



**DEPARTMENT OF THE AIR FORCE
377TH AIR BASE WING (AFGSC)**

23 FEB 2024

Colonel Michael J. Power, USAF
Commander
377th Air Base Wing
2000 Wyoming Blvd SE
Kirtland Air Force Base NM 87117

Ms. Angela Lopez
Environmental Health Manager
Albuquerque Environmental Health Department
Air Quality Program
P.O. Box 1293
Albuquerque NM 87103

Dear Ms. Lopez

Kirtland Air Force Base (KAFB) is undergoing the renewal process for Title V Operating Permit 0527-RN1 issued on Jan 22, 2018. The most recent renewal application was submitted on 31 August 2022, and was deemed administratively complete on 29 October 2022.

On 13 July 2023, KAFB staff met with Ms. Barbara Georgitis, Senior Environmental Health Scientist with the City of Albuquerque Environmental Health Department (AEHD) Air Quality Program (AQP). During this meeting, KAFB and AEHD AQP staff discussed several administrative changes to the Title V Permit that occurred after the 31 August 2022 application was submitted. This letter summarizes the proposed administrative changes discussed with Ms. Georgitis. KAFB respectfully requests these changes be addressed as part of the permit renewal application that is currently under review. These changes consist of the following:

1. Remove Construction Permits 3323, 3331, and 3366 and associated conditions from Title V Permit 0527-RN1. Requests to cancel these permits were approved by AEHD AQD on 31 October 2023.

2. Change the current Title V annual compliance schedule from July through June to the Federal fiscal year of October through September, as a result:

- a. The annual compliance certification reports will be due 30 days after the end of the reporting period of 30 September yearly.

- b. The semi-annual monitoring reports will be due within 45 days following 31 March and 30 September yearly.

3. Update or remove condition 4.2 and its sub conditions in Title V Permit 0527-RN1. Quinquennial testing is not applicable as described in conditions I.1.A of Construction Permits 1759-M2 and 3031-M1.

4. Remove condition 4.3 of Title V Permit 0527-RN1. KAFB does not own or operate continuous emissions monitoring instruments as confirmed on 25 October 2023.

5. Add the three recently issued construction permits to the pending Title V permit renewal application. AEHD AQP approved this approach in a meeting with KAFB on 31 October 2023. An amended permit renewal application that includes the three new construction permits (3470, 3492, and 3501) is included at attachment 1.

6. Please note that the amended permit renewal application at attachment 1 also includes updated information for two boilers that were discovered during the most recent Title V operating permit inspection. A formal request to cancel the registration for these boilers will be submitted under separate cover.

7. The following revised attachments to the Title V permit renewal application are included with this amendment at attachment 1.

- Attachment A – Revised AEHD AQP Operating Permit Application Forms
- Attachment C – Revised Emissions Calculations
- Attachment D – Table D1 - Revised Source Registration and Construction Permit Cross Reference Table
- Attachment E – Revised Site Map

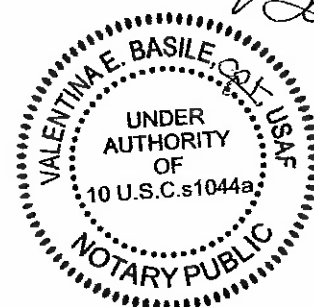
My point of contact for any questions regarding this submittal is Ms. Carina Munoz-Dyer, KAFB Air Program Manager, at (505) 846-8781 or by email carina.munoz-dyer@us.af.mil.

Sincerely



MICHAEL J. POWER, Colonel, USAF
Commander

Attachment:
Title V Permit Renewal Application





Kirtland Air Force Base

20.11.42 NMAC

Amendment to Title V Permit Renewal Application

Originally Deemed Complete on October 29, 2022

December 2023

377 MSG/CEIEC

Kirtland AFB, New Mexico

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Attachment E – Site Map

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Table 4-1. Summary of Kirtland AFB Permitted Source Emission Limits (tons/year).....1-2

List of Acronyms and Abbreviations

| | |
|---------------|--|
| 377 ABW | 377th Air Base Wing |
| 377 MSG/CEIEC | 377th Mission Support Group/Environmental Compliance |
| 58 SOW | 58th Special Operations Wing |
| AAFES | Army and Air Force Exchange Service |
| AEHD | Albuquerque Environmental Health Department |
| AFB | Air Force Base |
| AFRL | Air Force Research Laboratory |
| AQD | Air Quality Division |
| AST | above ground storage tank |
| AVGAS | aviation gasoline |
| BTU | British thermal unit(s) |
| CATOX | catalytic oxidation (oxidative catalyst) |
| CFR | Code of Federal Regulations |
| CI | compression ignition |
| CO | carbon monoxide |
| DOE | Department of Energy |
| EPA | U.S. Environmental Protection Agency |
| GAC | granulated activated carbon |

List of Acronyms and Abbreviations (Cont.)

| | |
|-------------------|--|
| HAP | hazardous air pollutant |
| HVLP | high volume low pressure |
| hp | horsepower |
| hr | hour(s) |
| ID | identification |
| LRS | Logistics Readiness Squadron |
| NESHAP | National Emissions Standard for Hazardous Air Pollutants |
| NMAC | New Mexico Administrative Code |
| NO _x | nitrogen oxides |
| NSPS | New Source Performance Standards |
| ppmv | parts per million by volume |
| PTE | potential total emissions |
| PM _{2.5} | particulate matter less than or equal to 2.5 micrometers |
| PM ₁₀ | particulate matter less than or equal to 10 micrometers |
| R&D | Research and Development |
| scfm | standard cubic feet per minute |
| SIC | Standard Industrial Classification |
| SNL | Sandia National Laboratory |
| SO ₂ | Sulfur dioxide |

List of Acronyms and Abbreviations (Cont.)

| | |
|-----|--|
| SSM | start-up/shut-down scheduled maintenance |
| SVE | soil vapor extraction |
| THC | total hydrocarbons |
| tpy | tons per year |
| VOC | volatile organic compound |

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1.0 General Information

Kirtland Air Force Base (AFB) is amending the Title V Operating Permit Application that was deemed administratively complete by the Albuquerque Environmental Health Department (AEHD) Air Quality Program (AQP) on October 29, 2022. The purpose of this amendment seeks to authorize the addition of the following units:

- Emergency Generator Unit 1 (19186) included in Construction Permit 3470.
- Emergency Generator Unit 1 (19188) included in Construction Permit 3492.
- Emergency Generator Unit 1 (19190) included in Construction Permit 3501.

In September 2020, two units were replaced, as identified during the Title V inspection on August 7, 2023. However, a formal request to cancel Registration Certificate No. 3047 for these units has not yet been submitted:

- Boiler Unit 1 (14166) in Registration Certificate 3047 was replaced with a 999,000 BTU/hr boiler.
- Boiler Unit 2 (14167) in Registration Certificate 3047 was replaced with a 999,000 BTU/hr boiler.

The following equipment will be removed from the permit:

- Emergency Generator Unit 1 (19014) was previously authorized in Construction Permit 3101-RV1. The unit was removed on April 4, 2023, and AEHD confirmed the unit was removed during the recent Title V inspection on July 20, 2023.
- Emergency Generator 1 (19183) was removed and AEHD approved a request to cancel Construction Permit 3366 on October 31, 2023.
- Soil Vapor Extractor 1 (12010) was never installed and AEHD approved a request to cancel Construction Permit 3331 on October 31, 2023.

Sections 1.1 through 13.0 of the original Title V application deemed complete on October 29, 2022, remain unchanged. Additionally, Attachments B, F, and G remain unchanged. Please refer to the original application for details on those sections and attachments.

The three new generators (19186, 19188, and 19190) and the two boiler replacements (14166 and 14167) follow the same work practice standards and operational plans stated in Sections 5 and 6 of the Title V application deemed complete on October 29, 2022. While the two boilers (14166 and 14167) are currently authorized under Registration Certificate No. 3047, a request to cancel Registration Certificate No. 3047 has not yet been submitted.

The focus of this amendment is on modifications to Table 4-1 and Attachments A, C, D, and E, where new equipment and related information are provided.

- Table 4-1 lists an updated summary of Kirtland AFB Title V source emission limits.
- Attachment A reflects an updated permit application including all Title V permitted sources and the Compliance History Disclosure Form. The attachment also includes a comprehensive list of serial plate and model numbers for each permitted source.
- Attachment C contains updated emissions calculations to reflect recent equipment changes.
- Attachment D, Table D-1, reflects an updated list of emission sources. The rest of Attachment D remains unchanged from the previously deemed complete application.
- Attachment E outlines the source locations for the three new generators, while the two boiler replacements remain at their original locations as documented in the previously deemed complete application.

Table 4-1. Summary of Kirtland AFB Title V Source Emission Limits¹ (tons/year)

| Carbon Monoxide (CO) | Oxides of Nitrogen (NO _x) | Volatile Organic Compounds (VOC) | Sulfur Dioxide (SO ₂) | Total Suspended Particulate Matter (PM) | Particulate Matter (PM ₁₀) | Particulate Matter (PM _{2.5}) | Hazardous Air Pollutants (HAP) |
|----------------------|---------------------------------------|----------------------------------|-----------------------------------|---|--|---|--------------------------------|
| 30.2 | 65.0 | 116.8 | 3.6 | 5.1 | 5.1 | 5.1 | 3.4 |

¹The total Title V Permit emission limits are based on all primary and support sources at Kirtland AFB operating at the maximum capacity contained in their respective Construction Permit, or Source Registration Application.

Attachment A

AEHD AQP Operating Permit Application Forms



**City of Albuquerque – Environmental Health Department
Air Quality Program**

Please mail this application to **P.O. Box 1293, Albuquerque, NM 87103**
or hand deliver between 8:00 am – 5:00 pm Monday – Friday to:
3rd Floor, Suite 3023 – One Civic Plaza NW, Albuquerque, NM 87102
(505) 768-1972 aqd@cabq.gov

20.11.42 NMAC Operating Permit Application Form

Please answer all questions applicable to your specific business, operation and products. Use the abbreviation "N/A" for "not applicable" wherever appropriate.

SECTION 1 - GENERAL INFORMATION (20.11.42.12(A)(4) NMAC)

{Specific instructions corresponding to numbers in brackets are included in the application package.}

1. Company Name: {1} U.S. Air Force – Kirtland Air Force Base (AFB)
2. Application Date: December 2023
3. Company Mailing Address: 377 MSG/CE Environmental, 2050 Wyoming Blvd SE, Kirtland AFB, NM 87117-5270 4. Phone: (505) 846-8546
5. Owner's Name: {2} U.S. Air Force – Kirtland AFB 6. Phone: (505) 846-7377
7. Owner's Address: Same as above
8. Plant Name: {3} {if different from 1} Same as above 9. Phone: Same as above
10. Plant Address: {if different from line 3} Same as above
11. Operator of Plant: {4} Isreal Tavarez 12. Phone: (505) 846-8546
13. Plant Operator Address: N/A
14. Responsible Official {5}: Michael J. Power, Colonel, USAF Commander 15. Phone: (505) 846-7377
16. Address of Responsible Official: 2000 Wyoming Blvd SE Kirtland AFB, NM 87117-5000
17. Person to Contact at Site {6}: Carina Munoz-Dyer 18. Title: Air Program Manager 19. Phone: (505) 846-8781
20. Owner's Agent(s): {7} N/A 21. Phone: N/A
22. Company's State of Incorporation or Registration to do Business: N/A
23. Company's Corporate or Partnership Relationship to any other Air Quality Permittee: {8} N/A
24. Name of Parent Company: {9} N/A
25. Address of Parent Company: N/A
26. Names of Subsidiary Companies: {10} N/A
27. Air Quality Permits for this Source Already Received: (Permit Number(s)) N/A
28. Other Air Quality Permits Issued to this Applicant: (Permit Number(s)) Construction Permits: 484-M3, 1759-M2, 1770-RV3, 1777-RV2, 1786-M5, 1945, 2085, 2100, 2105-M1, 2147, 3013-RV1, 3016-RV2, 3031-M1, 3032-M1-2AR, 3048-2TR, 3070-M1-1TR, 3090-RV1, 3101-RV1, 3128, 3129, 3141-RV1, 3308, 3329, 3470, 3492, 3501, Registration Certificates: 3047, 3102, 3329
29. Reason this source must have a Part 42 operating permit: {11} Kirtland AFB's potential emissions of nitrogen oxides (NO_x) and volatile organic compounds (VOCs) are greater than 100 tons per year (tpy).
30. Is U.S.G.S. quadrangular map or equivalent attached? {12} See Attachment E of the Title V operating permit application
31. Ownership of land at plant site (private, State, Federal, Indian, etc.): Federal

NOTE: If the land at the plant site is Indian land, contact the Air Quality Program staff for assistance.

32. Distance, in meters, of plant site to nearest residence, school or occupied structure: {13} 0 meters, residences and schools are located on Kirtland AFB
33. Location of Plant:
- 33A. City or County: Bernalillo County 33B. Direction and distance from nearest town: Adjacent to and south of Albuquerque, NM
- 33C. UTM Zone: 4751 (New Mexico, Central) UTME: 360 km UTMN: 3,900 km
- 33D. Range: _____ Township: _____ Section: _____ 30E. Latitude: _____ Longitude: _____
34. Plant Elevation 5,350 ft above mean sea level
35. Describe briefly type of plant and nature of processes (or modification) and products, including primary and secondary SIC codes: {14}
- The primary activity at Kirtland AFB is classified under SIC code – 97, National Security. Kirtland AFB's primary source of emissions includes boilers, generators, paint booths, remediation activities and fuel loading, storage, and dispensing. Support activities that are related to the primary activity of the installation are classified under SIC code 49, Utilities and SIC code 92, Fire Protection/Police.
36. Describe briefly any processes or products associated with any alternative operating scenarios described in this application, including primary and secondary SIC codes {15}: N/A
37. Plant's Maximum Allowable Hourly and Annual Capacities (specify units) {16}: Hourly: N/A
- Annual N/A
38. Permit Renewals or Significant Modifications
- 38A. Is this an application for an operating permit renewal or significant modification? Yes X No _____.
- 38B. If yes, when does the current operating permit expire? 22 January 2023
39. Is this a portable or temporary source {17}? Yes _____ No X.
- 39A. If yes, provide identifying numbers (e.g. serial numbers): N/A
- 39B. If yes, date of anticipated startup: N/A 40C. If yes, date of anticipated relocation: N/A
40. Operational Periods: (20.11.42.12(A)(4)(e)(vi) NMAC)
- 40A. Specify **standard** operational periods:
- 11 hours per day, 6 am to 5 pm, 7 days per week, 4 weeks per month, 12 months per year.
- 40B. Specify **maximum** operational periods:
- 24 hours per day, 12 am to 12 pm, 7 days per week, 4 weeks per month, 12 months per year.
41. Compliance History Disclosure Form Attached? Yes X No _____

