1B-02	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1B-03	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1B-04	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1B-05	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1B-06	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK-PF-1B-07	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK-PF-1B-08	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-PF-1B-09	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-PF-1B-10	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025

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TANK-PF-1B-11	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-PF-1B-12	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-PF-1B-13	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-PF-1B-14	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-PF-1C-01	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-PF-1C-02	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-PF-1C-03	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-PF-1C-04	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-PF-1C-05	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-PF-1C-06	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-PF-1C-07	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-PF-1C-08	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MB-1A-01	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MB-1A-02	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MB-1A-03	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MB-1A-04	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MB-1A-05	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MB-1A-06	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MB-1A-07	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MF-1A-01	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MF-1A-02	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MF-1A-03	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MF-1A-04	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MF-1A-05	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MF-1A-06	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MF-1A-07	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-AD-A	CAT D1000 GC Belly Tank	2,100-gal	8/2025
TANK-PF-2A-01	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2A-02	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2A-03	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2A-04	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2A-05	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2A-06	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2A-07	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2A-08	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2A-09	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2A-10	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2A-11	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2A-12	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2A-13	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2A-14	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2B-01	Cummins C3000D6EB Belly Tank	4,015-gal	TBD

EU	Description	Size/Rating	Manufacturing/ Const. Date
TANK-PF-2B-02	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2B-03	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2B-04	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2B-05	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2B-06	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2B-07	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2B-08	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2B-09	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2B-10	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2B-11	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2B-12	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2B-13	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2B-14	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-MB-2A-01	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-MB-2A-02	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-MB-2A-03	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-MB-2A-04	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-MB-2A-05	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-MB-2A-06	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-MB-2A-07	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-MF-2A-01	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-MF-2A-02	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-MF-2A-03	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-MF-2A-04	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-MF-2A-05	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-MF-2A-06	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-MF-2A-07	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2C-01	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2C-02	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2C-03	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2C-04	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2C-05	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2C-06	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2C-07	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2C-08	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-AD-B	CAT D1000GC Belly Tank	2,100-gal	TBD

SECTION IV. EMISSIONS

Unless otherwise stated emissions are based on 8,760 hours per year (hr/yr) of operation.

ENGINES

For the diesel-fired emergency engines, the emission factors for NO_X, CO, and VOC are obtained from manufacturer data with the assumption that engines operate at 100% load. The emission factors for formaldehyde and other HAPs are obtained from AP-42 (4/25), Tables 3.4-2 and 3.4-3. PM_{10} emissions are based on the sum of filterable PM_{10}, which is estimated using manufacturer data, and condensable PM, which is based on AP-42 (4/25), Section 3.4, Table 3.4-2. SO_2 emissions are based on maximum allowable sulfur content of 0.0015% by weight. Engine emissions are based on 500 hr/yr.

Engine Operating Parameters

Parameter	MTU Engine	Cummins Engine	CAT D1000GC Engine
Capacity, HP (kW)	4,680 (3,490)	3,391	1,483
Fuel Consumption, MMBTUH	30.6	25.2	9.8
No. of Engines	29	71	2

Engine Emission Factors

Pollutant	MTU Engine	Cummins Engine	CAT D1000GC Engine
NO_X	8.03 g/kW-hr[(1)]	6.99 g/hp-hr[(1)]	5.97 g/hp-hr[(1)]
CO	1.22 g/kW-hr[(1)]	0.20 g/hp-hr[(1)]	0.24 g/hp-hr[(1)]
VOC	0.24 g/kW-hr[(1)]	0.12 g/hp-hr[(1)]	0.02g/hp-hr[(1)]
Filterable PM_{10}	0.094 g/kW-hr[(1)]	0.02 g/hp-hr[(1)]	0.04 g/hp-hr[(1)]
Condensable PM_{10}	7.70E-03 lb/MMBTU	7.70E-03 lb/MMBTU	7.70E-03 lb/MMBTU
SO_2	1.52E-03 lb/MMBTU	1.52E-03 lb/MMBTU	1.52E-03 lb/MMBTU
HAP			
Acetaldehyde	2.52E-05 lb/MMBTU	2.52E-05 lb/MMBTU	2.52E-05 lb/MMBTU
Acrolein	7.88E-06lb/MMBTU	7.88E-06lb/MMBTU	7.88E-06lb/MMBTU
Benzene	7.76E-04 lb/MMBTU	7.76E-04 lb/MMBTU	7.76E-04 lb/MMBTU
H_2CO	7.89E-05 lb/MMBTU	7.89E-05 lb/MMBTU	7.89E-05 lb/MMBTU
Toluene	2.81E-04 lb/MMBTU	2.81E-04 lb/MMBTU	2.81E-04 lb/MMBTU
Xylene	1.93E-04 lb/MMBTU	1.93E-04 lb/MMBTU	1.93E-04 lb/MMBTU

(1) These emission factors are based on 100% load data from the manufacturer specification.

Engine Emissions (per engine)

Pollutant	MTU Engine		Cummins Engine		CAT D1000GC Engine	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
NO_X	61.73	15.43	52.21	13.05	19.50	4.88

Pollutant	MTU Engine		Cummins Engine		CAT D1000GC Engine	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
CO	9.38	2.34	1.49	0.37	0.78	0.20
VOC	1.84	0.46	0.90	0.22	0.07	0.02
PM_{10}	0.96	0.24	0.34	0.09	0.21	0.05
SO_2	4.65E-02	1.16E-02	3.83E-02	9.58E-03	1.49E-02	3.72E-03
HAP						
Acetaldehyde	7.71E-04	1.93E-04	6.35E-04	1.59E-04	2.47E-04	6.17E-05
Acrolein	2.41E-04	6.03E-05	1.99E-04	4.96E-05	7.72E-05	1.93E-05
Benzene	2.37E-02	5.94E-03	1.96E-02	4.89E-03	7.60E-03	1.90E-03
H_2CO	2.41E-03	6.04E-04	1.99E-03	4.97E-04	7.73E-04	1.93E-04
Toluene	8.60E-03	2.15E-03	7.08E-03	1.77E-03	2.75E-03	6.88E-04
Xylene	5.91E-03	1.48E-03	4.86E-03	1.22E-03	1.89E-03	4.73E-04

Total Engine Emissions

Pollutant	MTU Engines	Cummins Engines	CAT D1000GC Engines	Total Emissions
	TPY	TPY	TPY	TPY
NO_X	447.53	926.72	9.76	**1,384.01**
CO	67.99	26.52	0.39	**94.90**
VOC	13.38	15.91	0.03	**29.32**
PM_{10}	6.95	6.10	0.10	**13.15**
SO_2	0.34	0.68	7.45E-03	**1.02**
HAP				
Acetaldehyde	0.01	0.01	1.23E-04	**0.02**
Acrolein	1.75E-03	3.52E-03	3.86E-05	**0.01**
Benzene	0.17	0.35	3.80E-03	**0.52**
H_2CO	0.02	0.04	3.87E-04	**0.05**
Toluene	0.06	0.13	1.38E-03	**0.19**
Xylene	0.04	0.09	9.46E-04	**0.13**

TANKS

Working and breathing emissions from the diesel belly tanks are estimated using US EPA's TANKS5.1 and the listed throughput.