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(S) {7} |
|--------------|--|---|------------------|--|-------------------------------|
| | | Pollutant {4} | Quantity {5} | | |
| 12009 | Soil Vapor Extraction with Granulated Activated Carbon | Oxides of Nitrogen (NO _x) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 12009 | Soil Vapor Extraction with Granulated Activated Carbon | Carbon Monoxide (CO) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 12009 | Soil Vapor Extraction with Granulated Activated Carbon | Volatile Organic Compounds (VOC) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 12009 | Soil Vapor Extraction with Granulated Activated Carbon | Sulfur Dioxide (SO ₂) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 12009 | Soil Vapor Extraction with Granulated Activated Carbon | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 12009 | Soil Vapor Extraction with Granulated Activated Carbon | Particulate Matter (PM ₁₀) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 12009 | Soil Vapor Extraction with Granulated Activated Carbon | Particulate Matter (PM _{2.5}) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 12009 | Soil Vapor Extraction with Granulated Activated Carbon | Hazardous Air Pollutants (HAP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 12009 | Soil Vapor Extraction with Granulated Activated Carbon | CO ₂ e | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|---------------|---|-------------------------------|
| | | Pollutant {4} | Quantity {5} | | |
| 14014 | Boiler | Oxides of Nitrogen (NO _x) | 0.61 lb/hr | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | 2.68 tn/yr | | |
| 14014 | Boiler | Carbon Monoxide (CO) | 0.51 lb/hr | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | 2.25 tn/yr | | |
| 14014 | Boiler | Sulfur Dioxide (SO ₂) | 0.004 lb/hr | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | 0.02 tn/yr | | |
| 14014 | Boiler | Volatile Organic Compounds (VOC) | 0.16 lb/hr | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | 0.68 tn/yr | | |
| 14014 | Boiler | Total Suspended Particulate Matter (TSP) | 0.05 lb/hr | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | 0.2 tn/yr | | |
| 14014 | Boiler | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.05 lb/hr | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | 0.2 tn/yr | | |
| 14014 | Boiler | CO _{2e} | 3,203.1 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|-------------------------------|
| | | Pollutant {4} | Quantity {5} | | |
| 14166 | Boiler | Oxides of Nitrogen (NO _x) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 14166 | Boiler | Carbon Monoxide (CO) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 14166 | Boiler | Sulfur Dioxide (SO ₂) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 14166 | Boiler | Volatile Organic Compounds (VOC) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 14166 | Boiler | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 14166 | Boiler | Particulate Matter (PM ₁₀ /PM _{2.5}) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 14166 | Boiler | CO _{2e} | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.42 NMAC |
| | | | N/A ¹ | | |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
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(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|-------------------------------|
| | | Pollutant {4} | Quantity {5} | | |
| 14167 | Boiler | Oxides of Nitrogen (NO _x) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 14167 | Boiler | Carbon Monoxide (CO) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 14167 | Boiler | Sulfur Dioxide (SO ₂) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 14167 | Boiler | Volatile Organic Compounds (VOC) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 14167 | Boiler | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 14167 | Boiler | Particulate Matter (PM ₁₀ /PM _{2.5}) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 14167 | Boiler | CO _{2e} | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.42 NMAC |
| | | | N/A ¹ | | |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|-------------------------------|
| | | Pollutant {4} | Quantity {5} | | |
| 14168 | Boiler | Oxides of Nitrogen (NO _x) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 14168 | Boiler | Carbon Monoxide (CO) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 14168 | Boiler | Sulfur Dioxide (SO ₂) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 14168 | Boiler | Volatile Organic Compounds (VOC) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 14168 | Boiler | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 14168 | Boiler | Particulate Matter (PM ₁₀ /PM _{2.5}) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 14168 | Boiler | CO ₂ e | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|-------------------------------|
| | | Pollutant {4} | Quantity {5} | | |
| 14169 | Boiler | Oxides of Nitrogen (NO _x) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 14169 | Boiler | Carbon Monoxide (CO) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 14169 | Boiler | Sulfur Dioxide (SO ₂) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 14169 | Boiler | Volatile Organic Compounds (VOC) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 14169 | Boiler | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 14169 | Boiler | Particulate Matter (PM ₁₀ /PM _{2.5}) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 14169 | Boiler | CO ₂ e | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
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(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 15001 | Gasoline Dispensing | Oxides of Nitrogen (NO _x) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 15001 | Gasoline Dispensing | Carbon Monoxide (CO) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 15001 | Gasoline Dispensing | Sulfur Dioxide (SO ₂) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 15001 | Gasoline Dispensing | Volatile Organic Compounds (VOC) | 28.08 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | 4.04 tn/yr | | |
| 15001 | Gasoline Dispensing | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 15001 | Gasoline Dispensing | Particulate Matter (PM ₁₀ /PM _{2.5}) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 15001 | Gasoline Dispensing | CO ₂ e | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 15004 | Gasoline Dispensing | Oxides of Nitrogen (NO _x) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 15004 | Gasoline Dispensing | Carbon Monoxide (CO) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 15004 | Gasoline Dispensing | Sulfur Dioxide (SO ₂) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 15004 | Gasoline Dispensing | Volatile Organic Compounds (VOC) | 14.04 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | 0.82 tn/yr | | |
| 15004 | Gasoline Dispensing | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 15004 | Gasoline Dispensing | Particulate Matter (PM ₁₀ /PM _{2.5}) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 15004 | Gasoline Dispensing | CO ₂ e | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 15008 | Gasoline Dispensing | Oxides of Nitrogen (NO _x) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 15008 | Gasoline Dispensing | Carbon Monoxide (CO) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 15008 | Gasoline Dispensing | Sulfur Dioxide (SO ₂) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 15008 | Gasoline Dispensing | Volatile Organic Compounds (VOC) | 12.00 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | 0.2 tn/yr | | |
| 15008 | Gasoline Dispensing | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 15008 | Gasoline Dispensing | Particulate Matter (PM ₁₀ /PM _{2.5}) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 15008 | Gasoline Dispensing | CO ₂ e | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 15011 | E85 Fuel Dispensing | Oxides of Nitrogen (NO _x) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 15011 | E85 Fuel Dispensing | Carbon Monoxide (CO) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 15011 | E85 Fuel Dispensing | Sulfur Dioxide (SO ₂) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 15011 | E85 Fuel Dispensing | Volatile Organic Compounds (VOC) | 14.04 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | 2.98 tn/yr | | |
| 15011 | E85 Fuel Dispensing | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 15011 | E85 Fuel Dispensing | Particulate Matter (PM ₁₀ /PM _{2.5}) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 15011 | E85 Fuel Dispensing | CO ₂ e | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 16001 | Gasoline Loading | Oxides of Nitrogen (NO _x) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart BBBBBB |
| | | | N/A ¹ | | |
| 16001 | Gasoline Loading | Carbon Monoxide (CO) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart BBBBBB |
| | | | N/A ¹ | | |
| 16001 | Gasoline Loading | Sulfur Dioxide (SO ₂) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart BBBBBB |
| | | | N/A ¹ | | |
| 16001 | Gasoline Loading | Volatile Organic Compounds (VOC) | 105.55 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart BBBBBB |
| | | | 0.26 tn/yr | | |
| 16001 | Gasoline Loading | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart BBBBBB |
| | | | N/A ¹ | | |
| 16001 | Gasoline Loading | Particulate Matter (PM ₁₀ /PM _{2.5}) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart BBBBBB |
| | | | N/A ¹ | | |
| 16001 | Gasoline Loading | CO _{2e} | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 18001 | Non-Emergency Landfill Mulcher Engine | Oxides of Nitrogen (NO _x) | 13.12 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 3.29 tn/yr | | |
| 18001 | Non-Emergency Landfill Mulcher Engine | Carbon Monoxide (CO) | 2.84 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.71 tn/yr | | |
| 18001 | Non-Emergency Landfill Mulcher Engine | Sulfur Dioxide (SO ₂) | 0.87 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.22 tn/yr | | |
| 18001 | Non-Emergency Landfill Mulcher Engine | Volatile Organic Compounds (VOC) | 1.05 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.26 tn/yr | | |
| 18001 | Non-Emergency Landfill Mulcher Engine | Total Suspended Particulate Matter (TSP) | 0.94 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.23 tn/yr | | |
| 18001 | Non-Emergency Landfill Mulcher Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.94 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.23 tn/yr | | |
| 18001 | Non-Emergency Landfill Mulcher Engine | CO _{2e} | 121.7 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|-------------------------------|
| | | Pollutant {4} | Quantity {5} | | |
| 18002 | Landfill Mulcher | Oxides of Nitrogen (NO _x) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | N/A ¹ | | |
| 18002 | Landfill Mulcher | Carbon Monoxide (CO) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | N/A ¹ | | |
| 18002 | Landfill Mulcher | Sulfur Dioxide (SO ₂) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | N/A ¹ | | |
| 18002 | Landfill Mulcher | Volatile Organic Compounds (VOC) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | N/A ¹ | | |
| 18002 | Landfill Mulcher | Total Suspended Particulate Matter (TSP) | 1.18 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.30 tn/yr | | |
| 18002 | Landfill Mulcher | Particulate Matter (PM ₁₀ /PM _{2.5}) | 1.18 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.30 tn/yr | | |
| 18002 | Landfill Mulcher | CO ₂ e | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|-------------------------------|
| | | Pollutant {4} | Quantity {5} | | |
| 19003 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 4.185 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.419 tn/yr | | |
| 19003 | Emergency Generator Engine | Carbon Monoxide (CO) | 0.902 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.09 tn/yr | | |
| 19003 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.277 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.028 tn/yr | | |
| 19003 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 0.333 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.033 tn/yr | | |
| 19003 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.297 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.03 tn/yr | | |
| 19003 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.297 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.03 tn/yr | | |
| 19003 | Emergency Generator Engine | CO _{2e} | 15.5 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|-------------------------------|
| | | Pollutant {4} | Quantity {5} | | |
| 19006 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 3.162 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.316 tn/yr | | |
| 19006 | Emergency Generator Engine | Carbon Monoxide (CO) | 0.681 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.068 tn/yr | | |
| 19006 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.209 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.021 tn/yr | | |
| 19006 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 0.252 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.025 tn/yr | | |
| 19006 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.224 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.022 tn/yr | | |
| 19006 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.224 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.022 tn/yr | | |
| 19006 | Emergency Generator Engine | CO ₂ e | 11.7 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19015 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 3.162 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.316 tn/yr | | |
| 19015 | Emergency Generator Engine | Carbon Monoxide (CO) | 0.681 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.068 tn/yr | | |
| 19015 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.209 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.021 tn/yr | | |
| 19015 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 0.252 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.025 tn/yr | | |
| 19015 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.224 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.022 tn/yr | | |
| 19015 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.224 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.022 tn/yr | | |
| 19015 | Emergency Generator Engine | CO _{2e} | 11.7 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19016 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 1.58 lb/hr | See Appendix C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.158 tn/yr | | |
| 19016 | Emergency Generator Engine | Carbon Monoxide (CO) | 0.341 lb/hr | See Appendix C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.034 tn/yr | | |
| 19016 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.105 lb/hr | See Appendix C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.011 tn/yr | | |
| 19016 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 0.126 lb/hr | See Appendix C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.013 tn/yr | | |
| 19016 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.112 lb/hr | See Appendix C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.011 tn/yr | | |
| 19016 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.112 lb/hr | See Appendix C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.011 tn/yr | | |
| 19016 | Emergency Generator Engine | CO ₂ e | 4.6 tn/yr | See Appendix C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19019 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 3.162 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.316 tn/yr | | |
| 19019 | Emergency Generator Engine | Carbon Monoxide (CO) | 0.681 lb/hr | See Appendix C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.068 tn/yr | | |
| 19019 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.209 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.021 tn/yr | | |
| 19019 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 0.252 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.025 tn/yr | | |
| 19019 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.224 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.022 tn/yr | | |
| 19019 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.224 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.022 tn/yr | | |
| 19019 | Emergency Generator Engine | CO _{2e} | 11.7 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|-------------------------------|
| | | Pollutant {4} | Quantity {5} | | |
| 19031 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 12.6 lb/hr | See Appendix C (Emission Calculations) | 20.11.41 NMAC |
| | | | 1.26 tn/yr | | |
| 19031 | Emergency Generator Engine | Carbon Monoxide (CO) | 2.97 lb/hr | See Appendix C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.3 tn/yr | | |
| 19031 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.728 lb/hr | See Appendix C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.073 tn/yr | | |
| 19031 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 0.877 lb/hr | See Appendix C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.088 tn/yr | | |
| 19031 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.781 lb/hr | See Appendix C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.078 tn/yr | | |
| 19031 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.781 lb/hr | See Appendix C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.078 tn/yr | | |
| 19031 | Emergency Generator Engine | CO _{2e} | 40.7 tn/yr | See Appendix C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|---|-------------------------------|
| | | Pollutant {4} | Quantity {5} | | |
| 19032 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 14.42 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 1.442 tn/yr | | |
| 19032 | Emergency Generator Engine | Carbon Monoxide (CO) | 3.106 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.311 tn/yr | | |
| 19032 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.953 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.095 tn/yr | | |
| 19032 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 1.149 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.115 tn/yr | | |
| 19032 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 1.023 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.102 tn/yr | | |
| 19032 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 1.023 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.102 tn/yr | | |
| 19032 | Emergency Generator Engine | CO _{2e} | 53.3 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19069 | Emergency Water Pump Engine | Oxides of Nitrogen (NO _x) | 10.54 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 1.054 tn/yr | | |
| 19069 | Emergency Water Pump Engine | Carbon Monoxide (CO) | 2.271 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.227 tn/yr | | |
| 19069 | Emergency Water Pump Engine | Sulfur Dioxide (SO ₂) | 0.697 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.07 tn/yr | | |
| 19069 | Emergency Water Pump Engine | Volatile Organic Compounds (VOC) | 0.84 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.084 tn/yr | | |
| 19069 | Emergency Water Pump Engine | Total Suspended Particulate Matter (TSP) | 0.748 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.075 tn/yr | | |
| 19069 | Emergency Water Pump Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.748 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.075 tn/yr | | |
| 19069 | Emergency Water Pump Engine | CO ₂ e | 38.9 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19070 | Emergency Water Pump Engine | Oxides of Nitrogen (NO _x) | 10.54 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 1.054 tn/yr | | |
| 19070 | Emergency Water Pump Engine | Carbon Monoxide (CO) | 2.271 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.227 tn/yr | | |
| 19070 | Emergency Water Pump Engine | Sulfur Dioxide (SO ₂) | 0.697 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.07 tn/yr | | |
| 19070 | Emergency Water Pump Engine | Volatile Organic Compounds (VOC) | 0.84 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.084 tn/yr | | |
| 19070 | Emergency Water Pump Engine | Total Suspended Particulate Matter (TSP) | 0.748 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.075 tn/yr | | |
| 19070 | Emergency Water Pump Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.748 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.075 tn/yr | | |
| 19070 | Emergency Water Pump Engine | CO ₂ e | 38.9 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|---|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19071 | Emergency Water Pump Engine | Oxides of Nitrogen (NO _x) | 10.54 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 1.054 tn/yr | | |
| 19071 | Emergency Water Pump Engine | Carbon Monoxide (CO) | 2.271 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.227 tn/yr | | |
| 19071 | Emergency Water Pump Engine | Sulfur Dioxide (SO ₂) | 0.697 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.07 tn/yr | | |
| 19071 | Emergency Water Pump Engine | Volatile Organic Compounds (VOC) | 0.84 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.084 tn/yr | | |
| 19071 | Emergency Water Pump Engine | Total Suspended Particulate Matter (TSP) | 0.748 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.075 tn/yr | | |
| 19071 | Emergency Water Pump Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.748 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.075 tn/yr | | |
| 19071 | Emergency Water Pump Engine | CO ₂ e | 38.9 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19072 | Emergency Water Pump Engine | Oxides of Nitrogen (NO _x) | 10.54 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 1.054 tn/yr | | |
| 19072 | Emergency Water Pump Engine | Carbon Monoxide (CO) | 2.271 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.227 tn/yr | | |
| 19072 | Emergency Water Pump Engine | Sulfur Dioxide (SO ₂) | 0.697 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.07 tn/yr | | |
| 19072 | Emergency Water Pump Engine | Volatile Organic Compounds (VOC) | 0.84 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.084 tn/yr | | |
| 19072 | Emergency Water Pump Engine | Total Suspended Particulate Matter (TSP) | 0.748 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.075 tn/yr | | |
| 19072 | Emergency Water Pump Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.748 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.075 tn/yr | | |
| 19072 | Emergency Water Pump Engine | CO ₂ e | 38.9 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19073 | Emergency Water Pump Engine | Oxides of Nitrogen (NO _x) | 10.54 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 1.054 tn/yr | | |
| 19073 | Emergency Water Pump Engine | Carbon Monoxide (CO) | 2.271 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.227 tn/yr | | |
| 19073 | Emergency Water Pump Engine | Sulfur Dioxide (SO ₂) | 0.697 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.07 tn/yr | | |
| 19073 | Emergency Water Pump Engine | Volatile Organic Compounds (VOC) | 0.84 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.084 tn/yr | | |
| 19073 | Emergency Water Pump Engine | Total Suspended Particulate Matter (TSP) | 0.748 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.075 tn/yr | | |
| 19073 | Emergency Water Pump Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.748 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.075 tn/yr | | |
| 19073 | Emergency Water Pump Engine | CO ₂ e | 38.9 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19074 | Emergency Water Pump Engine | Oxides of Nitrogen (NO _x) | 10.54 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 1.054 tn/yr | | |
| 19074 | Emergency Water Pump Engine | Carbon Monoxide (CO) | 2.271 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.227 tn/yr | | |
| 19074 | Emergency Water Pump Engine | Sulfur Dioxide (SO ₂) | 0.697 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.07 tn/yr | | |
| 19074 | Emergency Water Pump Engine | Volatile Organic Compounds (VOC) | 0.84 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.084 tn/yr | | |
| 19074 | Emergency Water Pump Engine | Total Suspended Particulate Matter (TSP) | 0.748 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.075 tn/yr | | |
| 19074 | Emergency Water Pump Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.748 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.075 tn/yr | | |
| 19074 | Emergency Water Pump Engine | CO ₂ e | 38.9 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19075 | Emergency Water Pump Engine | Oxides of Nitrogen (NO _x) | 10.54 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 1.054 tn/yr | | |
| 19075 | Emergency Water Pump Engine | Carbon Monoxide (CO) | 2.271 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.227 tn/yr | | |
| 19075 | Emergency Water Pump Engine | Sulfur Dioxide (SO ₂) | 0.697 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.07 tn/yr | | |
| 19075 | Emergency Water Pump Engine | Volatile Organic Compounds (VOC) | 0.84 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.084 tn/yr | | |
| 19075 | Emergency Water Pump Engine | Total Suspended Particulate Matter (TSP) | 0.748 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.075 tn/yr | | |
| 19075 | Emergency Water Pump Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.748 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.075 tn/yr | | |
| 19075 | Emergency Water Pump Engine | CO ₂ e | 38.9 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19076 | Emergency Water Pump Engine | Oxides of Nitrogen (NO _x) | 10.54 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 1.054 tn/yr | | |
| 19076 | Emergency Water Pump Engine | Carbon Monoxide (CO) | 2.271 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.227 tn/yr | | |
| 19076 | Emergency Water Pump Engine | Sulfur Dioxide (SO ₂) | 0.697 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.07 tn/yr | | |
| 19076 | Emergency Water Pump Engine | Volatile Organic Compounds (VOC) | 0.84 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.084 tn/yr | | |
| 19076 | Emergency Water Pump Engine | Total Suspended Particulate Matter (TSP) | 0.748 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.075 tn/yr | | |
| 19076 | Emergency Water Pump Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.748 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.075 tn/yr | | |
| 19076 | Emergency Water Pump Engine | CO ₂ e | 38.9 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19089 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 12.1 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 1.21 tn/yr | | |
| 19089 | Emergency Generator Engine | Carbon Monoxide (CO) | 2.61 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.26 tn/yr | | |
| 19089 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.80 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.08 tn/yr | | |
| 19089 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 0.96 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.10 tn/yr | | |
| 19089 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.86 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.09 tn/yr | | |
| 19089 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.86 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.09 tn/yr | | |
| 19089 | Emergency Generator Engine | CO ₂ e | 38.4 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|---------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19091 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 18.0 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 1.80 tn/yr | | |
| 19091 | Emergency Generator Engine | Carbon Monoxide (CO) | 4.125 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.413 tn/yr | | |
| 19091 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.0091 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.00091 tn/yr | | |
| 19091 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 0.529 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.053 tn/yr | | |
| 19091 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.525 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.053 tn/yr | | |
| 19091 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.525 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.053 tn/yr | | |
| 19091 | Emergency Generator Engine | CO ₂ e | 85.9 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|---------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19093 | Emergency Fire Pump Engine | Oxides of Nitrogen (NO _x) | 15.84 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 1.584 tn/yr | | |
| 19093 | Emergency Fire Pump Engine | Carbon Monoxide (CO) | 3.63 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.363 tn/yr | | |
| 19093 | Emergency Fire Pump Engine | Sulfur Dioxide (SO ₂) | 0.00801 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.0008 tn/yr | | |
| 19093 | Emergency Fire Pump Engine | Volatile Organic Compounds (VOC) | 0.465 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.047 tn/yr | | |
| 19093 | Emergency Fire Pump Engine | Total Suspended Particulate Matter (TSP) | 1.24 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.124 tn/yr | | |
| 19093 | Emergency Fire Pump Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 1.24 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.124 tn/yr | | |
| 19093 | Emergency Fire Pump Engine | CO ₂ e | 75.6 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|-------------------------------|
| | | Pollutant {4} | Quantity {5} | | |
| 19096 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 17.61 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 1.761 tn/yr | | |
| 19096 | Emergency Generator Engine | Carbon Monoxide (CO) | 4.134 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.413 tn/yr | | |
| 19096 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 1.984 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.198 tn/yr | | |
| 19096 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 1.403 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.140 tn/yr | | |
| 19096 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 1.25 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.125 tn/yr | | |
| 19096 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 1.25 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.125 tn/yr | | |
| 19096 | Emergency Generator Engine | CO _{2e} | 65.1 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|---------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19102 | Emergency Fire Pump Engine | Oxides of Nitrogen (NO _x) | 15.84 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 1.584 tn/yr | | |
| 19102 | Emergency Fire Pump Engine | Carbon Monoxide (CO) | 3.63 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.363 tn/yr | | |
| 19102 | Emergency Fire Pump Engine | Sulfur Dioxide (SO ₂) | 0.00801 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.0008 tn/yr | | |
| 19102 | Emergency Fire Pump Engine | Volatile Organic Compounds (VOC) | 0.465 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.047 tn/yr | | |
| 19102 | Emergency Fire Pump Engine | Total Suspended Particulate Matter (TSP) | 1.24 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.124 tn/yr | | |
| 19102 | Emergency Fire Pump Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 1.24 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.124 tn/yr | | |
| 19102 | Emergency Fire Pump Engine | CO ₂ e | 75.6 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|-------------------------------|
| | | Pollutant {4} | Quantity {5} | | |
| 19106 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 5.146 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.515 tn/yr | | |
| 19106 | Emergency Generator Engine | Carbon Monoxide (CO) | 1.204 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.12 tn/yr | | |
| 19106 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.34 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.034 tn/yr | | |
| 19106 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 0.41 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.041 tn/yr | | |
| 19106 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.365 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.037 tn/yr | | |
| 19106 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.365 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.037 tn/yr | | |
| 19106 | Emergency Generator Engine | CO ₂ e | 13.6 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19129 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 6.417 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.642 tn/yr | | |
| 19129 | Emergency Generator Engine | Carbon Monoxide (CO) | 1.383 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.138 tn/yr | | |
| 19129 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.424 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.042 tn/yr | | |
| 19129 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 0.511 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.051 tn/yr | | |
| 19129 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.455 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.046 tn/yr | | |
| 19129 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.455 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.046 tn/yr | | |
| 19129 | Emergency Generator Engine | CO ₂ e | 23.7 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19130 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 28.46 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 2.846 tn/yr | | |
| 19130 | Emergency Generator Engine | Carbon Monoxide (CO) | 22.23 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 2.223 tn/yr | | |
| 19130 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.014 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.001 tn/yr | | |
| 19130 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 2.615 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.262 tn/yr | | |
| 19130 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 1.044 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.104 tn/yr | | |
| 19130 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 1.044 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.104 tn/yr | | |
| 19130 | Emergency Generator Engine | CO ₂ e | 135.8 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19131 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 5.27 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.53 tn/yr | | |
| 19131 | Emergency Generator Engine | Carbon Monoxide (CO) | 1.14 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.11 tn/yr | | |
| 19131 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.35 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.04 tn/yr | | |
| 19131 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 0.42 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.04 tn/yr | | |
| 19131 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.37 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.04 tn/yr | | |
| 19131 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.37 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.04 tn/yr | | |
| 19131 | Emergency Generator Engine | CO ₂ e | 19.5 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19132 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 8.59 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.86 tn/yr | | |
| 19132 | Emergency Generator Engine | Carbon Monoxide (CO) | 1.85 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.19 tn/yr | | |
| 19132 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.57 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.06 tn/yr | | |
| 19132 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 0.68 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.07 tn/yr | | |
| 19132 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.61 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.06 tn/yr | | |
| 19132 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.61 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.06 tn/yr | | |
| 19132 | Emergency Generator Engine | CO ₂ e | 31.7 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19133 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 18.1 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 1.81 tn/yr | | |
| 19133 | Emergency Generator Engine | Carbon Monoxide (CO) | 4.15 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.42 tn/yr | | |
| 19133 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.97 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.10 tn/yr | | |
| 19133 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 0.53 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.05 tn/yr | | |
| 19133 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.53 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.05 tn/yr | | |
| 19133 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.53 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.05 tn/yr | | |
| 19133 | Emergency Generator Engine | CO ₂ e | 86.8 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19134 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 13.5 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 1.35 tn/yr | | |
| 19134 | Emergency Generator Engine | Carbon Monoxide (CO) | 2.91 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.29 tn/yr | | |
| 19134 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.89 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.09 tn/yr | | |
| 19134 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 1.07 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.11 tn/yr | | |
| 19134 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.96 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.10 tn/yr | | |
| 19134 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.96 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.10 tn/yr | | |
| 19134 | Emergency Generator Engine | CO ₂ e | 49.8 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19135 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 52.8 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 5.28 tn/yr | | |
| 19135 | Emergency Generator Engine | Carbon Monoxide (CO) | 45.7 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 4.57 tn/yr | | |
| 19135 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.68 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.068 tn/yr | | |
| 19135 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | N/A ¹ | | |
| 19135 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | N/A ¹ | | |
| 19135 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.12 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.012 tn/yr | | |
| 19135 | Emergency Generator Engine | CO ₂ e | 109.3 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|-------------------------------|
| | | Pollutant {4} | Quantity {5} | | |
| 19140 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | N/A ¹ | | |
| 19140 | Emergency Generator Engine | Carbon Monoxide (CO) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | N/A ¹ | | |
| 19140 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | N/A ¹ | | |
| 19140 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | N/A ¹ | | |
| 19140 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | N/A ¹ | | |
| 19140 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | N/A ¹ | | |
| 19140 | Emergency Generator Engine | CO ₂ e | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|-------------------------------|
| | | Pollutant {4} | Quantity {5} | | |
| 19142 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 3.162 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.316 tn/yr | | |
| 19142 | Emergency Generator Engine | Carbon Monoxide (CO) | 0.681 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.0681 tn/yr | | |
| 19142 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.209 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.021 tn/yr | | |
| 19142 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 0.252 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.025 tn/yr | | |
| 19142 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.224 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.022 tn/yr | | |
| 19142 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.224 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.022 tn/yr | | |
| 19142 | Emergency Generator Engine | CO ₂ e | 11.7 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|-------------------------------|
| | | Pollutant {4} | Quantity {5} | | |
| 19143 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 1.55 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.155 tn/yr | | |
| 19143 | Emergency Generator Engine | Carbon Monoxide (CO) | 0.334 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.033 tn/yr | | |
| 19143 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.103 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.010 tn/yr | | |
| 19143 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 0.124 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.012 tn/yr | | |
| 19143 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.11 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.011 tn/yr | | |
| 19143 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.11 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.011 tn/yr | | |
| 19143 | Emergency Generator Engine | CO _{2e} | 5.7 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19147 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 18.6 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 1.86 tn/yr | | |
| 19147 | Emergency Generator Engine | Carbon Monoxide (CO) | 4.94 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.49 tn/yr | | |
| 19147 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.97 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.10 tn/yr | | |
| 19147 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 0.52 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.05 tn/yr | | |
| 19147 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.58 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.06 tn/yr | | |
| 19147 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.58 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.06 tn/yr | | |
| 19147 | Emergency Generator Engine | CO ₂ e | 86.8 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19148 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 18.2 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 1.82 tn/yr | | |
| 19148 | Emergency Generator Engine | Carbon Monoxide (CO) | 3.91 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.39 tn/yr | | |
| 19148 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 1.19 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.12 tn/yr | | |
| 19148 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 1.44 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.14 tn/yr | | |
| 19148 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 1.28 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.13 tn/yr | | |
| 19148 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 1.28 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart ZZZZ |
| | | | 0.13 tn/yr | | |
| 19148 | Emergency Generator Engine | CO ₂ e | 61.3 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(S) {7} |
|--------------|---|---|--------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19151 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 1.39 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.35 tn/yr | | |
| 19151 | Emergency Generator Engine | Carbon Monoxide (CO) | 0.66 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.16 tn/yr | | |
| 19151 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.20 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.05 tn/yr | | |
| 19151 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 0.24 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.06 tn/yr | | |
| 19151 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.21 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.05 tn/yr | | |
| 19151 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.21 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.05 tn/yr | | |
| 19151 | Emergency Generator Engine | CO ₂ e | 28.3 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19153 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | N/A ¹ | | |
| 19153 | Emergency Generator Engine | Carbon Monoxide (CO) | 4.34 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.43 tn/yr | | |
| 19153 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.009 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.0009 tn/yr | | |
| 19153 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | N/A ¹ | | |
| 19153 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.25 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.03 tn/yr | | |
| 19153 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.25 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.03 tn/yr | | |
| 19153 | Emergency Generator Engine | CO ₂ e | 86.8 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|-------------------------------|
| | | Pollutant {4} | Quantity {5} | | |
| 19154 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 2.034 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.203 tn/yr | | |
| 19154 | Emergency Generator Engine | Carbon Monoxide (CO) | 0.438 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.044 tn/yr | | |
| 19154 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.134 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.013 tn/yr | | |
| 19154 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 0.162 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.016 tn/yr | | |
| 19154 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.144 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.014 tn/yr | | |
| 19154 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.144 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.014 tn/yr | | |
| 19154 | Emergency Generator Engine | CO ₂ e | 7.5 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(S) {7} |
|--------------|---|---|------------------|--|---|
| | | Pollutant {4} | Quantity {5} | | |
| 19155 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 6.76 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.68 tn/yr | | |
| 19155 | Emergency Generator Engine | Carbon Monoxide (CO) | 4.24 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.42 tn/yr | | |
| 19155 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 2.13 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.21 tn/yr | | |
| 19155 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 7.23 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.727 tn/yr | | |
| 19155 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | N/A ¹ | | |
| 19155 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.19 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.02 tn/yr | | |
| 19155 | Emergency Generator Engine | CO ₂ e | 86.1 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|---|
| | | Pollutant {4} | Quantity {5} | | |
| 19156 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 6.76 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.68 tn/yr | | |
| 19156 | Emergency Generator Engine | Carbon Monoxide (CO) | 4.24 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.42 tn/yr | | |
| 19156 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 2.13 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.21 tn/yr | | |
| 19156 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 7.23 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.727 tn/yr | | |
| 19156 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | N/A ¹ | | |
| 19156 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.19 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.02 tn/yr | | |
| 19156 | Emergency Generator Engine | CO ₂ e | 86.1 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|---|
| | | Pollutant {4} | Quantity {5} | | |
| 19157 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 6.76 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.68 tn/yr | | |
| 19157 | Emergency Generator Engine | Carbon Monoxide (CO) | 4.24 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.42 tn/yr | | |
| 19157 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 2.13 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.21 tn/yr | | |
| 19157 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 7.23 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.727 tn/yr | | |
| 19157 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | N/A ¹ | | |
| 19157 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.19 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.02 tn/yr | | |
| 19157 | Emergency Generator Engine | CO ₂ e | 86.1 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|---|
| | | Pollutant {4} | Quantity {5} | | |
| 19158 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 6.76 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.68 tn/yr | | |
| 19158 | Emergency Generator Engine | Carbon Monoxide (CO) | 4.24 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.42 tn/yr | | |
| 19158 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 2.13 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.21 tn/yr | | |
| 19158 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 7.23 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.727 tn/yr | | |
| 19158 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | N/A ¹ | | |
| 19158 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.19 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.02 tn/yr | | |
| 19158 | Emergency Generator Engine | CO ₂ e | 86.1 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(S) {7} |
|--------------|---|--|------------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19159 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 7.01 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.70 tn/yr | | |
| 19159 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) & Volatile Organic Compounds (VOC) | 7.15 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.71 tn/yr | | |
| 19159 | Emergency Generator Engine | Carbon Monoxide (CO) | 4.26 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.43 tn/yr | | |
| 19159 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.022 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.002 tn/yr | | |
| 19159 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 0.48 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.05 tn/yr | | |
| 19159 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | N/A ¹ | | |
| 19159 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.14 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.01 tn/yr | | |
| 19159 | Emergency Generator Engine | CO ₂ e | 87.6 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19160 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | N/A ¹ | | |
| 19160 | Emergency Generator Engine | Non Methane Hydrocarbons (NMHC) & Oxides of Nitrogen (NO _x) | 1.05 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.10 tn/yr | | |
| 19160 | Emergency Generator Engine | Carbon Monoxide (CO) | 0.63 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.1 tn/yr | | |
| 19160 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.19 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.02 tn/yr | | |
| 19160 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | N/A ¹ | | |
| 19160 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.05 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.005 tn/yr | | |
| 19160 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.05 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.005 tn/yr | | |
| 19160 | Emergency Generator Engine | CO ₂ e | 10.8 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(S) {7} |
|--------------|---|---|------------------|---|---|
| | | Pollutant {4} | Quantity {5} | | |
| 19161 | Emergency Generator Engine | (NO _x) | N/A ¹ | See Attachment C (Emission Calculations) | 40 CFR 60, Subpart III |
| | | | N/A ¹ | | |
| 19161 | Emergency Generator Engine | Non Methane Hydrocarbons (NMHC) & Oxides of Nitrogen (NO _x) | 2.29 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.229 tn/yr | | |
| 19161 | Emergency Generator Engine | Carbon Monoxide (CO) | 2.00 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.20 tn/yr | | |
| 19161 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.71 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.071 tn/yr | | |
| 19161 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | N/A ¹ | | |
| 19161 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.11 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.011 tn/yr | | |
| 19161 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.11 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.011 tn/yr | | |
| 19161 | Emergency Generator Engine | CO ₂ e | 39.9 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|---|
| | | Pollutant {4} | Quantity {5} | | |
| 19163 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | N/A ¹ | | |
| 19163 | Emergency Generator Engine | Non Methane Hydrocarbons (NMHC) & Oxides of Nitrogen (NO _x) | 2.64 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.26 tn/yr | | |
| 19163 | Emergency Generator Engine | Carbon Monoxide (CO) | 2.29 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.23 tn/yr | | |
| 19163 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.82 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.08 tn/yr | | |
| 19163 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | N/A ¹ | | |
| 19163 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.13 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.01 tn/yr | | |
| 19163 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.13 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.01 tn/yr | | |
| 19163 | Emergency Generator Engine | CO ₂ e | 45.7 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(S) {7} |
|--------------|---|---|------------------|--|---|
| | | Pollutant {4} | Quantity {5} | | |
| 19164 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | N/A ¹ | | |
| 19164 | Emergency Generator Engine | Non Methane Hydrocarbons (NMHC) & Oxides of Nitrogen (NO _x) | 1.65 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.17 tn/yr | | |
| 19164 | Emergency Generator Engine | Carbon Monoxide (CO) | 1.43 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.14 tn/yr | | |
| 19164 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.51 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.051 tn/yr | | |
| 19164 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | N/A ¹ | | |
| 19164 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.083 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.0083 tn/yr | | |
| 19164 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.083 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.0083 tn/yr | | |
| 19164 | Emergency Generator Engine | CO ₂ e | 28.6 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|-------------------------------|
| | | Pollutant {4} | Quantity {5} | | |
| 19168 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 0.78 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.078 tn/yr | | |
| 19168 | Emergency Generator Engine | Carbon Monoxide (CO) | 0.17 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.017 tn/yr | | |
| 19168 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.05 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.005 tn/yr | | |
| 19168 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 0.06 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.006 tn/yr | | |
| 19168 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.06 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.006 tn/yr | | |
| 19168 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.06 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.006 tn/yr | | |
| 19168 | Emergency Generator Engine | CO ₂ e | 2.9 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(S) {7} |
|--------------|---|---|--------------|--|---|
| | | Pollutant {4} | Quantity {5} | | |
| 19169 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 15.44 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 1.54 tn/yr | | |
| 19169 | Emergency Generator Engine | Non Methane Hydrocarbons (NMHC) & Oxides of Nitrogen (NO _x) | 15.77 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 1.58 tn/yr | | |
| 19169 | Emergency Generator Engine | Carbon Monoxide (CO) | 8.54 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.85 tn/yr | | |
| 19169 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.36 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.04 tn/yr | | |
| 19169 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 0.33 lb/yr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.03 tn/yr | | |
| 19169 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.49 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.05 tn/yr | | |
| 19169 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.49 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.05 tn/yr | | |
| 19169 | Emergency Generator Engine | CO ₂ e | 170.6 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(S) {7} |
|--------------|---|--|--------------|--|---|
| | | Pollutant {4} | Quantity {5} | | |
| 19170 | Emergency Generator Engine | Non Methane Hydrocarbons (NMHC) & Oxides of Nitrogen (NOx) | 7.99 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.80 tn/yr | | |
| 19170 | Emergency Generator Engine | Carbon Monoxide (CO) | 4.33 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.43 tn/yr | | |
| 19170 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.01 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.001 tn/yr | | |
| 19170 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.25 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.02 tn/yr | | |
| 19170 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.25 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.02 tn/yr | | |
| 19170 | Emergency Generator Engine | CO ₂ e | 86.8 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|--|--------------|--|---|
| | | Pollutant {4} | Quantity {5} | | |
| 19171 | Emergency Generator Engine | Non Methane Hydrocarbons (NMHC) & Oxides of Nitrogen (NOx) | 7.99 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.80 tn/yr | | |
| 19171 | Emergency Generator Engine | Carbon Monoxide (CO) | 4.33 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.43 tn/yr | | |
| 19171 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.01 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.001 tn/yr | | |
| 19171 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.25 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.02 tn/yr | | |
| 19171 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.25 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.02 tn/yr | | |
| 19171 | Emergency Generator Engine | CO ₂ e | 86.8 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(S) {7} |
|--------------|---|--|--------------|--|---|
| | | Pollutant {4} | Quantity {5} | | |
| 19172 | Emergency Generator Engine | Non Methane Hydrocarbons (NMHC) & Oxides of Nitrogen (NOx) | 7.99 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.80 tn/yr | | |
| 19172 | Emergency Generator Engine | Carbon Monoxide (CO) | 4.33 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.43 tn/yr | | |
| 19172 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.01 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.001 tn/yr | | |
| 19172 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.25 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.02 tn/yr | | |
| 19172 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.25 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.02 tn/yr | | |
| 19172 | Emergency Generator Engine | CO ₂ e | 86.8 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|--|--------------|--|---|
| | | Pollutant {4} | Quantity {5} | | |
| 19173 | Emergency Generator Engine | Non Methane Hydrocarbons (NMHC) & Oxides of Nitrogen (NOx) | 7.99 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.80 tn/yr | | |
| 19173 | Emergency Generator Engine | Carbon Monoxide (CO) | 4.33 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.43 tn/yr | | |
| 19173 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.01 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.001 tn/yr | | |
| 19173 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.25 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.02 tn/yr | | |
| 19173 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.25 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.02 tn/yr | | |
| 19173 | Emergency Generator Engine | CO ₂ e | 86.8 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|--|--------------|--|---|
| | | Pollutant {4} | Quantity {5} | | |
| 19174 | Emergency Generator Engine | Non Methane Hydrocarbons (NMHC) & Oxides of Nitrogen (NOx) | 12.92 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 1.33 tn/yr | | |
| 19174 | Emergency Generator Engine | Carbon Monoxide (CO) | 7.00 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.70 tn/yr | | |
| 19174 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.32 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.03 tn/yr | | |
| 19174 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.40 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.04 tn/yr | | |
| 19174 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.40 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.04 tn/yr | | |
| 19174 | Emergency Generator Engine | CO _{2e} | 139.7 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|---|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19176 | Emergency Generator Engine | Non Methane Hydrocarbons (NMHC) & Oxides of Nitrogen (NO _x) | 7.17 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.72 tn/yr | | |
| 19176 | Emergency Generator Engine | Carbon Monoxide (CO) | 4.33 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.43 tn/yr | | |
| 19176 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.01 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.001 tn/yr | | |
| 19176 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.25 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.025 tn/yr | | |
| 19176 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.25 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.025 tn/yr | | |
| 19176 | Emergency Generator Engine | CO ₂ e | 86.8 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(S) {7} |
|--------------|---|---|--------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19177 | Emergency Generator Engine | Non Methane Hydrocarbons (NMHC) & Oxides of Nitrogen (NO _x) | 7.17 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.72 tn/yr | | |
| 19177 | Emergency Generator Engine | Carbon Monoxide (CO) | 4.33 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.43 tn/yr | | |
| 19177 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.01 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.001 tn/yr | | |
| 19177 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.25 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.025 tn/yr | | |
| 19177 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.25 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.025 tn/yr | | |
| 19177 | Emergency Generator Engine | CO ₂ e | 86.8 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|---|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19178 | Emergency Generator Engine | Non Methane Hydrocarbons (NMHC) & Oxides of Nitrogen (NO _x) | 11.71 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 1.16 tn/yr | | |
| 19178 | Emergency Generator Engine | Carbon Monoxide (CO) | 7.00 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.70 tn/yr | | |
| 19178 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.32 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.03 tn/yr | | |
| 19178 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.40 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.04 tn/yr | | |
| 19178 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.40 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.04 tn/yr | | |
| 19178 | Emergency Generator Engine | CO _{2e} | 139.7 tn/yr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19179 | Emergency Generator Engine | Non Methane Hydrocarbons (NMHC) & Oxides of Nitrogen (NO _x) | 0.57 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.06 tn/yr | | |
| 19179 | Emergency Generator Engine | Carbon Monoxide (CO) | 0.61 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.06 tn/yr | | |
| 19179 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.15 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.02 tn/yr | | |
| 19179 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.004 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.0004 tn/yr | | |
| 19179 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.004 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.0004 tn/yr | | |
| 19179 | Emergency Generator Engine | CO ₂ e | 8.5 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(S) {7} |
|--------------|---|---|--------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19181 | Emergency Generator Engine | Non Methane Hydrocarbons (NMHC) & Oxides of Nitrogen (NO _x) | 0.93 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.093 tn/yr | | |
| 19181 | Emergency Generator Engine | Carbon Monoxide (CO) | 1.01 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.10 tn/yr | | |
| 19181 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.36 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.04 tn/yr | | |
| 19181 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.06 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.006 tn/yr | | |
| 19181 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.06 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.006 tn/yr | | |
| 19181 | Emergency Generator Engine | CO ₂ e | 20.2 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|--------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19182 | Emergency Generator Engine | Non Methane Hydrocarbons (NMHC) & Oxides of Nitrogen (NO _x) | 0.91 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.092 tn/yr | | |
| 19182 | Emergency Generator Engine | Carbon Monoxide (CO) | 1.01 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.10 tn/yr | | |
| 19182 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.36 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.04 tn/yr | | |
| 19182 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | 0.06 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.006 tn/yr | | |
| 19182 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.06 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.006 tn/yr | | |
| 19182 | Emergency Generator Engine | CO ₂ e | 20.2 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|--|------------------|---|---|
| | | Pollutant {4} | Quantity {5} | | |
| 19186 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 7.59 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.76 tn/yr | | |
| 19186 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) & Volatile Organic Compounds (VOC) | 7.99 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.80 tn/yr | | |
| 19186 | Emergency Generator Engine | Carbon Monoxide (CO) | 4.33 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.43 tn/yr | | |
| 19186 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 6.11 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.61 tn/yr | | |
| 19186 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | N/A ¹ | | |
| 19186 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.17 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart III |
| | | | 0.02 tn/yr | | |
| 19186 | Emergency Generator Engine | CO _{2e} | 86.8 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19188 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 2.04 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.51 tn/yr | | |
| 19188 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 0.11 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.027 tn/yr | | |
| 19188 | Emergency Generator Engine | Carbon Monoxide (CO) | 1.86 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.46 tn/yr | | |
| 19188 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.664 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.17 tn/yr | | |
| 19188 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | N/A ¹ | | |
| 19188 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.11 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.027 tn/yr | | |
| 19188 | Emergency Generator Engine | CO _{2e} | 37.2 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 19190 | Emergency Generator Engine | Oxides of Nitrogen (NO _x) | 0.59 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.059 tn/yr | | |
| 19190 | Emergency Generator Engine | Volatile Organic Compounds (VOC) | 0.032 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.003 tn/yr | | |
| 19190 | Emergency Generator Engine | Carbon Monoxide (CO) | 0.66 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.066 tn/yr | | |
| 19190 | Emergency Generator Engine | Sulfur Dioxide (SO ₂) | 0.0005 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.00005 tn/yr | | |
| 19190 | Emergency Generator Engine | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | N/A ¹ | | |
| 19190 | Emergency Generator Engine | Particulate Matter (PM ₁₀ /PM _{2.5}) | 0.053 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 60, Subpart IIII |
| | | | 0.005 tn/yr | | |
| 19190 | Emergency Generator Engine | CO _{2e} | 10.7 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|-------------------------------|
| | | Pollutant {4} | Quantity {5} | | |
| 20002 | T700 Kerosene-fired helicopter engine | Oxides of Nitrogen (NO _x) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.44 tn/yr | | |
| 20002 | T700 Kerosene-fired helicopter engine | Carbon Monoxide (CO) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.46 tn/yr | | |
| 20002 | T700 Kerosene-fired helicopter engine | Sulfur Dioxide (SO ₂) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.04 tn/yr | | |
| 20002 | T700 Kerosene-fired helicopter engine | Volatile Organic Compounds (VOC) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.42 tn/yr | | |
| 20002 | T700 Kerosene-fired helicopter engine | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.07 tn/yr | | |
| 20002 | T700 Kerosene-fired helicopter engine | Particulate Matter (PM ₁₀) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.07 tn/yr | | |
| 20002 | T700 Kerosene-fired helicopter engine | Particulate Matter (PM _{2.5}) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.07 tn/yr | | |
| 20002 | T700 Kerosene-fired helicopter engine | Hazardous Air Pollutants (HAP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.03 tn/yr | | |
| 20002 | T700 Kerosene-fired helicopter engine | CO ₂ e | 280.0 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(S) {7} |
|--------------|---|---|------------------|--|-------------------------------|
| | | Pollutant {4} | Quantity {5} | | |
| 20004 | T400 Kerosene-fired helicopter engine | Oxides of Nitrogen (NO _x) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.23 tn/yr | | |
| 20004 | T400 Kerosene-fired helicopter engine | Carbon Monoxide (CO) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.38 tn/yr | | |
| 20004 | T400 Kerosene-fired helicopter engine | Sulfur Dioxide (SO ₂) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.04 tn/yr | | |
| 20004 | T400 Kerosene-fired helicopter engine | Volatile Organic Compounds (VOC) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.10 tn/yr | | |
| 20004 | T400 Kerosene-fired helicopter engine | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.02 tn/yr | | |
| 20004 | T400 Kerosene-fired helicopter engine | Particulate Matter (PM ₁₀) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.02 tn/yr | | |
| 20004 | T400 Kerosene-fired helicopter engine | Particulate Matter (PM _{2.5}) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.02 tn/yr | | |
| 20004 | T400 Kerosene-fired helicopter engine | Hazardous Air Pollutants (HAP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.03 tn/yr | | |
| 20004 | T400 Kerosene-fired helicopter engine | CO ₂ e | 290.7 tn/yr | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|-------------------------------|
| | | Pollutant {4} | Quantity {5} | | |
| 21004 | 58 SOW Paint Booth | Oxides of Nitrogen (NO _x) | N/A ¹ | See Appendix C (Emission Calculations) | 20.11.41 NMAC |
| | | | N/A ¹ | | |
| 21004 | 58 SOW Paint Booth | Carbon Monoxide (CO) | N/A ¹ | See Appendix C (Emission Calculations) | 20.11.41 NMAC |
| | | | N/A ¹ | | |
| 21004 | 58 SOW Paint Booth | Sulfur Dioxide (SO ₂) | N/A ¹ | See Appendix C (Emission Calculations) | 20.11.41 NMAC |
| | | | N/A ¹ | | |
| 21004 | 58 SOW Paint Booth | Volatile Organic Compounds (VOC) | 36.30 lb/hr | See Appendix C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.67 tn/yr | | |
| 21004 | 58 SOW Paint Booth | Total Suspended Particulate Matter (TSP) | 1.28 lb/hr | See Appendix C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.032 tn/yr | | |
| 21004 | 58 SOW Paint Booth | Particulate Matter (PM ₁₀ /PM _{2.5}) | 1.28 lb/hr | See Appendix C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.032 tn/yr | | |
| 21004 | 58 SOW Paint Booth | Volatile Hazardous Air Pollutant (VHAP) | N/A ¹ | See Appendix C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.14 tn/yr | | |
| 21004 | 58 SOW Paint Booth | Particulate Hazardous Air Pollutants (pHAP) | N/A ¹ | See Appendix C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.004 tn/yr | | |
| 21004 | 58 SOW Paint Booth | CO ₂ e | N/A ¹ | See Appendix C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(S) {7} |
|--------------|---|---|------------------|--|-------------------------------|
| | | Pollutant {4} | Quantity {5} | | |
| 21015 | 58 SOW Corrosion Control Facility (CCF) | Oxides of Nitrogen (NO _x) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | N/A ¹ | | |
| 21015 | 58 SOW Corrosion Control Facility (CCF) | Carbon Monoxide (CO) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | N/A ¹ | | |
| 21015 | 58 SOW Corrosion Control Facility (CCF) | Sulfur Dioxide (SO ₂) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | N/A ¹ | | |
| 21015 | 58 SOW Corrosion Control Facility (CCF) | Volatile Organic Compounds (VOC) | 60.0 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.95 tn/yr | | |
| 21015 | 58 SOW Corrosion Control Facility (CCF) | Total Suspended Particulate Matter (TSP) | 5.16 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.14 tn/yr | | |
| 21015 | 58 SOW Corrosion Control Facility (CCF) | Particulate Matter (PM ₁₀ /PM _{2.5}) | 5.16 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.14 tn/yr | | |
| 21015 | 58 SOW Corrosion Control Facility (CCF) | Particulate Hazardous Air Pollutants (pHAP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC |
| | | | 0.12 tn/yr | | |
| 21015 | 58 SOW Corrosion Control Facility (CCF) | CO ₂ e | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 22003 | Gasoline Storage | Oxides of Nitrogen (NO _x) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 22003 | Gasoline Storage | Carbon Monoxide (CO) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 22003 | Gasoline Storage | Sulfur Dioxide (SO ₂) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 22003 | Gasoline Storage | Volatile Organic Compounds (VOC) | 2.76 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | 3.78 tn/yr | | |
| 22003 | Gasoline Storage | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 22003 | Gasoline Storage | Particulate Matter (PM ₁₀ /PM _{2.5}) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 22003 | Gasoline Storage | CO ₂ e | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 22004 | Gasoline Storage | Oxides of Nitrogen (NO _x) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 22004 | Gasoline Storage | Carbon Monoxide (CO) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 22004 | Gasoline Storage | Sulfur Dioxide (SO ₂) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 22004 | Gasoline Storage | Volatile Organic Compounds (VOC) | 2.76 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | 2.90 tn/yr | | |
| 22004 | Gasoline Storage | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 22004 | Gasoline Storage | Particulate Matter (PM ₁₀ /PM _{2.5}) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 22004 | Gasoline Storage | CO ₂ e | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 22005 | Gasoline Storage | Oxides of Nitrogen (NO _x) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 22005 | Gasoline Storage | Carbon Monoxide (CO) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 22005 | Gasoline Storage | Sulfur Dioxide (SO ₂) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 22005 | Gasoline Storage | Volatile Organic Compounds (VOC) | 30.70 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | 2.31 tn/yr | | |
| 22005 | Gasoline Storage | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 22005 | Gasoline Storage | Particulate Matter (PM ₁₀ /PM _{2.5}) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 22005 | Gasoline Storage | CO ₂ e | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 22015 | E85 Fuel Storage | Oxides of Nitrogen (NO _x) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 22015 | E85 Fuel Storage | Carbon Monoxide (CO) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 22015 | E85 Fuel Storage | Sulfur Dioxide (SO ₂) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 22015 | E85 Fuel Storage | Volatile Organic Compounds (VOC) | 3.75 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | 5.70 tn/yr | | |
| 22015 | E85 Fuel Storage | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 22015 | E85 Fuel Storage | Particulate Matter (PM ₁₀ /PM _{2.5}) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 22015 | E85 Fuel Storage | CO ₂ e | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 25012 | Gasoline Storage | Oxides of Nitrogen (NO _x) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 25012 | Gasoline Storage | Carbon Monoxide (CO) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 25012 | Gasoline Storage | Sulfur Dioxide (SO ₂) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 25012 | Gasoline Storage | Volatile Organic Compounds (VOC) | 9.96 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | 0.58 tn/yr | | |
| 25012 | Gasoline Storage | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 25012 | Gasoline Storage | Particulate Matter (PM ₁₀ /PM _{2.5}) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 25012 | Gasoline Storage | CO ₂ e | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|--|
| | | Pollutant {4} | Quantity {5} | | |
| 25017 | Gasoline Storage | Oxides of Nitrogen (NO _x) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 25017 | Gasoline Storage | Carbon Monoxide (CO) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 25017 | Gasoline Storage | Sulfur Dioxide (SO ₂) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 25017 | Gasoline Storage | Volatile Organic Compounds (VOC) | 12.00 lb/hr | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | 0.2 tn/yr | | |
| 25017 | Gasoline Storage | Total Suspended Particulate Matter (TSP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 25017 | Gasoline Storage | Particulate Matter (PM ₁₀ /PM _{2.5}) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.41 NMAC 40 CFR 63, Subpart CCCCCC |
| | | | N/A ¹ | | |
| 25017 | Gasoline Storage | CO ₂ e | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.42 NMAC |