Tank Emissions

Parameter	Cummins Tanks Data	MTU Tanks Data	CAT Tanks Data
No. of Tanks	29	71	2
Tank Capacity, gal	4,015	4,968	2,100
Throughput, gal/year	5,781	7,014	2,246
Contents	Petroleum Liquid	Petroleum Liquid	Petroleum Liquid
Working/Breathing Method/Tool	EPA TANKS5.1	EPA TANKS5.1	EPA TANKS5.1
Control Type	None	None	None

Parameter	Cummins Tanks Data	MTU Tanks Data	CAT Tanks Data
Working VOC Emissions per Tank, TPY	7.70E-04	3.50E-04	4.15E-04
Breathing VOC Emissions per Tank, TPY	8.00E-05	7.50E-05	3.00E-05
W/B VOC Emissions per Tank, TPY	8.50E-04	4.25E-04	4.45E-04
Total VOC Emissions, TPY	**0.06**		

FACILITY-WIDE EMISSIONS

EU	Description	NO_X	CO	VOC	PM_{10}	SO_2	HAP
		TPY	TPY	TPY	TPY	TPY	TPY
Engines	102 Emergency Engines	1,384.01	94.90	29.32	13.15	1.02	0.92
Tanks	102 Diesel Tanks	-	-	0.06	-	-	-
Total Emissions, TPY		**1,384.01**	**94.90**	**29.38**	**13.15**	**1.02**	**0.92**
Requested Emission Limits (1), (2)		**99.0**	**92.8**	**32.0**	**12.4**	**--**	**0.14**

(1) The facility has requested a facility-wide cap on NO_X, CO, VOC, PM_{10}, and HAPs. The facility will limit the hours of operation of the equipment to ensure compliance with the cap.

(2) Compliance with the NO_X, CO, and VOC cap shall be demonstrated by using the manufacturer's emission factors at various loads (i.e., 10, 25, 50, 75, 100%) times the hours of operation. Compliance with the PM_{10} and HAPs cap shall be demonstrated by using AP-42 factors at 100% load times the hours of operation.

HAP EMISSIONS

HAP Pollutant	Emissions, TPY
Acetaldehyde	0.02
Acrolein	0.01
Benzene	0.52
H_2CO	0.05
Toluene	0.19
Xylene	0.13
Totals	**0.92**

The total HAP emissions from the equipment at the facility are 0.92 TPY. Therefore, the individual and the total emissions of HAPs do not exceed the major source thresholds of 10/25 TPY.

SECTION V. OKLAHOMA AIR POLLUTION CONTROL RULES

OAC 252:100-1 (General Provisions) [Applicable]
Subchapter 1 includes definitions but there are no regulatory requirements.

OAC 252:100-2 (Incorporation by Reference) [Applicable]
This subchapter incorporates by reference applicable provisions of Title 40 of the Code of Federal Regulations. These requirements are addressed in the "Federal Regulations" section.

OAC 252:100-3 (Air Quality Standards and Increments) [Applicable]
Primary Standards are in Appendix E and Secondary Standards are in Appendix F of the Air Pollution Control Rules. At this time, all of Oklahoma is in attainment of these standards.

OAC 252:100-5 (Registration, Emissions Inventory and Annual Operating Fees) [Applicable]
Subchapter 5 requires sources of air contaminants to register with Air Quality, file emission inventories annually, and pay annual operating fees based upon total annual emissions of regulated pollutants. The owner/operator will be required to submit emissions inventories and pay the appropriate fees.

OAC 252:100-7 (Permits for Minor Facilities) [Applicable]
Subchapter 7 sets forth the permit application fees and the basic substantive requirements of permits for minor facilities. Since criteria pollutant emissions are less than 100 TPY for each pollutant, and emissions of HAP will not exceed 10 TPY for any one HAP, or 25 TPY for any aggregate of HAP, the facility is defined as a synthetic minor source.

OAC 252:100-9 (Excess Emissions Reporting Requirements) [Applicable]
Except as provided in OAC 252:100-9-7(a)(1), the owner or operator of a source of excess emissions shall notify the Director as soon as possible but no later than 4:30 p.m. the following working day of the first occurrence of excess emissions in each excess emission event. No later than thirty (30) calendar days after the start of any excess emission event, the owner or operator of an air contaminant source from which excess emissions have occurred shall submit a report for each excess emission event describing the extent of the event and the actions taken by the owner or operator of the facility in response to this event. Request for mitigation, as described in OAC 252:100-9-8, shall be included in the excess emission event report. Additional reporting may be required in the case of ongoing emission events and in the case of excess emissions reporting required by 40 CFR Parts 60, 61, or 63.

OAC 252:100-13 (Open Burning) [Applicable]
Open burning of refuse and other combustible material is prohibited except as authorized in the specific examples and under the conditions listed in this subchapter.

OAC 252:100-19 (Particulate Matter (PM)) [Not Applicable]
Section 19-4 regulates emissions of PM from new and existing fuel-burning equipment, with emission limits based on maximum design heat input rating. Fuel-burning equipment is defined in OAC 252:100-19 as any internal combustion engine or gas turbine, or other combustion device used to convert the combustion of fuel into usable energy. Appendix C specifies a PM emission limitation of 0.60 lb/MMBTU for all equipment at this facility with a heat input rating of 10 Million BTU per hour (MMBTUH) or less. For equipment with rated heat input greater than 10 but less than 1000 MMBTUH, the PM limit is calculated using the equation from OAC 252:100 Appendix C, which is listed below.

$$\mathbf{E = 1.0428080X^{(-0.238561)}}$$

All engines at this facility are uncontrolled diesel-fired engines. AP-42 (4/25), Section 3.4, Table 3.4-2 lists the total PM emissions to be 0.07 lb/MMBtu for large uncontrolled diesel-fired industrial

engines. Based on the potential PM factor, these engines are not expected to exceed the Appendix C PM limit. These engines are in compliance with this section. The permit requires the use of diesel fuel that meets the requirements of 40 CFR §1090.305.

EU	Description	Maximum Heat Input	Appendix C PM Limit	Potential PM
		MMBTUH	lb/MMBTU	lb/MMBTU
Engines	MTU Engine (each)	30.60	0.46	0.07
	Cummins Engine (each)	25.20	0.48	0.07
	CAT D1000GC Engine (each)	9.80	0.60	0.07

OAC 252:100-25 (Visible Emissions and Particulates) [Applicable]
No discharge of greater than 20% opacity is allowed except for short-term occurrences that consist of not more than one six-minute period in any consecutive 60 minutes, not to exceed three such periods in any consecutive 24 hours. In no case shall the average of any six-minute period exceed 60% opacity. Units subject to an opacity limit promulgated under section 111 of the Federal Clean Air Act are exempt from this section. The diesel-fired emergency generators are subject to the smoke opacity standards in 40 CFR §1039.105, therefore, all engines are exempt from this section.

OAC 252:100-29 (Fugitive Dust) [Applicable]
No person shall cause or permit the discharge of any visible fugitive dust emissions beyond the property line on which the emissions originate in such a manner as to damage or to interfere with the use of adjacent properties, or cause air quality standards to be exceeded, or interfere with the maintenance of air quality standards. Under normal operating conditions, this facility will not cause a problem in this area, therefore it is not necessary to require specific precautions to be taken.

OAC 252:100-31 (Sulfur Compounds) [Applicable]
Part 2 limits the ambient air concentration of hydrogen sulfide (H_2S) emissions from any facility to 0.2 ppm (24-hour average) at standard conditions which is equivalent to 283 $\mu g/m^3$. Fuel-burning equipment fired with pipeline natural gas will not have the potential to exceed the H_2S ambient air concentration limit. The diesel-fired engines are required to use diesel with a maximum sulfur content of 0.05% sulfur by weight.
Part 5 limits sulfur dioxide emissions from new fuel-burning equipment (constructed after July 1, 1972). For gaseous fuels the limit is 0.2 lb/MMBTU heat input, 3-hour average. For liquid fuels the limit is 0.8 lb/MMBTU. The diesel-fired emergency generators will use a fuel with a maximum sulfur content of 15 ppmw. This fuel will produce emissions of <0.01 lb/MMBTU. Therefore, the emergency generators are in compliance with this part.