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| UNIT No. {1} | EMISSIONS UNITS, PROCESS or OPERATION {2} | UNCONTROLLED AIR POLLUTANT EMISSION RATES {3} | | MEASUREMENT OR ESTIMATION METHOD {6} | APPLICABLE REQUIREMENT(s) {7} |
|--------------|---|---|------------------|--|-------------------------------|
| | | Pollutant {4} | Quantity {5} | | |
| 31999 | Basewide Miscellaneous Paint and Chemical Usage | Oxides of Nitrogen (NO _x) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 31999 | Basewide Miscellaneous Paint and Chemical Usage | Carbon Monoxide (CO) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 31999 | Basewide Miscellaneous Paint and Chemical Usage | Sulfur Dioxide (SO ₂) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | N/A ¹ | | |
| 31999 | Basewide Miscellaneous Paint and Chemical Usage | Volatile Organic Compounds (VOC) | 158 lb/hr | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | 78.03 tn/yr | | |
| 31999 | Basewide Miscellaneous Paint and Chemical Usage | Total Suspended Particulate Matter (TSP) | 2.08 lb/hr | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | 1.03 tn/yr | | |
| 31999 | Basewide Miscellaneous Paint and Chemical Usage | Particulate Matter (PM ₁₀ /PM _{2.5}) | 2.08 lb/hr | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | 1.03 tn/yr | | |
| 31999 | Basewide Miscellaneous Paint and Chemical Usage | Hazardous Air Pollutants (HAP) | N/A ¹ | See Attachment C (Emission Calculations) | 20.11.40 NMAC |
| | | | 2.93 tn/yr | | |

¹ These units do not have permitted emissions listed in their respective permit, emergency permit or source registration, therefore emission rates were listed as N/A.

Section 2: Air Pollutant Emissions Rates Prior to Control or Abatement Equipment, or to Atmosphere if Uncontrolled

Each piece of equipment in the facility that emits air pollutants must be listed in this section. Maximum possible emissions rates prior to air pollution control equipment, waste abatement equipment, process control capture equipment, or to the atmosphere for uncontrolled emissions are to be provided in this section. Calculations made to determine the values shown on the form are to be shown and referenced in Package Element 6 (Emissions Calculations).

These emissions include: pollutants for which the source is major; regulated air pollutants; all fugitive emissions; and any hazardous or toxic air contaminants emitted as part of plant processes. If products or raw materials are stored and pollutants are passively released through off gassing while in storage, these pollutants must also be listed. Emissions from flares and wood waste burners should be listed in this section.

Notes

- {1} Use the process or operation equipment unit numbers that were assigned to each piece of equipment in Package Element 4A (Process Flow Sheets) above. For fugitive emissions, describe the source of the emissions. For liquid tank and solid material storage, use the tank or storage unit number.
- {2} For example: boiler, catalyst regeneration units, flare, furnace, gas engine, haul road, iron melting cupola, material dryer, process fugitive, silo, smelter furnace, solvent cleaner, storage tanks, etc.
- {3} Use one line for each pollutant emitted by each piece of equipment. Attach additional sheets if required.
- {4} List each pollutant defined by EPA to be a regulated air pollutant that this source emits. Also list all other pollutants for which this source is major. Provide trade name or common name and chemical composition if known. (E.g. particulate matter (describe composition), SO₂, CO, hydrogen sulfide, nitrogen oxides (as nitrogen dioxide), etc.)
- {5} Maximum allowable quantities at maximum allowable production rates and 8760 hours per year unless limited by federally enforceable permit conditions. See Section 1, Line 37. tn = tons (2,000 lb).
- {6} Specify how the quantity of emitted pollutant was determined: from actual measurement (specify equipment used) of emissions (preferred), process material balances, equipment manufacturer's information, EPA emission factor, or other source. Show the calculations used to obtain the emission rates in Package Element 4B (Emissions Calculations).
- {7} Specify the requirement(s) that is(are) applicable to this process, operation or emission unit. See Part 42 for list of applicable requirements. E.g. 20.11.67.20 NMAC; NSPS Subpart GG; 20.11.41 NMAC. If there is insufficient room on the form, please attach a clearly identified additional sheet.

SECTION 3 EMISSIONS FROM AIR POLLUTION CONTROL EQUIPMENT AND FROM UNCONTROLLED PROCESS EQUIPMENT
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| Emission Unit Nos. {1} | CONTROL EQUIPMENT | | | AIR POLLUTANTS EMITTED {4} | | | CONTROL EFFICIENCY | | APPLICABLE REQUIREMENTS {8} | |
|------------------------|-------------------|-----------------------------|-------------------------------|----------------------------|--------------|----------------------------------|--------------------------------------|-------------|-----------------------------|-----------------------------|
| | Unit No. {2} | Type {3} | Manufacturer and Model Number | Pollutant {5} | Quantity {6} | | | % by Weight | | Method of Determination {7} |
| | | | | | Actual | Units | Allowable | | | |
| 12009 | 12009 | Granulated Activated Carbon | N/A | VOC | N/A N/A | lb/hr tn/yr lb/hr tn/yr | N/A ¹ N/A ¹ | 50% | Manufacturer's Data | 20.11.41 NMAC |
| 12009 | 12009 | Granulated Activated Carbon | N/A | HAP | N/A N/A | lb/hr tn/yr lb/hr tn/yr | N/A ¹ N/A ¹ | 50% | Manufacturer's Data | 20.11.41 NMAC |
| 18001 | 18001 | Catalyst ² | TBD | CO | TBD TBD | lb/hr tn/yr lb/hr tn/yr | TBD TBD | TBD | TBD | 40 CFR 63.6603 and Table 2d |
| 21004 | 21004 | Dry Filters | N/A | TSP | N/A N/A | lb/hr tn/yr lb/hr tn/yr | 1.28 0.032 | 89.76% | Manufacturer's Data | 20.11.41 NMAC |
| 21004 | 21004 | Dry Filters | N/A | Total pHAP | N/A N/A | lb/hr tn/yr lb/hr tn/yr | N/A ¹ 0.004 | 89.76% | Manufacturer's Data | 20.11.41 NMAC |
| 21015 | 21015 | Dry Filters | N/A | TSP | N/A N/A | lb/hr tn/yr lb/hr tn/yr | 5.16 0.14 | 75% | Manufacturer's Data | 20.11.41 NMAC |
| 21015 | 21015 | Dry Filters | N/A | Total pHAP | N/A N/A | lb/hr tn/yr lb/hr tn/yr | N/A ¹ 0.12 | 75% | Manufacturer's Data | 20.11.41 NMAC |

¹ These units do not have permitted emissions listed in their respective permit, emergency permit or source registration, therefore emission rates were listed as N/A.

² The landfill mulcher (Unit ID 18001) has been modified to incorporate a catalyst to reduce CO emissions according to 40 CFR 63 Subpart ZZZZ. However, Construction Permit 3048-2TR has not yet been revised to include this information, therefore this section will be updated once the revised construction permit has been issued.

Section 3: Emissions From Air Pollution Control Equipment and from Uncontrolled Process Equipment

1 These units do not have permitted emissions listed in their respective permit, emergency permit section. This includes fugitive process emissions, and other fugitive or indirect emissions resulting from activities of this facility, e.g. fugitive dust from haul roads. [Insignificant activities are found in Package Element 9.]