OAC 252:100-33 (Nitrogen Oxides) [Not Applicable]
This subchapter limits NOx emissions from new fuel-burning equipment with rated heat input greater than or equal to 50 MMBTUH to emissions of 0.2 lb of NOx per MMBTU. None of the engines at this facility have heat input greater than or equal to 50 MMBTUH.

OAC 252:100-35 (Carbon Monoxide) [Not Applicable]
None of the following affected processes are located at this facility: gray iron cupola, blast furnace, basic oxygen furnace, petroleum catalytic cracking unit, or petroleum catalytic reforming unit. There are no affected sources.

OAC 252:100-37 (Volatile Organic Compounds) [Applicable]
Part 3 requires storage tanks constructed after December 28, 1974, with a capacity of 400 gallons or more and storing VOC with a vapor pressure above 1.5 psia to be equipped with a permanent submerged fill pipe or with an organic vapor recovery system. All tanks at this facility store petroleum liquid (diesel) that has vapor pressure less than 0.01 psia. Therefore, these tanks are not required to have submerged fill pipe, and thus, this facility is in compliance with this subchapter.
Part 3 requires loading facilities with a throughput equal to or less than 40,000 gallons per day to be equipped with a system for submerged filling tank trucks or trailers if the capacity of the vehicle is greater than 200 gallons. This facility does not have the physical equipment (loading arm and pump) to conduct this type of loading. Therefore, this requirement is not applicable.
Part 5 limits the organic solvent content of coating of parts and products. This facility will not normally conduct coating or painting operations except for routine maintenance of the facility and equipment, which is not an affected operation.
Part 7 requires fuel-burning and refuse-burning equipment to be operated to minimize emissions of VOC. The fuel-burning equipment at this location is subject to this requirement.
Part 7 requires effluent water separators, which receive water containing more than 200 gallons per day of any VOC, to be equipped with vapor control devices. There is no water effluent separator at this location.

OAC 252:100-42 (Toxic Air Contaminants (TAC)) [Applicable]
This subchapter regulates TAC that are emitted into the ambient air in areas of concern (AOC). Any work practice, material substitution, or control equipment required by the Department prior to June 11, 2004, to control a TAC, shall be retained, unless a modification is approved by the Director. Since no AOC has been designated there are no specific requirements for this facility at this time.

OAC 252:100-43 (Testing, Monitoring, and Recordkeeping) [Applicable]
This subchapter provides general requirements for testing, monitoring and recordkeeping and applies to any testing, monitoring or recordkeeping activity conducted at any stationary source. To determine compliance with emissions limitations or standards, the Air Quality Director may require the owner or operator of any source in the state of Oklahoma to install, maintain and operate monitoring equipment or to conduct tests, including stack tests, of the air contaminant source. All required testing must be conducted by methods approved by the Air Quality Director and under the direction of qualified personnel. A notice-of-intent to test and a testing protocol shall be submitted to Air Quality at least 30 days prior to any EPA Reference Method stack tests. Emissions and other data required to demonstrate compliance with any federal or state emission limit or standard, or any requirement set forth in a valid permit shall be recorded, maintained, and submitted as required by this subchapter, an applicable rule, or permit requirement.

SECTION VI. FEDERAL REGULATIONS

NSPS, 40 CFR Part 60 [Subpart IIII Applicable]

Subparts Kb, Standards of Performance for Volatile Organic Liquid Storage Vessels. This subpart regulates storage vessels with a capacity greater than or equal to 75 m^3 (472 bbl or 19,184 gallons) that are used to store volatile organic liquids for which construction, reconstruction, or modification is commenced after July 23, 1984. All the storage tanks at this facility have a capacity less than the threshold, 19,813 gallons. This subpart is not applicable.

Subparts Kc, Standards of Performance for Volatile Organic Liquid Storage Vessels. This subpart regulates storage vessels with a capacity greater than or equal to 75.7 m^3 (20,000 gallons) that are used to store volatile organic liquids for which construction, reconstruction, or modification is commenced after October 4, 2023. All the storage tanks at this facility have a capacity less than the threshold, 19,813 gallons. This subpart is not applicable.

Subpart IIII, Stationary Compression Ignition Internal Combustion Engines. The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE) that are constructed (ordered) after July 11, 2005, and manufactured after April 1, 2006 (July 1, 2006, for fire pump engines).

All engines at this facility are CI engines and are subject to this subpart.

Emergency Engine Emission Standards

According to §60.4205(b), the 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in §60.4202, for all pollutants.

Per §60.4202(a)(2), for emergency engine with maximum engine less than or equal to 3,000-HP and a displacement of less than 10 liters per cylinder subject the emission standards specified in paragraphs (b)(1) through (2) of this section.

(2) engines with rated power greater than or equal to 50 HP must meet the Tier 2 or Tier 3 emission standards for new nonroad CI engines for same rated power as described in 40 CFR part 1039 Appendix I.

Per §60.4202(b), for emergency engine with maximum engine greater than or equal to 3,000 HP and a displacement of less than 10 liters per cylinder subject the emission standards specified in paragraphs (b)(1) through (2) of this section.

(2) For 2011 model year and later, the Tier 2 emission standards as described in 40 CFR part 1039, appendix I, for all pollutants and the smoke standards as specified in 40 CFR 1039.105.

Engines' Emission Standards

Engines	NO_X + NMHC	CO	PM
	g/kW-hr (g/hp-hr)	g/kW-hr (g/hp-hr)	g/kW-hr (g/hp-hr)
4,680-HP MTU Engine	6.4 (4.77)	3.5 (2.61)	0.20 (0.15)

Engines	NO_X + NMHC	CO	PM
	g/kW-hr (g/hp-hr)	g/kW-hr (g/hp-hr)	g/kW-hr (g/hp-hr)
3,391-HP Cummins Engine	6.4 (4.77)	3.5 (2.61)	0.20 (0.15)
1,483-HP CAT D1000GC Engine	6.4 (4.77)	3.5 (2.61)	0.20 (0.15)

The facility will comply with these emission standards by purchasing certified engines.

In addition to emission standards, these engines shall comply with the following requirements.

Requirement	Compliance Demonstration
Fuel	Per §60.4207, diesel-fired engine must use diesel fuel meet requirements under §1090.305. §1090.305 ULSD Standards. a) Maximum sulfur content of 15 ppm by weigh b) Minimum cetane index of 40 **or** maximum aromatic content of 35 volume percent.
Other	Per §60.4208 (i), §60.4208 requirements do not apply to owners or operators of stationary CI ICE that have been modified, reconstructed, and do not apply to engines that were removed from one existing location and reinstalled at a new location.
Monitoring	Per §60.4209(a), owner/operator of an emergency stationary CI internal combustion engine that does not meet the standards applicable to non-emergency engines, listed under §60.4201(c), owner/operator must install a non-resettable hour meter prior to startup of the engine.
Operating/Compliance	Per §60.4211(f)(1), there is no time limit on use of engine in emergency situation. Per §60.4211(f)(2), owner/operator may operate the emergency stationary ICE for the purpose specified in paragraph (f)(2)(i) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (f)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2). Per §60.4211(f)(3), for owner/operator of an emergency stationary CI engine is allowed to operate up to 50 hrs/yr in non-emergency situations, but the 50 hours are counted toward the 100 hrs/yr provided for maintenance and testing. Per §60.4214(b), if the stationary CI internal combustion engine is an emergency stationary internal combustion engine, the owner/ operator is not required to submit an initial notification. Starting with the model years in table 5 to this subpart, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the owner/operator must keep records of the operation of

Requirement	Compliance Demonstration
	the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time.
Testing	No testing is required if the owner/operator operate a certified engine.

NESHAP, 40 CFR Part 61 [Not Applicable]
There are no emissions of any of the regulated pollutants: arsenic, asbestos, beryllium, benzene, coke oven emissions, mercury, radionuclides or vinyl chloride except for benzene.
Subpart J, Equipment Leaks of Benzene, only affects process streams, which contain more than 10% benzene by weight. All process streams at this facility are below this threshold.

NESHAP, 40 CFR Part 63 [Subpart ZZZZ Applicable]
Subpart ZZZZ, Reciprocating Internal Combustion Engines (RICE). This subpart affects any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions. Owners and operators of new or reconstructed engines at area sources and of new or reconstructed engines with a site rating equal to or less than 500 HP located at a major source (except new or reconstructed 4-stroke lean-burn engines with a site rating greater than or equal to 250 HP and less than or equal to 500 HP located at a major source) must meet the requirements of Subpart ZZZZ by complying with either 40 CFR Part 60 Subpart IIII (for CI engines) or 40 CFR Part 60 Subpart JJJJ (for SI engines).

All the proposed engines are manufactured after June 12, 2006, and are considered new engines subject to this subpart. These engines are subject to NSPS Subpart IIII, and thus, these engines comply with this subpart by complying with the requirements of NSPS Subpart IIII.

SECTION VII. COMPLIANCE

Tier Classification
This application has been classified as **Tier I** based on the request for a minor source construction permit.

The draft permit will undergo public notice on the DEQ's web site as required in OAC 252:4-7-13(g). The public, tribal governments, and the EPA will have 30 days to comment on the draft permit. Permits available for public review and comment are found at Air Quality section of the DEQ Web page: https://oklahoma.gov/deq.html.

Landowner Affidavit
The applicant has submitted an affidavit that they are not seeking a permit for land use or for any operation upon land owned by others without their knowledge. The affidavit certifies that the applicant owned the land.

Inspection
No inspection is required for a construction permit application.

Fee Paid
A fee of $2,000 was been paid for a minor source construction permit on June 13, 2025.

SECTION VIII. SUMMARY

The facility has demonstrated the ability to comply with all applicable Air Quality rules and regulations. Ambient air quality standards are not threatened at this site. There are no active Air Quality compliance or enforcement issues concerning this facility. Issuance of the construction permit is recommended, contingent with the public review.

PERMIT TO CONSTRUCT
AIR POLLUTION CONTROL FACILITY
SPECIFIC CONDITIONS

Core Scientific, Inc. **Permit No. 2025-0466-C**
Core Scientific MSK1 & MSK2

The permittee is authorized to construct in conformity with the specifications submitted to the Air Quality Division on June 11, 2025. The Evaluation Memorandum dated October 9, 2025, explains the derivation of applicable permit requirements and estimates of emissions; however, it does not contain operating limitations or permit requirements. Commencing construction and continuing operations under this permit constitutes acceptance of, and consent to, the conditions contained herein:

1. Equipment and Points of Emissions:

EU	Description	Size/Rating	Manufacturing/ Const. Date
GEN-PF-1A-01	Cummins C3000D6EB	3,391-HP	8/2025
GEN-PF-1A-02	Cummins C3000D6EB	3,391-HP	8/2025
GEN-PF-1A-03	Cummins C3000D6EB	3,391-HP	8/2025
GEN-PF-1A-04	Cummins C3000D6EB	3,391-HP	9/2025
GEN-PF-1A-05	Cummins C3000D6EB	3,391-HP	9/2025
GEN-PF-1A-06	Cummins C3000D6EB	3,391-HP	9/2025
GEN-PF-1A-07	Cummins C3000D6EB	3,391-HP	9/2025
GEN-PF-1A-08	Cummins C3000D6EB	3,391-HP	9/2025
GEN-PF-1A-09	Cummins C3000D6EB	3,391-HP	9/2025
GEN-PF-1A-10	Cummins C3000D6EB	3,391-HP	9/2025
GEN-PF-1A-11	Cummins C3000D6EB	3,391-HP	9/2025
GEN-PF-1A-12	Cummins C3000D6EB	3,391-HP	9/2025
GEN-PF-1A-13	Cummins C3000D6EB	3,391-HP	9/2025
GEN-PF-1A-14	Cummins C3000D6EB	3,391-HP	10/2025
GEN-PF-1B-01	Cummins C3000D6EB	3,391-HP	10/2025
GEN-PF-1B-02	Cummins C3000D6EB	3,391-HP	10/2025
GEN-PF-1B-03	Cummins C3000D6EB	3,391-HP	10/2025
GEN-PF-1B-04	Cummins C3000D6EB	3,391-HP	10/2025
GEN-PF-1B-05	Cummins C3000D6EB	3,391-HP	10/2025
GEN-PF-1B-06	Cummins C3000D6EB	3,391-HP	10/2025
GEN-PF-1B-07	Cummins C3000D6EB	3,391-HP	10/2025
GEN-PF-1B-08	MTU 20V400G94S DS3000	4,680-HP	TBD
GEN-PF-1B-09	MTU 20V400G94S DS3000	4,680-HP	8/2025
GEN-PF-1B-10	MTU 20V400G94S DS3000	4,680-HP	8/2025
GEN-PF-1B-11	MTU 20V400G94S DS3000	4,680-HP	8/2025
GEN-PF-1B-12	MTU 20V400G94S DS3000	4,680-HP	8/2025

EU	Description	Size/Rating	Manufacturing/ Const. Date
GEN-PF-1B-13	MTU 20V400G94S DS3000	4,680-HP	TBD
GEN-PF-1B-14	MTU 20V400G94S DS3000	4,680-HP	TBD
GEN-PF-1C-01	MTU 20V400G94S DS3000	4,680-HP	TBD
GEN-PF-1C-02	MTU 20V400G94S DS3000	4,680-HP	TBD
GEN-PF-1C-03	MTU 20V400G94S DS3000	4,680-HP	TBD
GEN-PF-1C-04	MTU 20V400G94S DS3000	4,680-HP	TBD
GEN-PF-1C-05	MTU 20V400G94S DS3000	4,680-HP	TBD
GEN-PF-1C-06	MTU 20V400G94S DS3000	4,680-HP	TBD
GEN-PF-1C-07	MTU 20V400G94S DS3000	4,680-HP	TBD
GEN-PF-1C-08	MTU 20V400G94S DS3000	4,680-HP	TBD
GEN-MB-1A-01	MTU 20V400G94S DS3000	4,680-HP	8/2025
GEN-MB-1A-02	MTU 20V400G94S DS3000	4,680-HP	8/2025
GEN-MB-1A-03	MTU 20V400G94S DS3000	4,680-HP	8/2025
GEN-MB-1A-04	MTU 20V400G94S DS3000	4,680-HP	TBD
GEN-MB-1A-05	MTU 20V400G94S DS3000	4,680-HP	TBD
GEN-MB-1A-06	MTU 20V400G94S DS3000	4,680-HP	TBD
GEN-MB-1A-07	MTU 20V400G94S DS3000	4,680-HP	TBD
GEN-MF-1A-01	MTU 20V400G94S DS3000	4,680-HP	TBD
GEN-MF-1A-02	MTU 20V400G94S DS3000	4,680-HP	TBD
GEN-MF-1A-03	MTU 20V400G94S DS3000	4,680-HP	TBD
GEN-MF-1A-04	MTU 20V400G94S DS3000	4,680-HP	TBD
GEN-MF-1A-05	MTU 20V400G94S DS3000	4,680-HP	TBD
GEN-MF-1A-06	MTU 20V400G94S DS3000	4,680-HP	TBD
GEN-MF-1A-07	MTU 20V400G94S DS3000	4,680-HP	TBD
GEN-AD-A	CAT D1000 GC	1,483-HP	TBD
GEN-PF-2A-01	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2A-02	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2A-03	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2A-04	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2A-05	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2A-06	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2A-07	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2A-08	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2A-09	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2A-10	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2A-11	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2A-12	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2A-13	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2A-14	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2B-01	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2B-02	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2B-03	Cummins C3000D6EB	3,391-HP	TBD