Provide emissions rates from air pollution control equipment, waste abatement equipment, process control capture equipment, and from uncontrolled processes, operations or activities. Calculations made to determine the values shown on the form are to be shown and referenced in Package Element 4B (Emissions Calculations). These emissions include: pollutants for which the source is major; regulated air pollutants; and any hazardous or toxic air contaminants emitted as part of plant processes. Emissions from flares, sulfur recovery units, VOC afterburners, and wood waste burners must also be listed.

Sufficient information must be included for the department to evaluate, and verify, the operation and stated control efficiencies of the control equipment involved. Attach additional sheets as needed to list all control equipment. Include references to process flow sheets required in Package Element 4A and attach any equipment layout and assembly drawings as necessary to describe all air pollution control equipment.

Notes:

- {1} List the emission unit numbers that feed each individual piece of control equipment. If multiple process units (with individual numbers) discharge to one control equipment unit, list all emission unit numbers that feed that control equipment unit. For liquid tank and solid material storage, use the tank or storage unit number.
- {2} Corresponding to control equipment unit numbers from Package Element 4.
- {3} Baghouse, cyclone, electrostatic precipitator, enclosures, scrubber, VOC afterburners, etc.
- {4} Emissions after gases have passed through control equipment. Use one line for each pollutant emitted. Attach additional sheets if required.
- {5} SO₂, NO_x, particulate matter, etc.
- {6} "Actual" rates are based on actual production and hours of operation. "Allowable" values are based on maximum allowable production rates. If there is no control equipment, the values in the "Allowable" column are the same as the values in the "Quantity" column in Section 2. List quantities in both pounds per hour and tons per year. Yearly values are based on 8760 hours per year unless the applicant desires to restrict hours of operation as a permit condition. If the emission rate is limited by a federally enforceable applicable requirement, then provide the value of this rate.
- {7} Field test results, manufacturer's data, etc. See note {6} from Section 2, Air Pollutant Emission Rates.
- {8} Specify the requirement(s) that apply to this control equipment unit and process.

SECTION 4 COMPLIANCE MONITORING DEVICES AND EQUIPMENT

(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| Unit No. {1} | Pollutant Monitored or Measured | Type of Instrument {2} | Manufacturer and Model Number | Range {3} | Sensitivity | Accuracy | Emission Units {4} | Location of Monitor {5} |
|-----------------|---------------------------------|---------------------------|-------------------------------|--------------|-------------|----------|-----------------------|----------------------------|
| 18001 | CO | Catalyst ¹ | TBD | TBD | TBD | TBD | 18001 | TBD |
| | | | | | | | | |
| | | | | | | | | |

¹ The landfill mulcher (Unit ID 18001) has been modified to incorporate a catalyst to reduce CO emissions according to 40 CFR 63 Subpart ZZZZ. However, Construction Permit 3048-2TR has not yet been revised to include this information, therefore this section will be updated once the revised construction permit has been issued.

Section 4: Compliance Monitoring Devices and Equipment

Use this section to list all compliance monitoring devices and equipment used at the facility to verify emission rates and other permit terms and conditions. Use one line for each monitoring device and piece of equipment.

Notes:

- {1} List the unit number of the compliance monitoring device as shown in Package Element 4A (Process Flow Sheets).
- {2} State the type of the monitoring device. E.g. Ultra Violet Photometric Analyzer, NDIR Photometer, Opacity Meter, EPA Sampling Train (specify the sampling method number), etc.
- {3} 0- 1,000 ppm, 0 - 50 g/m3, 0 - 100% opacity, etc.
- {4} Provide the unit number(s) (from Package Element 4A -- Process Flow Sheets) of the emissions unit(s) being monitored by each device.
- {5} Describe the physical location of the monitoring device and the recording device. E.g. Monitor is located in ductwork 50' upstream from stack. Recorder is located in operating control room.

SECTION 5 FUELS AND FUEL USAGE
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| Unit No. {1} | Type of Equipment {2} | Equipment Manufacturer | Rated Capacity {3} | FUEL DATA {4} | | | | |
|--------------|---------------------------------------|------------------------|--------------------|---------------|----------------------------------|---------------------------------|--|-----------------|
| | | | | Fuel Type {5} | Amount Per Year {6} ^a | Heating Value (State Units) {7} | Percent Sulfur {8} ^b | Percent Ash {9} |
| 14014 | Boiler | Power Flame | 6.25 MMBtu/hr | Natural Gas | 53.7 x 10 ⁶ scf | 1,020 Btu/scf | 2,000 gr/10 ⁶ scf (EPA AP-42) | |
| 14166 | Boiler | Lochinvar | 0.99 MMBtu/hr | Natural Gas | 8.5 x 10 ⁶ scf | 1,020 Btu/scf | 2,000 gr/10 ⁶ scf (EPA AP-42) | |
| 14167 | Boiler | Lochinvar | 0.99 MMBtu/hr | Natural Gas | 8.5 x 10 ⁶ scf | 1,020 Btu/scf | 2,000 gr/10 ⁶ scf (EPA AP-42) | |
| 14168 | Boiler | Cleaver Brooks | 5.23 MMBtu/hr | Natural Gas | 44.9 x 10 ⁶ scf | 1,020 Btu/scf | 2,000 gr/10 ⁶ scf (EPA AP-42) | |
| 14169 | Boiler | Cleaver Brooks | 5.23 MMBtu/hr | Natural Gas | 44.9 10 ⁶ scf | 1,020 Btu/scf | 2,000 gr/10 ⁶ scf (EPA AP-42) | |
| 18001 | Non-Emergency Landfill Mulcher Engine | Caterpillar | 425 hp | Diesel | 10,857.7 gal | 137,000 Btu/gal | 0.0015 | |
| 19003 | Emergency Generator Engine | Cummins | 135 hp | Diesel | 1,379.6 gal | 137,000 Btu/gal | 0.0015 | |
| 19006 | Emergency Generator Engine | Cummins | 102 hp | Diesel | 1,042.3 gal | 137,000 Btu/gal | 0.0015 | |
| 19015 | Emergency Generator Engine | Cummins | 102 hp | Diesel | 1,042.3 gal | 137,000 Btu/gal | 0.0015 | |
| 19016 | Emergency Generator Engine | Onan | 40 hp | Diesel | 408.8 gal | 137,000 Btu/gal | 0.0015 | |
| 19019 | Emergency Generator Engine | Cummins | 102 hp | Diesel | 1,042.3 gal | 137,000 Btu/gal | 0.0015 | |
| 19028 | Emergency Generator Engine | Cummins | 355 hp | Diesel | 3,627.7 gal | 137,000 Btu/gal | 0.0015 | |
| 19031 | Emergency Generator Engine | Cummins | 355 hp | Diesel | 3,627.7 gal | 137,000 Btu/gal | 0.0015 | |
| 19032 | Emergency Generator Engine | Cummins | 465 hp | Diesel | 4,751.8 gal | 137,000 Btu/gal | 0.0015 | |
| 19069 | Emergency Water Pump Engine | Cummins | 340 hp | Diesel | 3,474.5 gal | 137,000 Btu/gal | 0.0015 | |

SECTION 5 FUELS AND FUEL USAGE
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| Unit No. {1} | Type of Equipment {2} | Equipment Manufacturer | Rated Capacity {3} | FUEL DATA {4} | | | | |
|--------------|-----------------------------|------------------------|--------------------|---------------|----------------------------------|---------------------------------|---------------------------------|-----------------|
| | | | | Fuel Type {5} | Amount Per Year {6} ^a | Heating Value (State Units) {7} | Percent Sulfur {8} ^b | Percent Ash {9} |
| 19070 | Emergency Water Pump Engine | Cummins | 340 hp | Diesel | 3,474.5 gal | 137,000 Btu/gal | 0.0015 | |
| 19071 | Emergency Water Pump Engine | Cummins | 340 hp | Diesel | 3,474.5 gal | 137,000 Btu/gal | 0.0015 | |
| 19072 | Emergency Water Pump Engine | Cummins | 340 hp | Diesel | 3,474.5 gal | 137,000 Btu/gal | 0.0015 | |
| 19073 | Emergency Water Pump Engine | Cummins | 340 hp | Diesel | 3,474.5 gal | 137,000 Btu/gal | 0.0015 | |
| 19074 | Emergency Water Pump Engine | Cummins | 340 hp | Diesel | 3,474.5 gal | 137,000 Btu/gal | 0.0015 | |
| 19075 | Emergency Water Pump Engine | Cummins | 340 hp | Diesel | 3,474.5 gal | 137,000 Btu/gal | 0.0015 | |
| 19076 | Emergency Water Pump Engine | Cummins | 340 hp | Diesel | 3,474.5 gal | 137,000 Btu/gal | 0.0015 | |
| 19089 | Emergency Generator Engine | Cummins | 390 hp | Diesel | 3,985.4 gal | 137,000 Btu/gal | 0.0015 | |
| 19091 | Emergency Generator Engine | Cummins | 750 hp | Diesel | 7,664.2 gal | 137,000 Btu/gal | 0.0015 | |
| 19093 | Emergency Fire Pump Engine | Caterpillar | 660 hp | Diesel | 6,744.5 gal | 137,000 Btu/gal | 0.0015 | |
| 19096 | Emergency Generator Engine | Detroit Diesel | 568 hp | Diesel | 5,804.4 gal | 137,000 Btu/gal | 0.0015 | |
| 19102 | Emergency Fire Pump Engine | Caterpillar | 660 hp | Diesel | 6,744.5 gal | 137,000 Btu/gal | 0.0015 | |
| 19106 | Emergency Generator Engine | Cummins | 166 hp | Diesel | 1,696.4 gal | 137,000 Btu/gal | 0.0015 | |
| 19129 | Emergency Generator Engine | Cummins | 207 hp | Diesel | 2,115.3 gal | 137,000 Btu/gal | 0.0015 | |
| 19130 | Emergency Generator Engine | Caterpillar | 1,186 hp | Diesel | 12,119.7 gal | 137,000 Btu/gal | 0.0015 | |
| 19131 | Emergency Generator Engine | Cummins | 170 hp | Diesel | 1,737.2 gal | 137,000 Btu/gal | 0.0015 | |

SECTION 5 FUELS AND FUEL USAGE
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| Unit No. {1} | Type of Equipment {2} | Equipment Manufacturer | Rated Capacity {3} | FUEL DATA {4} | | | | |
|--------------|----------------------------|------------------------|--------------------|---------------|----------------------------------|---------------------------------|--|-----------------|
| | | | | Fuel Type {5} | Amount Per Year {6} ^a | Heating Value (State Units) {7} | Percent Sulfur {8} ^b | Percent Ash {9} |
| 19132 | Emergency Generator Engine | Cummins | 277 hp | Diesel | 2,830.7 gal | 137,000 Btu/gal | 0.0015 | |
| 19133 | Emergency Generator Engine | Cummins | 755 hp | Diesel | 7,715.3 gal | 137,000 Btu/gal | 0.0015 | |
| 19134 | Emergency Generator Engine | Cummins | 435 hp | Diesel | 4,445.3 gal | 137,000 Btu/gal | 0.0015 | |
| 19135 | Emergency Generator Engine | Cummins | 1,334 hp | Natural Gas | 2,404,220 scf | 1,020 Btu/gal | 2,000 gr/10 ⁶ scf (EPA AP-42) | |
| 19140 | Emergency Generator Engine | Cummins | 102 hp | Diesel | 1,042.3 gal | 137,000 Btu/gal | 0.0015 | |
| 19142 | Emergency Generator Engine | Cummins | 102 hp | Diesel | 1,042.3 gal | 137,000 Btu/gal | 0.0015 | |
| 19143 | Emergency Generator Engine | Cummins | 50 hp | Diesel | 510.9 gal | 137,000 Btu/gal | 0.0015 | |
| 19147 | Emergency Generator Engine | Cummins | 755 hp | Diesel | 7,715.3 gal | 137,000 Btu/gal | 0.0015 | |
| 19148 | Emergency Generator Engine | Cummins | 535 hp | Diesel | 5,467.2 gal | 137,000 Btu/gal | 0.0015 | |
| 19151 | Emergency Generator Engine | Cummins | 99 hp | Diesel | 2,529.2 gal | 137,000 Btu/gal | 0.0015 | |
| 19153 | Emergency Generator Engine | Cummins | 755 hp | Diesel | 7,715.3 gal | 137,000 Btu/gal | 0.0015 | |
| 19154 | Emergency Generator Engine | Perkins | 65.6 hp | Diesel | 670.4 gal | 137,000 Btu/gal | 0.0015 | |
| 19155 | Emergency Generator Engine | Doosan | 752 hp | Diesel | 7,684.7 gal | 137,000 Btu/gal | 0.0015 | |
| 19156 | Emergency Generator Engine | Doosan | 752 hp | Diesel | 7,684.7 gal | 137,000 Btu/gal | 0.0015 | |
| 19157 | Emergency Generator Engine | Doosan | 752 hp | Diesel | 7,684.7 gal | 137,000 Btu/gal | 0.0015 | |
| 19158 | Emergency Generator Engine | Doosan | 752 hp | Diesel | 7,684.7 gal | 137,000 Btu/gal | 0.0015 | |

SECTION 5 FUELS AND FUEL USAGE
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| Unit No. {1} | Type of Equipment {2} | Equipment Manufacturer | Rated Capacity {3} | FUEL DATA {4} | | | | |
|--------------|--------------------------------|------------------------|--------------------|---------------|----------------------------------|---------------------------------|---------------------------------|-----------------|
| | | | | Fuel Type {5} | Amount Per Year {6} ^a | Heating Value (State Units) {7} | Percent Sulfur {8} ^b | Percent Ash {9} |
| 19159 | Non-Emergency Generator Engine | Caterpillar | 762 hp | Diesel | 7,786.9 gal | 137,000 Btu/gal | 0.0015 | |
| 19160 | Emergency Generator Engine | Caterpillar | 94.5 hp | Diesel | 965.7 gal | 137,000 Btu/gal | 0.0015 | |
| 19161 | Emergency Generator Engine | Isuzu/MQ | 348 hp | Diesel | 3,556.2 gal | 137,000 Btu/gal | 0.0015 | |
| 19163 | Emergency Generator Engine | Cummins | 399 hp | Diesel | 4,077.4 gal | 137,000 Btu/gal | 0.0015 | |
| 19164 | Emergency Generator Engine | Cummins | 250 hp | Diesel | 2,554.7 gal | 137,000 Btu/gal | 0.0015 | |
| 19168 | Emergency Generator Engine | Onan | 25 hp | Diesel | 255.5 gal | 137,000 Btu/gal | 0.0015 | |
| 19169 | Emergency Generator Engine | Cummins | 1,490 hp | Diesel | 15,226.3 gal | 137,000 Btu/gal | 0.0015 | |
| 19170 | Emergency Generator Engine | Cummins | 755 hp | Diesel | 7,715.3 gal | 137,000 Btu/gal | 0.0015 | |
| 19171 | Emergency Generator Engine | Cummins | 755 hp | Diesel | 7,715.3 gal | 137,000 Btu/gal | 0.0015 | |
| 19172 | Emergency Generator Engine | Cummins | 755 hp | Diesel | 7,715.3 gal | 137,000 Btu/gal | 0.0015 | |
| 19173 | Emergency Generator Engine | Cummins | 755 hp | Diesel | 7,715.3 gal | 137,000 Btu/gal | 0.0015 | |
| 19174 | Emergency Generator Engine | Cummins | 1220 hp | Diesel | 12,376.8 gal | 137,000 Btu/gal | 0.0015 | |
| 19176 | Emergency Generator Engine | Cummins | 755 hp | Diesel | 7,715.3 gal | 137,000 Btu/gal | 0.0015 | |
| 19177 | Emergency Generator Engine | Cummins | 755 hp | Diesel | 7,715.3 gal | 137,000 Btu/gal | 0.0015 | |
| 19178 | Emergency Generator Engine | Cummins | 1220 hp | Diesel | 12,376.8 gal | 137,000 Btu/gal | 0.0015 | |
| 19179 | Emergency Generator Engine | Kohler | 74.3 hp | Diesel | 753.8 gal | 137,000 Btu/gal | 0.0015 | |

SECTION 5 FUELS AND FUEL USAGE
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| Unit No. {1} | Type of Equipment {2} | Equipment Manufacturer | Rated Capacity {3} | FUEL DATA {4} | | | | |
|--------------|---------------------------------------|------------------------|-----------------------|---------------|----------------------------------|---------------------------------|---------------------------------|-----------------|
| | | | | Fuel Type {5} | Amount Per Year {6} ^a | Heating Value (State Units) {7} | Percent Sulfur {8} ^b | Percent Ash {9} |
| 19181 | Emergency Generator Engine | Cummins | 176 hp | Diesel | 1,785.5 gal | 137,000 Btu/gal | 0.0015 | |
| 19182 | Emergency Generator Engine | Cummins | 176 hp | Diesel | 1,785.5 gal | 137,000 Btu/gal | 0.0015 | |
| 19186 | Emergency Generator Engine | Cummins | 755 hp | Diesel | 7,715.3 gal | 137,000 Btu/gal | 0.0015 | |
| 19188 | Emergency Generator Engine | Cummins | 324 hp | Diesel | 3,310.9 gal | 137,000 Btu/gal | 0.0015 | |
| 19190 | Emergency Generator Engine | Generac | 93 hp | Diesel | 950.4 gal | 137,000 Btu/gal | 0.0015 | |
| 20002 | T700 Kerosene-fired helicopter engine | General Electric | 2,000 hp ^c | Jet Fuel | 12,985.1 gal ^c | 135,000 Btu/gal | 0.042 | |
| 20004 | T400 Kerosene-fired helicopter engine | Pratt & Whitney | 1,100 hp ^c | Jet Fuel | 13,478.9 gal ^c | 135,000 Btu/gal | 0.042 | |

^a Annual fuel usage is estimated based on AP-42 fuel specification data, manufacturer capacity data, and maximum permitted operating data. The annual fuel use is not a permit limit for any of the units listed in this table.

^b Percent for natural gas and propane from AP-42 Section 1.4. Percent for diesel based on ultra low sulfur diesel fuel requirements. Assumed weight percent of sulfur is 0.042 as stated in Table 3-6. Average Sulfur Content Values for Jet Fuel, United States Air Force Institute for Environmental Safety and Occupational Health Risk Analysis Air Emissions Inventory Guidance Document for Mobile Sources at Air Force Installations (January 2002, Revised December 2003).

^c Jet engine test cell fuel use rates are based on the fuel flow and test patterns presented in the emission estimation spreadsheets submitted with the 484-M3 application. Each hour long test is assumed to proceed according to the following operating mode breakdown: 25% idle, 20% intermediate and 15% military. The density of jet fuel is assumed to be 6.67 lb/gal, per the Air Emissions Factor Guide to Air Force Mobile Sources, AFCEE, December 2009. Potential fuel use is estimated by taking the operating hours limits from the issued air permit, and applying the operating mode breakdown and associated fuel consumption rates for each mode.

Section 5: Fuels and Fuel Usage

This section provides information on all the fuel usage for all process equipment at the facility. Flares and waste burners are not listed here unless supplemental fuel is used to sustain combustion. In that case, only the supplemental or auxiliary fuel data is given here.

A material balance for combustion within the plant is required to complete this Section and should be attached to this Section. Show calculations in Package Element 4B.

Only equipment that uses fuel is listed in this section.

Notes:

- {1} Corresponding to emissions, process, or operational unit numbers as shown in Package Element 4A (Process Flow Sheets).
- {2} State the type of equipment. E.g. Boiler, diesel engine, furnace, gas engine, gas turbine, oven, space heater, etc.
- {3} Provide the maximum nameplate rate and the normal rate, if these rates are different, e.g. million btu/hr, HP etc.
- {4} If auxiliary fuel or different fuel is used "on standby", the data for that fuel must also be provided.
- {5} E.g. Natural gas; LPG; No. 1, 2, 4, or 6 fuel oil; refinery gas; coal; wood; etc.
- {6} Use the following units depending on the fuel type: Million cubic feet of gas; gallons of fuel oil; pounds of LPG; etc. State what units you are using.
- {7} Use the following units depending on the fuel type: Btu/thousand ft³ for gas, Btu/lb for solid fuel, or Btu/gallon for liquid fuel.
- {8} State both average percentage by weight and maximum percentage by weight. Sulfur content is not required if sweet pipeline quality natural gas is used as the fuel. Specify in "fuel type" that sweet pipeline quality gas is used and state specification under "sulfur". Provide fuel supplier specifications for sulfur content.
- {9} State both average percentage by weight and maximum percentage by weight. Ash content is not required if sweet pipeline quality natural gas is used as the fuel.

SECTION 6A RAW MATERIALS PROCESSED – Not Applicable
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| Unit No. {1} | Material {2a} | Composition {3} | Condition {4} | Quantity Used {5} (Specify Units) |
|---------------------|----------------------|------------------------|----------------------|--|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

SECTION 6B MATERIALS PRODUCED – Not Applicable (DO NOT INCLUDE EMISSIONS AND WASTE PRODUCTS LISTED IN SECTIONS 2, 3, & 10)
(20.11.42.12A(4)(e)(iv) NMAC)

| Unit No. {1} | Material {2a} | Composition {3} | Condition {4} | Production Rates {5} (Specify Units) |
|--------------|---------------|-----------------|---------------|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Sections 6A and 6B: Raw Materials Processed and Materials Produced

This section addresses any feedstocks or raw materials used in the plant process, and materials or products (not including solid or liquid waste products) that are generated. As an example, sour natural gas is the raw material and sweet pipeline quality gas and natural gas liquids are the products. This section quantifies a portion of the facility material balance. Some unit numbers will correspond to process equipment, as for example where a stream is "refined", such as sour gas to sweet gas, or rock crushing with rock aggregate feed and various products are produced in stages (crushers, screens).

Calculations made to determine the values shown on the form are to be shown and referenced in Package Element 4B (Emissions Calculations).

Notes: (These apply to both 6A and 6B)

- {1} Corresponding to emissions, process or operational unit numbers as shown in Package Element 4A (Process Flow Sheets).
- {2a} What is the raw material -- for example: crude oil, sour gas, raw ore.
- {2b} What is the finished product -- for example: gasoline, diesel fuel, sweet gas.
- {3} List each major component with weight percentages and chemical compositions (if known), or attach separate analysis sheet.
- {4} Provide typical particle size distribution for aggregates, pumice dust, etc. and average moisture content if known.
- {5} Barrels per day, thousands of standard cubic feet per day, tons per hour, etc. Reference process flow sheets required in Package Element 4A, including material balances.

SECTION 7 STACK PARAMETERS
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| Stack No. {1} | Emission Unit Nos. {2} | Stack Height ft. {3} | Inside Stack Exit Diameter ft {4} | EXIT GAS CONDITIONS {5} | | | SAMPLING PORTS | | |
|---------------|------------------------|----------------------|-----------------------------------|-------------------------|---------------------|-------------------|----------------|------|--------------|
| | | | | Temp. °F | Velocity ft/sec {6} | Moisture % by Vol | Number | Size | Location {7} |
| 14014 | 14014 | 18 | 2.0 | 180 | 7.08 | N/A | N/A | N/A | N/A |
| 14166 | 14166 | 52.5 | 2.0 | 180 | 5.95 | N/A | N/A | N/A | N/A |
| 14167 | 14167 | 52.5 | 2.0 | 180 | 5.95 | N/A | N/A | N/A | N/A |
| 14168 | 14168 | 52.5 | 2.0 | 180 | 5.92 | N/A | N/A | N/A | N/A |
| 14169 | 14169 | 52.5 | 2.0 | 180 | 5.92 | N/A | N/A | N/A | N/A |
| 18001 | 18001 | 13.42 | 0.50 | 755 | 213.33 | N/A | N/A | N/A | N/A |
| 18002 | 18002 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19003 | 19003 | 10 | 0.25 | 1070 | 203.82 | N/A | N/A | N/A | N/A |
| 19006 | 19006 | 12 | 0.25 | 1045 | 150.49 | N/A | N/A | N/A | N/A |
| 19015 | 19015 | 10 | 0.5 | 1045 | 37.62 | N/A | N/A | N/A | N/A |
| 19016 | 19016 | 8 | 0.5 | 1009 | 19.11 | N/A | N/A | N/A | N/A |
| 19019 | 19019 | 12 | 0.5 | 1045 | 37.71 | N/A | N/A | N/A | N/A |
| 19028 | 19028 | 15 | 0.5 | 675 | 159.15 | N/A | N/A | N/A | N/A |
| 19031 | 19031 | 22.5 | 0.5 | 675 | 124.10 | N/A | N/A | N/A | N/A |
| 19032 | 19032 | 10 | 0.83 | 756 | 77.02 | N/A | N/A | N/A | N/A |

SECTION 7 STACK PARAMETERS
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| Stack No. {1} | Emission Unit Nos. {2} | Stack Height ft. {3} | Inside Stack Exit Diameter ft {4} | EXIT GAS CONDITIONS {5} | | | SAMPLING PORTS | | |
|---------------|------------------------|----------------------|-----------------------------------|-------------------------|---------------------|-------------------|----------------|------|--------------|
| | | | | Temp. °F | Velocity ft/sec {6} | Moisture % by Vol | Number | Size | Location {7} |
| 19037 | 19037 | 17.7 | 0.75 | 756 | 94.21 | N/A | N/A | N/A | N/A |
| 19069 | 19069 | 13 | 0.42 | 756 | 286.21 | N/A | N/A | N/A | N/A |
| 19070 | 19070 | 13 | 0.42 | 756 | 286.21 | N/A | N/A | N/A | N/A |
| 19071 | 19071 | 13 | 0.42 | 756 | 286.21 | N/A | N/A | N/A | N/A |
| 19072 | 19072 | 13 | 0.42 | 756 | 286.21 | N/A | N/A | N/A | N/A |
| 19073 | 19073 | 26.5 | 0.67 | 756 | 112.47 | N/A | N/A | N/A | N/A |
| 19074 | 19074 | 26.5 | 0.67 | 756 | 112.47 | N/A | N/A | N/A | N/A |
| 19075 | 19075 | 26.5 | 0.67 | 756 | 112.47 | N/A | N/A | N/A | N/A |
| 19076 | 19076 | 26.5 | 0.67 | 756 | 112.47 | N/A | N/A | N/A | N/A |
| 19089 | 19089 | 7.84 | 0.67 | 756 | 118.24 | N/A | N/A | N/A | N/A |
| 19091 | 19091 | 19 | 0.5 | 756 | 118.81 | N/A | N/A | N/A | N/A |
| 19093 | 19093 | 19 | 0.92 | 955 | 98.05 | N/A | N/A | N/A | N/A |
| 19096 | 19096 | 12 | 0.67 | 705 | 156.55 | N/A | N/A | N/A | N/A |
| 19102 | 19102 | 19 | 0.92 | 955 | 98.05 | N/A | N/A | N/A | N/A |
| 19106 | 19106 | 28 | 0.21 | 815 | 324.97 | N/A | N/A | N/A | N/A |

SECTION 7 STACK PARAMETERS
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| Stack No. {1} | Emission Unit Nos. {2} | Stack Height ft. {3} | Inside Stack Exit Diameter ft {4} | EXIT GAS CONDITIONS {5} | | | SAMPLING PORTS | | |
|---------------|------------------------|----------------------|-----------------------------------|-------------------------|---------------------|-------------------|----------------|------|--------------|
| | | | | Temp. °F | Velocity ft/sec {6} | Moisture % by Vol | Number | Size | Location {7} |
| 19129 | 19129 | 6.42 | 0.42 | 950 | 108.08 | N/A | N/A | N/A | N/A |
| 19130 | 19130 | 10 | 0.83 | 965 | 213.36 | N/A | N/A | N/A | N/A |
| 19131 | 19131 | 7 | 0.25 | 1060 | 271.76 | N/A | N/A | N/A | N/A |
| 19132 | 19132 | 7.67 | 0.42 | 1008 | 156.47 | N/A | N/A | N/A | N/A |
| 19133 | 19133 | 10.7 | 0.42 | 898 | 442.08 | N/A | N/A | N/A | N/A |
| 19134 | 19134 | 9.54 | 0.5 | 975 | 203.82 | N/A | N/A | N/A | N/A |
| 19135 | 19135 | 14.5 | 1 | 1160 | 220.59 | N/A | N/A | N/A | N/A |
| 19140 | 19140 | 8 | 0.25 | 1045 | 150.83 | N/A | N/A | N/A | N/A |
| 19142 | 19142 | 10 | 0.25 | 1045 | 150.83 | N/A | N/A | N/A | N/A |
| 19143 | 19143 | 10 | 0.33 | 1009 | 44.45 | N/A | N/A | N/A | N/A |
| 19147 | 19147 | 10.3 | 0.42 | 939 | 474.82 | N/A | N/A | N/A | N/A |
| 19148 | 19148 | 9.59 | 0.5 | 980 | 270.91 | N/A | N/A | N/A | N/A |
| 19151 | 19151 | 7.25 | 0.25 | 873 | 184.46 | N/A | N/A | N/A | N/A |
| 19153 | 19153 | 9.7 | 0.5 | 900 | 307.86 | N/A | N/A | N/A | N/A |
| 19154 | 19054 | 9.9 | 0.29 | 1164 | 85.33 | N/A | N/A | N/A | N/A |

SECTION 7 STACK PARAMETERS
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| Stack No. {1} | Emission Unit Nos. {2} | Stack Height ft. {3} | Inside Stack Exit Diameter ft {4} | EXIT GAS CONDITIONS {5} | | | SAMPLING PORTS | | |
|---------------|------------------------|----------------------|-----------------------------------|-------------------------|---------------------|-------------------|----------------|------|--------------|
| | | | | Temp. °F | Velocity ft/sec {6} | Moisture % by Vol | Number | Size | Location {7} |
| 19155 | 19155 | 11.6 | 0.5 | 1300 | 454.95 | N/A | N/A | N/A | N/A |
| 19156 | 19156 | 11.6 | 0.5 | 1300 | 454.95 | N/A | N/A | N/A | N/A |
| 19157 | 19157 | 11.6 | 0.5 | 1300 | 454.95 | N/A | N/A | N/A | N/A |
| 19158 | 19158 | 11.6 | 0.5 | 1300 | 454.95 | N/A | N/A | N/A | N/A |
| 19159 | 19159 | 7.8 | 0.67 | 951.6 | 172.87 | N/A | N/A | N/A | N/A |
| 19160 | 19160 | 7 | 0.5 | 1108 | 41.37 | N/A | N/A | N/A | N/A |
| 19161 | 19161 | 8 | 0.375 | 1004 | 190.38 | N/A | N/A | N/A | N/A |
| 19163 | 19163 | 9.4 | 0.48 | 941 | 173.52 | N/A | N/A | N/A | N/A |
| 19164 | 19164 | 8.5 | 0.33 | 785 | 167.28 | N/A | N/A | N/A | N/A |
| 19168 | 19168 | 10.5 | 0.25 | Unknown | Unknown | N/A | N/A | N/A | N/A |
| 19169 | 19169 | 16 | 1.17 | 813 | 163.94 | N/A | N/A | N/A | N/A |
| 19170 | 19170 | 24 | 0.67 | 865 | 147.09 | N/A | N/A | N/A | N/A |
| 19171 | 19171 | 24 | 0.67 | 865 | 147.09 | N/A | N/A | N/A | N/A |
| 19172 | 19172 | 24 | 0.67 | 865 | 147.09 | N/A | N/A | N/A | N/A |
| 19173 | 19173 | 24 | 0.67 | 865 | 147.09 | N/A | N/A | N/A | N/A |