EU	Description	Size/Rating	Manufacturing/ Const. Date
GEN-PF-2B-04	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2B-05	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2B-06	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2B-07	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2B-08	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2B-09	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2B-10	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2B-11	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2B-12	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2B-13	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2B-14	Cummins C3000D6EB	3,391-HP	TBD
GEN-MB-2A-01	Cummins C3000D6EB	3,391-HP	TBD
GEN-MB-2A-02	Cummins C3000D6EB	3,391-HP	TBD
GEN-MB-2A-03	Cummins C3000D6EB	3,391-HP	TBD
GEN-MB-2A-04	Cummins C3000D6EB	3,391-HP	TBD
GEN-MB-2A-05	Cummins C3000D6EB	3,391-HP	TBD
GEN-MB-2A-06	Cummins C3000D6EB	3,391-HP	TBD
GEN-MB-2A-07	Cummins C3000D6EB	3,391-HP	TBD
GEN-MF-2A-01	Cummins C3000D6EB	3,391-HP	TBD
GEN-MF-2A-02	Cummins C3000D6EB	3,391-HP	TBD
GEN-MF-2A-03	Cummins C3000D6EB	3,391-HP	TBD
GEN-MF-2A-04	Cummins C3000D6EB	3,391-HP	TBD
GEN-MF-2A-05	Cummins C3000D6EB	3,391-HP	TBD
GEN-MF-2A-06	Cummins C3000D6EB	3,391-HP	TBD
GEN-MF-2A-07	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2C-01	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2C-02	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2C-03	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2C-04	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2C-05	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2C-06	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2C-07	Cummins C3000D6EB	3,391-HP	TBD
GEN-PF-2C-08	Cummins C3000D6EB	3,391-HP	TBD
GEN-AD-B	CAT D1000GC	1,483-HP	TBD
TANK-PF-1A-01	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1A-02	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1A-03	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1A-04	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1A-05	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1A-06	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1A-07	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1A-08	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025

EU	Description	Size/Rating	Manufacturing/ Const. Date
TANK -PF-1A-09	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1A-10	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1A-11	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1A-12	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1A-13	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1A-14	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1B-01	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1B-02	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1B-03	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1B-04	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1B-05	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK -PF-1B-06	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK-PF-1B-07	Cummins C3000D6EB Belly Tank	4,015-gal	8/2025
TANK-PF-1B-08	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-PF-1B-09	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-PF-1B-10	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-PF-1B-11	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-PF-1B-12	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-PF-1B-13	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-PF-1B-14	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-PF-1C-01	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-PF-1C-02	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-PF-1C-03	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-PF-1C-04	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-PF-1C-05	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-PF-1C-06	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-PF-1C-07	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-PF-1C-08	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MB-1A-01	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MB-1A-02	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MB-1A-03	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MB-1A-04	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MB-1A-05	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MB-1A-06	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MB-1A-07	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MF-1A-01	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MF-1A-02	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MF-1A-03	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MF-1A-04	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MF-1A-05	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MF-1A-06	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025
TANK-MF-1A-07	MTU 20V400G94S DS3000 Belly Tank	4,968-gal	8/2025

EU	Description	Size/Rating	Manufacturing/ Const. Date
TANK-AD-A	CAT D1000 GC Belly Tank	2,100-gal	8/2025
TANK-PF-2A-01	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2A-02	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2A-03	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2A-04	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2A-05	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2A-06	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2A-07	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2A-08	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2A-09	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2A-10	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2A-11	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2A-12	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2A-13	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2A-14	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2B-01	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2B-02	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2B-03	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2B-04	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2B-05	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2B-06	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2B-07	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2B-08	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2B-09	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2B-10	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2B-11	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2B-12	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2B-13	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2B-14	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-MB-2A-01	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-MB-2A-02	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-MB-2A-03	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-MB-2A-04	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-MB-2A-05	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-MB-2A-06	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-MB-2A-07	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-MF-2A-01	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-MF-2A-02	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-MF-2A-03	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-MF-2A-04	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-MF-2A-05	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-MF-2A-06	Cummins C3000D6EB Belly Tank	4,015-gal	TBD

EU	Description	Size/Rating	Manufacturing/ Const. Date
TANK-MF-2A-07	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2C-01	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2C-02	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2C-03	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2C-04	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2C-05	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2C-06	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2C-07	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-PF-2C-08	Cummins C3000D6EB Belly Tank	4,015-gal	TBD
TANK-AD-B	CAT D1000GC Belly Tank	2,100-gal	TBD

2. Facility-wide emission limits: NO_X, CO, VOC, PM_{10}, and HAPs emissions from the facility shall be based on manufacture emission factors where available, current AP-42 factors, and hours of operation. Facility-wide emissions shall not exceed the emission limits shown in the table below. Compliance with the emission limits for NO_X, CO, VOC, PM_{10}, and HAPs from the facility shall be determined monthly, and be based on a 12-month rolling total.

Pollutant	Emission Limits
	TPY
NO_X	99.00
CO	92.80
VOC	32.00
PM_{10}	12.40
HAP	
Individual	1.00
Aggregated	5.00

3. Emissions from all engines at the facility will be limited by, and contribute to, the facility-wide cap for NO_X, CO, VOC, PM_{10}, and HAPs identified in Specific Condition No. 2.
    a. Each calendar month, the permittee shall calculate emissions of NO_X, CO, VOC, PM_{10}, and HAPs from each engine using the method outlined below:
    b. Permittee shall use the manufacturer's emission factors for NO_X, CO, and VOC at various loads (i.e., 10, 25, 50, 75, and 100%) for each engine for NO_X, CO, VOC. Permittee shall use AP-42 factors for PM_{10}, and HAPs, assuming at 100% loads. Each engine's load shall be continuously monitored and recorded. Calculations shall use the emission factors for the highest recorded load reached in any given operating hour times the hours of operation at that load interval.
    c. Each calendar month the permittee shall incorporate emissions from all engines into the 12-month rolling total emissions for NO_X, CO, VOC, PM_{10}, and HAPs. These emissions shall be summed with other emissions for determining compliance with the facility-wide cap.

4. All the engines shall be fueled with diesel as specified in §1090.305 containing no more than 15 ppmw sulfur and having either a minimum cetane index of 40 or a maximum aromatic content of 35%$_V$. Compliance can be shown by the supplier's latest delivery ticket(s). Compliance shall be demonstrated at least once every calendar year.

5. Each engine shall have permanent identification plates attached, which show the make, model number, and serial number.

6. Each engine shall be equipped with a non-resettable hour-meter.

7. The permittee shall keep records of operating hours (emergency and non-emergency) for each engine, monthly and 12-month rolling total.

8. The permittee shall be authorized to operate this facility continuously (24 hours per day, every day of the year, 8,760 hours).

9. Replacement of any equipment with emissions specified in this permit are authorized under OAC 252:100-7-15(a)(2)(C), provided the replacement unit does not require a change in any emission limit and the owner or operator notifies the DEQ in writing within fifteen (15) days of the startup of the replacement unit. The replacement unit shall meet the definition under OAC 252:100-7-1.1. Installation of an "affected facility," "affected source," or "new source" as those terms are defined in 40 CFR Section 60.2, 40 CFR Section 63.2, and 40 CFR Section 61.02, respectively, that is subject to an emission standard, equipment standard, work practice standard or recordkeeping requirement in a federal NSPS (40 CFR Part 60) or a federal NESHAP (40 CFR Parts 61 and 63) shall comply with all applicable requirements.

10. The permittee shall comply with all applicable standards and requirements of 40 CFR Part 60, NSPS Subpart IIII, for the diesel-fired emergency generator engines and fire pump engine including, but not necessarily limited to, the following.
    a. §60.4200 Am I subject to this subpart?
    b. §60.4201 What emission standards must I meet for non-emergency engines if I am a stationary CI internal combustion engine manufacturer?
    c. §60.4202 What emission standards must I meet for emergency engines if I am a stationary CI internal combustion engine manufacturer?
    d. §60.4203 How long must my engines meet the emission standards if I am a manufacturer of stationary CI internal combustion engines?
    e. §60.4204 What emission standards must I meet for non-emergency engines if I am an owner or operator of a stationary CI internal combustion engine?
    f. §60.4205 What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?
    g. §60.4206 How long must I meet the emissions standards if I am an owner or operator of a stationary SI internal combustion engine?
    h. §60.4207 What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?
    i. §60.4208 What is the deadline for importing or installing stationary CI ICE produced in the previous model year?

j. §60.4209 What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?
k. §60.4210 What are my compliance requirements if I am a stationary CI internal combustion engine manufacturer?
l. §60.4211 What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?
m. §60.4212 What test methods and other procedures must I use if I am an owner or operator of a stationary CI internal combustion engine with a displacement of less than 30 liters per cylinder?
n. § 60.4213 What test methods and other procedures must I use if I am an owner or operator of a stationary CI internal combustion engine with a displacement of greater than or equal to 30 liters per cylinder?
o. §60.4214 What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?
p. §60.4215 What requirements must I meet for engines used in Guam, American Samoa, or the Commonwealth of the Northern Mariana Islands?
q. §60.4216 What requirements must I meet for engines used in Alaska?
r. §60.4217 What emission standards must I meet if I am an owner or operator of a stationary internal combustion engine using special fuels?
s. §60.4218 What parts of the General Provisions apply to me?
t. §60.4219 What definitions apply to this subpart?

11. The permittee shall comply with all applicable standards and requirements of 40 CFR Part 63, NESHAP Subpart ZZZZ, National Emissions Standards for Hazardous air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE), including, but not limited to, the following.

a. §63.6580 What is the purpose of subpart ZZZZ?
b. §63.6585 Am I subject to this subpart?
c. §63.6590 What parts of my plant does this subpart cover?
d. §63.6595 When do I have to comply with this subpart?
e. §63.6600 What emission limitations must I meet if I own or operate a stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions?
f. §63.6601 What emission limitations must I meet if I own or operate a new or reconstructed 4SLB with a site rating of greater or equal to 250 brake HP and less than or equal to 500 brake HP located at a major source of HAP emissions?
g. §63.6602 What emission limitations must I meet if I own or operate an existing stationary RICE with a site rating of equal or less than 500 brake HP located at an area source of HAP emissions?
h. §63.6603 What emission limitations and operating limitations must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?
i. §63.6604 What fuel requirements must I meet if I own or operate a stationary CI RICE?
j. §63.6605 What are my general requirements for complying with this subpart?
k. §63.6610 By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operating a stationary RICE with a site rating of more than 500 brake HP located at an area source of HAP emissions?

l. §63.6611 By wat date must I conduct the initial performance tests or other initial compliance demonstration if I own or operate an existing stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions?
m. §63.6612 By wat date must I conduct the initial performance tests or other initial compliance demonstration if I own or operate a new or reconstructed 4SLB SI stationary RICE with a site rating of greater than or equal to 250 and less than or equal to 500 brake HP located at a major source of HAP emissions?
n. §63.6615 When must I conduct subsequent performance tests?
o. §63.6620 What performance tests and other procedures must I use?
p. §63.6625 What are my monitoring, installation, operation, and maintenance requirements?
q. §63.6630 How do I demonstrate initial compliance with the emission limitations, operating limitations, and other requirements?
r. §63.6635 How do I monitor and collect data to demonstrate continuous compliance?
s. §63.6640 How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?
t. §63.6645 What notifications must I submit and when?
u. §63.6650 What reports must I submit and when?
v. §63.6655 What records must I keep?
w. §63.6660 In what form and how long must I keep my records?
x. §63.6665 What parts of the General Provisions apply to me?
y. §63.6670 Who implements and enforces this subpart?
z. §63.6675 What definitions apply to this subpart?

12. The permittee shall maintain records of operations as listed below. These records shall be retained on-site or at a local field office for a period of at least five years following dates of recording, and shall be made available to regulatory personnel upon request.

    a. Facility-wide emissions of NO_X, CO, VOC, PM_{10}, and HAPs (monthly, 12-month rolling total) as specified by S.C. # 2.
    b. Record of hours of operation for all engines (monthly and 12-month rolling totals), as specified in S.C. #7.
    c. For the fuel(s) burned, the appropriate document(s) as specified in S.C. #4.
    d. Records required under NESHAP 40 CFR Part 63, Subpart ZZZZ.
    e. Records required under NSPS 40 CFR Part 60, Subpart IIII.

13. The permittee shall submit an application for an operating permit within 180 days of starting operation of any emission source whose construction has been authorized by this permit.

MINOR SOURCE PERMIT TO OPERATE / CONSTRUCT
AIR POLLUTION CONTROL FACILITY
STANDARD CONDITIONS

(February 13, 2020)

A. The issuing Authority for the permit is the Air Quality Division (AQD) of the Oklahoma Department of Environmental Quality (DEQ) in accordance with and under the authority of the Oklahoma Clean Air Act. The permit does not relieve the holder of the obligation to comply with other applicable federal, state, or local statutes, regulations, rules, or ordinances. This specifically includes compliance with the rules of the other Divisions of DEQ: Land Protection Division and Water Quality Division.

B. A duly issued construction permit or authorization to construct or modify will terminate and become null and void (unless extended as provided in OAC 252:100-7-15(g)) if the construction is not commenced within 18 months after the date the permit or authorization was issued, or if work is suspended for more than 18 months after it is commenced. [OAC 252:100-7-15(f)]

C. The recipient of a construction permit shall apply for a permit to operate (or modified operating permit) within 180 days following the first day of operation. [OAC 252:100-7-18(a)]

D. Unless specified otherwise, the term of an operating permit shall be unlimited.

E. Notification to the Air Quality Division of DEQ of the sale or transfer of ownership of this facility is required and shall be made in writing by the transferor within 30 days after such date. A new permit is not required. [OAC 252:100-7-2(f)]

F. The following limitations apply to the facility unless covered in the Specific Conditions:

1. No person shall cause or permit the discharge of emissions such that National Ambient Air Quality Standards (NAAQS) are exceeded on land outside the permitted facility. [OAC 252:100-3]
2. All facilities that emit air contaminants are required to file an emission inventory and pay annual operating fees based on the inventory. Instructions are available on the Air Quality section of the DEQ web page. https://oklahoma.gov/deq.html [OAC 252:100-5]
3. Deviations that result in emissions exceeding those allowed in this permit shall be reported consistent with the requirements of OAC 252:100-9, Excess Emission Reporting Requirements. [OAC 252:100-9]
4. Open burning of refuse and other combustible material is prohibited except as authorized in the specific examples and under the conditions listed in the Open Burning subchapter. [OAC 252:100-13]
5. No particulate emissions from new fuel-burning equipment with a rated heat input of 10 MMBTUH or less shall exceed 0.6 lbs/MMBTU. [OAC 252:100-19]
6. No discharge of greater than 20% opacity is allowed except for short-term occurrences which consist of not more than one six-minute period in any consecutive 60 minutes, not to exceed three such periods in any consecutive 24 hours. In no case shall the average of any six-minute period exceed 60% opacity. [OAC 252:100-25]

7. No visible fugitive dust emissions shall be discharged beyond the property line on which the emissions originate in such a manner as to damage or to interfere with the use of adjacent properties, or cause air quality standards to be exceeded, or interfere with the maintenance of air quality standards. [OAC 252:100-29]
8. No sulfur oxide emissions from new gas-fired fuel-burning equipment shall exceed 0.2 lbs/MMBTU. No existing source shall exceed the listed ambient air standards for sulfur dioxide. [OAC 252:100-31]
9. Volatile Organic Compound (VOC) storage tanks built after December 28, 1974, and with a capacity of 400 gallons or more storing a liquid with a vapor pressure of 1.5 psia or greater under actual conditions shall be equipped with a permanent submerged fill pipe or with an organic material vapor-recovery system. [OAC 252:100-37-15(b)]
10. All fuel-burning equipment shall at all times be properly operated and maintained in a manner that will minimize emissions of VOCs. [OAC 252:100-37-36]

G. Any owner or operator subject to provisions of NSPS shall provide written notification as follows: [40 CFR 60.7 (a)]

1. A notification of the date construction (or reconstruction as defined under §60.15) of an affected facility is commenced postmarked no later than 30 days after such date. This requirement shall not apply in the case of mass-produced facilities which are purchased in completed form.
2. A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in §60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice.
3. A notification of the actual date of initial start-up of an affected facility postmarked within 15 days after such date.
4. If a continuous emission monitoring system is included in the construction, a notification of the date upon which the test demonstrating the system performance will commence, along with a pretest plan, postmarked no less than 30 days prior to such a date.

H. Any owner or operator subject to provisions of NSPS shall maintain records of the occurrence and duration of any start-up, shutdown, or malfunction in the operation of an affected facility or any malfunction of the air pollution control equipment. [40 CFR 60.7 (b)]

I. Any owner or operator subject to the provisions of NSPS shall maintain a file of all measurements and other information required by this subpart recorded in a permanent file suitable for inspection. This file shall be retained for at least five years following the date of such measurements, maintenance, and records. [40 CFR 60.7 (f)]

J. Any owner or operator subject to the provisions of NSPS shall conduct performance test(s) and furnish to AQD a written report of the results of such test(s). Test(s) shall be conducted within 60 days after achieving the maximum production rate at which the facility will be operated, but not later than 180 days after initial start-up. [40 CFR 60.8]

PERMIT

AIR QUALITY DIVISION
STATE OF OKLAHOMA
DEPARTMENT OF ENVIRONMENTAL QUALITY
707 N. ROBINSON, SUITE 4100
P.O. BOX 1677
OKLAHOMA CITY, OKLAHOMA 73101-1677

Permit No. 2025-0466-C

Core Scientific, Inc.

having complied with the requirements of the law, is hereby granted permission to construct the Core Scientific MSK1 & MSK2 facility, located Section 15, Township 14N, Range 18E, Muskogee County, Oklahoma, subject to standard conditions dated February 13, 2020, and specific conditions, both attached.

In the absence of construction commencement, this permit shall expire 18 months from the issuance date, except as authorized under Section B of the Standard Conditions.

DRAFT

Lee Warden, P.E.
Permits and Engineering Group Manager

Date Issued

Robert A. Singletary
Executive Director

OKLAHOMA Environmental Quality

Kevin Stitt
Governor

Trip Guinan
Core Scientific, Inc.
701 Brickell Ave, Suite 2500
Miami, FL 33131

Subject: Construction Permit No. **2025-0466-C**
Core Scientific MSK1& MSK2 (Fac. ID: 24887)
Section 15, Township 14N, Range 18E, Muskogee County, Oklahoma

Dear Mr. Guinan:

Enclosed is the permit authorizing construction at the referenced facility. Please note that this permit is issued subject to standard and specific conditions which are attached. These conditions must be carefully followed since they define the limits of the permit and will be confirmed by periodic inspections.

Also note that you are required to annually submit an emission inventory for this facility. An emission inventory must be completed through DEQ's electronic reporting system by April 1st of every year. Any questions concerning the form or submittal process should be referred to the Emission Inventory Staff at (405) 702-4100.

Thank you for your cooperation. If you have any questions, please refer to the permit number above and contact permit writer at (918) 293-1615, or by email at Jennie.Doan@deq.ok.gov. Air Quality personnel are located in the Regional Office at Tulsa, 9933 E. 16th Street, Tulsa, OK, 74128.

Sincerely,

Jennie Doan, E.I.,
Engineering Section
AIR QUALITY DIVISION

Enclosure

Robert A. Singletary
Executive Director

OKLAHOMA Environmental Quality

Kevin Stitt
Governor

Cherokee Nation
Attn: Chuck Hoskin, Jr., Principal Chief
P.O. Box 948
Tahlequah, OK 74465

Re: Permit No. **2025-0466-C**
Core Scientific, Inc.
Core Scientific MSK1& MSK2 (SIC 7374/NAICS 518210)
Facility ID: 24887
Latitude: 35.69694°, Longitude: 95.38558°
Section 15, Township 14N, Range 18E; Muskogee County, Oklahoma

Dear Chief Hoskin:

The Oklahoma Department of Environmental Quality (ODEQ), Air Quality Division (AQD), has received the Tier I application referenced above. A Tier I application requires AQD to provide a 30-day public comment period on the draft Tier I permit on the ODEQ website. Since the proposed project falls within your Tribal jurisdiction, AQD is providing this direct notice. This letter notification is in addition to email notifications provided to tribal contacts.

Copies of draft permits and comment opportunities are provided to the public on the ODEQ website at the following location:

https://oklahoma.gov/deq/permits/air-permits/pp-ip/air-permits-open-for-public-petition.html

If you prefer a copy of the draft permit, or direct notification by letter for any remaining public comment opportunities, if applicable, on the referenced permit action, please notify our Chief Engineer, Phillip Fielder, by e-mail at phillip.fielder@deq.ok.gov, or by letter at:

Department of Environmental Quality, Air Quality Division
Attn: Phillip Fielder, Chief Engineer
P.O. Box 1677
Oklahoma City, OK, 73101-1677

Thank you for your cooperation. If you have any questions, I can also be contacted at (405) 702-4237 and Mr. Fielder may be reached at (405) 702-4185.

Sincerely,

Lee Warden

Lee Warden, P.E.
Permits and Engineering Group Manager
AIR QUALITY DIVISION

Robert A. Singletary
Executive Director

OKLAHOMA Environmental Quality

Kevin Stitt
Governor

Muscogee Nation
Attn: David Hill, Principal Chief
P.O. Box 580
Okmulgee, OK 74447

Re: Permit No. **2025-0466-C**
Core Scientific, Inc.
Core Scientific MSK1& MSK2 (SIC 7374/NAICS 518210)
Facility ID: 24887
Latitude: 35.69694°, Longitude: 95.38558°
Section 15, Township 14N, Range 18E; Muskogee County, Oklahoma

Dear Chief Hill:

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Department of Environmental Quality, Air Quality Division
Attn: Phillip Fielder, Chief Engineer
P.O. Box 1677
Oklahoma City, OK, 73101-1677

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Sincerely,

Lee Warden

Lee Warden, P.E.
Permits and Engineering Group Manager
AIR QUALITY DIVISION

Department of Environmental Quality (DEQ)
Air Quality Division (AQD)
Acronym List
9-8-2025

ACFM	Actual Cubic Feet per Minute
AD	Applicability Determination
AFRC	Air-to-Fuel Ratio Controller
API	American Petroleum Institute
ASTM	American Society for Testing and Materials
AVO	Audio, Visual, or Olfactory
BACT	Best Available Control Technology
BAE	Baseline Actual Emissions
BBL	Barrel(s)
BHP	Brake Horsepower (bhp)
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
BTU	British thermal unit (Btu)
C&E	Compliance and Enforcement
CAA	Clean Air Act
CAM	Compliance Assurance Monitoring
CAS	Chemical Abstract Service
CAAA	Clean Air Act Amendments
CC	Catalytic Converter
CCR	Continuous Catalyst Regeneration
CD	Consent Decree
CEM	Continuous Emission Monitor
CFC	Chlorofluorocarbon
CFR	Code of Federal Regulations
CI	Compression Ignition
CNG	Compressed Natural Gas
CO	Carbon Monoxide or Consent Order
COA	Capable of Accommodating
COM	Continuous Opacity Monitor
D	Day
DEF	Diesel Exhaust Fluid
DG	Demand Growth
DSCF	Dry Standard (At Standard Conditions) Cubic Foot (Feet)
EGU	Electric Generating Unit
EI	Emissions Inventory
EPA	Environmental Protection Agency
ESP	Electrostatic Precipitator
EUG	Emissions Unit Group
EUSGU	Electric Utility Steam Generating Unit
FCE	Full Compliance Evaluation
FCCU	Fluid Catalytic Cracking Unit
FEL	Federally Enforceable Limit(s)
FESOP	Federally Enforceable State Operating Permit
FIP	Federal Implementation Plan
FR	Federal Register
GACT	Generally Achievable Control Technology
GAL	Gallon (gal)
GDF	Gasoline Dispensing Facility
GEP	Good Engineering Practice
GHG	Greenhouse Gases
GR	Grain(s) (gr)
H_2CO	Formaldehyde
H_2S	Hydrogen Sulfide
HAP	Hazardous Air Pollutants
HC	Hydrocarbon
HCFC	Hydrochlorofluorocarbon
HFR	Horizontal Fixed Roof
HON	Hazardous Organic NESHAP
HP	Horsepower (hp)
HR	Hour (hr)
I&M	Inspection and Maintenance
IBR	Incorporation by Reference
ICE	Internal Combustion Engine
LAER	Lowest Achievable Emission Rate
LB	Pound(s) [Mass] (lb, lbs, lbm)
LB/HR	Pound(s) per Hour (lb/hr)
LDAR	Leak Detection and Repair
LNG	Liquefied Natural Gas
LT	Long Ton(s) (metric)
LTPD	Long Tons per Day
LPE	Legally and Practicably Enforceable
M	Thousand (Roman Numeral)
MAAC	Maximum Acceptable Ambient Concentration
MACT	Maximum Achievable Control Technology
MM	Prefix used for Million (Thousand-Thousand)
MMBTU	Million British Thermal Units (MMBtu)
MMBTUH	Million British Thermal Units per Hour (MMBtu/hr)
MMSCF	Million Standard Cubic Feet (MMscf)
MMSCFD	Million Standard Cubic Feet per Day
MSDS	Material Safety Data Sheet
MWC	Municipal Waste Combustor
MWe	Megawatt Electrical
NA	Nonattainment
NAAQS	National Ambient Air Quality Standards
NAICS	North American Industry Classification System

NESHAP	National Emission Standards for Hazardous Air Pollutants
NH_3	Ammonia
NMHC	Non-methane Hydrocarbon
NGL	Natural Gas Liquids
NO_2	Nitrogen Dioxide
NOx	Nitrogen Oxides
NOI	Notice of Intent
NSCR	Non-Selective Catalytic Reduction
NSPS	New Source Performance Standards
NSR	New Source Review
O_3	Ozone
O&G	Oil and Gas
O&M	Operation and Maintenance
O&NG	Oil and Natural Gas
OAC	Oklahoma Administrative Code
OC	Oxidation Catalyst
OGI	Optical Gas Imaging
PAH	Polycyclic Aromatic Hydrocarbons
PAE	Projected Actual Emissions
PAL	Plant-wide Applicability Limit
Pb	Lead
PBR	Permit by Rule
PCB	Polychlorinated Biphenyls
PCE	Partial Compliance Evaluation
PEA	Portable Emissions Analyzer
PFAS	Per- and Polyfluoroalkyl Substance
PM	Particulate Matter
$PM_{2.5}$	Particulate Matter with an Aerodynamic Diameter <= 2.5 Micrometers
PM_{10}	Particulate Matter with an Aerodynamic Diameter <= 10 Micrometers
POM	Particulate Organic Matter or Polycyclic Organic Matter
ppb	Parts per Billion
ppm	Parts per Million
ppmv	Parts per Million Volume
ppmvd	Parts per Million Dry Volume
PSD	Prevention of Significant Deterioration
psi	Pounds per Square Inch
psia	Pounds per Square Inch Absolute
psig	Pounds per Square Inch Gage
RACT	Reasonably Available Control Technology
RATA	Relative Accuracy Test Audit
RAP	Regulated Air Pollutant or Reclaimed Asphalt Pavement
RFG	Refinery Fuel Gas
RICE	Reciprocating Internal Combustion Engine
RO	Responsible Official
ROAT	Regional Office at Tulsa
RVP	Reid Vapor Pressure
SCC	Source Classification Code
SCF	Standard Cubic Foot
SCFD	Standard Cubic Feet per Day
SCFM	Standard Cubic Feet per Minute
SCR	Selective Catalytic Reduction
SEP	Supplemental Environmental Project
SER	Significant Emission Rate
SI	Spark Ignition
SIC	Standard Industrial Classification
SIP	State Implementation Plan
SNCR	Selective Non-Catalytic Reduction
SO_2	Sulfur Dioxide
SOx	Sulfur Oxides
SOP	Standard Operating Procedure
SRU	Sulfur Recovery Unit
T	Tons
TAC	Toxic Air Contaminant
TEG	Triethylene Glycol
THC	Total Hydrocarbons
TPY	Tons per Year
TRS	Total Reduced Sulfur
TSP	Total Suspended Particulates
TV	Title V of the Federal Clean Air Act
$\mu g/m^3$	Micrograms per Cubic Meter
US EPA	U. S. Environmental Protection Agency
VFR	Vertical Fixed Roof
VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compound
VOL	Volatile Organic Liquid
VRT	Vapor Recovery Tower
VRU	Vapor Recovery Unit
YR	Year
2SLB	2-Stroke Lean Burn
4SLB	4-Stroke Lean Burn
4SRB	4-Stroke Rich Burn