SECTION 7 STACK PARAMETERS
(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| Stack No. {1} | Emission Unit Nos. {2} | Stack Height ft. {3} | Inside Stack Exit Diameter ft {4} | EXIT GAS CONDITIONS {5} | | | SAMPLING PORTS | | |
|---------------|------------------------|----------------------|-----------------------------------|-------------------------|---------------------|-------------------|----------------|------|--------------|
| | | | | Temp. °F | Velocity ft/sec {6} | Moisture % by Vol | Number | Size | Location {7} |
| 19174 | 19174 | 12 | 0.833 | 888 | 164.77 | N/A | N/A | N/A | N/A |
| 19176 | 19176 | 8 | 0.33 | 865 | 606.33 | N/A | N/A | N/A | N/A |
| 19177 | 19177 | 8 | 0.33 | 865 | 606.33 | N/A | N/A | N/A | N/A |
| 19178 | 19178 | 12 | 0.83 | 709 | 165.13 | N/A | N/A | N/A | N/A |
| 19179 | 19179 | 8 | 0.21 | 824 | 161.28 | N/A | N/A | N/A | N/A |
| 19181 | 19181 | 7 | 0.17 | 622 | 447.4 | N/A | N/A | N/A | N/A |
| 19182 | 19182 | 7 | 0.17 | 697 | 511.32 | N/A | N/A | N/A | N/A |
| 19186 | 19186 | 14 | 0.75 | 756 | 314.82 | N/A | N/A | N/A | N/A |
| 19188 | 19188 | 10 | 0.33 | 872 | 204.26 | N/A | N/A | N/A | N/A |
| 19190 | 19190 | 6.18 | 0.25 | 930 | 181.31 | N/A | N/A | N/A | N/A |
| 20002 | 20002 | 4.0 | 3.0 | 1038 | 50.52 | N/A | N/A | N/A | N/A |
| 20004 | 20004 | 4.0 | 3.0 | 1099 | 39.37 | N/A | N/A | N/A | N/A |
| 21004 | 21004 | 22.00 | 2.50 | Ambient ^a | 13.12 | N/A | N/A | N/A | N/A |
| 21015 | 21015 | 49.54 | 4.59 | Ambient | 67.26 | N/A | N/A | N/A | N/A |

a The paint booth exhausts at approximately ambient temperature, but has zero entered in the application.

Section 7: Stack Parameters

This section is used to describe the release points of all emissions associated with the facility. This includes actual stacks as well as the release point information in cases where there is no stack, such as where fugitive releases occur.

This information is required for EPA's Aerometric Information Retrieval System database and also for air dispersion modeling that may be required for either this source or another source.

Notes:

- {1} Use stack numbers from Package Element 4A (Process Flow Sheets). If there is a release point with no stack, state the location of the release point.
- {2} If one stack serves multiple processes, operations, or emissions units, provide unit numbers for all emissions units discharging to this stack.
- {3} Height above ground of the stack exit or release point.
- {4} If stack is circular, give inside diameter at exit point. If stack is not circular, provide actual exit dimensions. If stack exit is not pointed up, give direction that stack points. State whether rain cap is used.
- {5} If conditions are not measured at actual stack exit, specify location at which measurements are made.
- {6} Show calculations in sufficient detail to allow permit engineer to verify actual velocity values. These calculations should be shown in Package Element 4B and clearly identified.
- {7} Provide the physical location(s) of the sampling ports. For example: 2 ports at 90 degrees, 25 ft. from top of stack.

SECTION 8A LIQUID STORAGE TANKS - MATERIAL DATA

(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| Tank No. {1} | Material Name {2} | Composition {3} | Liquid Density ^a (lb/gal) | Vapor Molecular Weight (lb/lb-mol) | Average Storage Temp., T _{av} (°F) | True Vapor Pressure at T _{av} (psia) | Maximum Storage Temp., T _{max} (°F) | True Vapor Pressure at T _{max} (psia) |
|--------------------|-------------------|-----------------|--------------------------------------|------------------------------------|---|---|--|--|
| 22003 | Gasoline | Gasoline | 5.6 | 62 | 58.54 | 6.7593 | 65.66 | 7.7134 |
| 22004 | Gasoline | Gasoline | 5.6 | 62 | 58.54 | 6.7593 | 65.66 | 7.7134 |
| 22005 ^b | Gasoline | Gasoline | 5.6 | 62 | 58.54 | 6.7593 | 65.66 | 7.7134 |
| 22015 | E85 | E85 | 6.008 | 68 | 58.54 | 7.9326 | 65.66 | 9.0274 |
| 25012 | Gasoline | Gasoline | 5.6 | 62 | 58.54 | 6.7593 | 65.66 | 7.7134 |
| 25017 | Gasoline | Gasoline | 5.6 | 62 | 58.54 | 6.7593 | 65.66 | 7.7134 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

^a Liquid Density for gasoline is from AP-42 7.1-2. The Liquid Density for E85 was calculated in APIMS using the specific gravity in the MSDS provided for E85 in the Application for Permit 3090-RV1.

^b Substitution of equipment for emission unit 22005 occurred in November 2018. A 5,000-gallon tank was substituted for the permitted 10,000-gallon tank.

Section 8A: Liquid Storage Tanks - Material Data

This section is used to describe any liquid materials that are stored at the plant and are potential sources of gaseous emissions. This includes raw feedstocks, and intermediate and final product storage.

If your plant has no tanks which store volatile organic compounds, or other toxic or hazardous materials, write "NA" on the top of the form.

This information is requested for the calculation and characterization of fugitive emissions. EPA's reference AP-42 Section 12 lists reference data for liquid storage tanks.

The emissions data for the tanks should be provided in Sections 2 and 3 of this application form.

Notes:

- {1} The tank numbers are to be assigned by the applicant. Use a unique tank number for each tank. These are the same numbers as are used in Package Element 4A (Process Flow Sheets) to identify each tank.
- {2} Give the trade name or commonly used name for the liquid stored in the tanks. E.g. Stoddard Solvent, fuel oil, etc.
- {3} Identify each major component (including sulfur) and give its weight percent. If space is insufficient, attach analysis sheet. The material name and tank number should be clearly identified on any attachments.

SECTION 8B LIQUID STORAGE TANKS - TANK DATA

(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| Tank No. {1} | Date Installed/Modified {2} | Material(s) Stored {3} | Roof Type {4} | Seal Type {5} | Capacity (gal) | Diameter (ft) | Vapor Space Height (ft) {6} | Roof/ Shell Color {7} | Paint Cond. {8} | Annual Throughput (gal/yr) {9} | Turnovers per Year {10} |
|--------------------|-----------------------------|------------------------|---------------|---------------|----------------|---------------|-----------------------------|-----------------------|-----------------|--------------------------------|-------------------------|
| 22003 | 1995 | Gasoline | FX | N/A | 10,000 | 8 | 4 | WH | Good | 510,000 | 51 |
| 22004 | 1995 | Gasoline | FX | N/A | 10,000 | 8 | 4 | WH | Good | 210,000 | 21 |
| 22005 ^a | 1964 | Gasoline | FX | N/A | 5,000 | 8 | 4 | WH | Good | 90,000 | 18 |
| 22015 | 04/2008 | E85 | FX | N/A | 10,000 | 8 | 4 | WH | Good | 510,000 | 51 |
| 25012 | 1997 | Gasoline | FX | N/A | 3,000 | 5.5 | 2.75 | WH | Good | 140,000 | 46.7 |
| 25017 | 10/2002 | Gasoline | FX | N/A | 1,000 | 4.5 | 2.25 | WH | Good | 20,000 | 20 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

^a Substitution of equipment for emission unit 22005 occurred in November 2018. A 5,000-gallon tank was substituted for the permitted 10,000-gallon tank.

Section 8B: Liquid Storage Tanks - Tank Data

Notes:

- {1} Use tank number(s) from Section 8A.
- {2} Date (mo./yr.) tank was originally installed or constructed. If the tank was later modified or reconstructed, provide the date this work was completed and attach a separate description of the modifications or reconstruction.
- {3} If the tank is used to store more than one material, use a separate line for each material and provide all the requested data for each material.
- {4} Use the following abbreviations: Fixed roof - FX, Internal Floating Roof - IF, External Floating Roof - EF, Pressure - P.
- {5} Select the appropriate number and letter from the following list that describes the tank and seal type (e.g. "2b" indicates welded tank, liquid mounted resilient seal with weather shield): NOTE: For pressure tanks, enter control pressure (psia).
NOTE: For pressure tanks, enter control pressure (psia).

WELDED TANK SEALS

- | | | |
|---------------------------|-----------------------------|----------------------------|
| 1. Mechanical shoe | 2. Liquid mounted resilient | 3. Vapor mounted resilient |
| a. Primary only | a. Primary only | a. Primary only |
| b. Shoe mounted secondary | b. Weather shield | b. Weather shield |
| c. Rim mounted secondary | c. Rim mounted secondary | c. Rim mounted secondary |

RIVETED TANK

- 4. Mechanical shoe seal
- 1 These units do not have permitted emissions listed in their respective permit, emergency per
- c. Rim mounted secondary
- {6} This applies to fixed roof tanks only. Give the average distance from liquid surface to tank roof. For all other tanks, write "N.A."
- {7} Use the following abbreviations: White - WH, Aluminum (specular) - AS, Aluminum (diffuse) - AD, Light Gray - LG, Medium Gray - MG, Black - BL, Other - OT.
- {8} Describe the condition of the paint on the tank as either: Good or Poor.
- {9} Enter throughput, in gallons/year, of each material that is stored in the tank.
- {10} Turnover = annual throughput (gal) / tank capacity (gal).

Section 9A: Solid Material Storage - Material Data

This section is used to describe any solid stored materials used in the plant process which are potential sources of particulate matter. This includes raw feedstocks, intermediate and final product storage. If there is no solid material storage at the plant, write "N/A" at the top of the form.

Emissions data for solid material that is stored on the plant site should be provided in Sections 2 and 3.

Notes:

- {1} Individual storage unit numbers are assigned by the applicant in Package Element 4A (Process Flow Sheets). These same unit numbers are used in this Section and in Sections 2 and 3 to identify the storage units.
- {2} State which process, operation or emissions unit is served and whether transfer equipment is used. E.g. open feed conveyor.
- {3} Examples of storage type: silo, open pile, shed, enclosed building, enclosed weigh bin or surge bin.
- {4} Give the chemical composition of the material being stored. If space is insufficient, attach analysis sheet. The material name and storage unit number should be identified clearly in any attachments.

SECTION 9B SOLID MATERIAL STORAGE - STORAGE DATA – Not Applicable

(20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| Storage Unit No. {1} | Transfer or Transport Method {2} | | Maximum Hourly Throughput (specify units) | Annual Throughput (specify units) | Dust Control Method (Storage or Transfer) {3} |
|----------------------|----------------------------------|----------|---|-----------------------------------|---|
| | Incoming | Outgoing | | | |
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Section 9B: Solid Material Storage - Storage Data

This section is used to specify the amounts and methods of solid material transfer in the facility process or operation.

Notes:

{1} Use the same storage unit numbers as in Section 9A.

{2} Examples of transfer or transport method:

Incoming: how material is loaded into the storage unit, e.g. truck, rail car, front end loader, etc.

Outgoing: how material is moved from the storage area to the process area, e.g. closed pneumatic feed, closed gravity feed, open gravity feed, enclosed screw conveyor, front end loader, open or enclosed belt conveyor, truck.

{3} State what kind of dust control methods are used in the storage or transfer of material. E.g. silo bin filters, telescoping stacker chutes, enclosures, dust pickup to baghouse, etc.

If the storage unit is equipped with a stack, provide the stack parameters in Section 7 (Stack Parameters)

SECTION 10 WASTE PRODUCT DISPOSAL – Not Applicable (SOLID AND LIQUID WASTES THAT DO NOT RESULT IN AIR EMISSIONS)
 (20.11.42.12(A)(4) NMAC)

(Use additional sheets if necessary)

| Equipment Unit No. {1} | WASTE MATERIAL | | METHOD OF DISPOSAL {4} |
|------------------------------|----------------|------------|---------------------------|
| | Type {2} | Amount {3} | |
| | | /hr | |
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Section 10: Waste Product Disposal

Use this section to describe solid and liquid waste product disposal. Any waste product disposal that results in emissions of air pollutants, such as flares or wood waste burners, should be listed and characterized in Sections 2 and 3 of this application form.

This form is designed to complete the material and mass balances of the applicant's operation. It is not part of the part of the air emissions characterization.

Be aware that incineration of waste materials is regulated and 20.11.68 NMAC or 20.11.69 NMAC may apply.

Notes:

- {1} Give the control equipment or process unit numbers from Sections 2 through 9 that produce solid or liquid waste products which are then disposed of.
- {2} For example: Waste paper, wood chips, rubbish, garbage, acids, oils, fly ash, tailings, sulfur, etc.
- {3} Provide the quantity of waste product generated in terms of pounds, tons, or gallons per hour and per year. Specify units used.

SECTION 11 CERTIFICATION -- (20.11.42.12(A)(5) NMAC)

NOTICE REGARDING SCOPE OF A PERMIT: The Environmental Health Department's issuance of an air quality permit only authorizes the use of the specified equipment pursuant to the air quality control laws, regulations and conditions. Permits relate to air quality control only and are issued for the sole purpose of regulating the emission of air contaminants from said equipment. Air quality permits are not a general authorization for the location, construction and/or operation of a facility, nor does a permit authorize any particular land use or other form of land entitlement. It is the applicant's/permittee's responsibility to obtain all other necessary permits from the appropriate agencies, such as the City of Albuquerque Planning Department or Bernalillo County Department of Planning and Development Services, including but not limited to site plan approvals, building permits, fire department approvals and the like, as may be required by law for the location, construction and/or operation of a facility. For more information, please visit the City of Albuquerque Planning Department website at <https://www.cabq.gov/planning> and the Bernalillo County Department of Planning and Development Services website at <https://www.bermco.gov/planning>.

NOTICE REGARDING ACCURACY OF INFORMATION AND DATA SUBMITTED: Any misrepresentation of a material fact in this application and its attachments is cause for denial of a permit or revocation of part or all of the resulting registration or permit, and revocation of a permit for cause may limit the permittee's ability to obtain any subsequent air quality permit for ten (10) years. Any person who knowingly makes any false statement, representation, or certification in any application, record, report, plan or other document filed or required to be maintained under the Air Quality Control Act, NMSA 1978 §§ 74-2-1 to 74-2-17, is guilty of a misdemeanor and shall, upon conviction, be punished by a fine of not more than ten thousand dollars (\$10,000) per day per violation or by imprisonment for not more than twelve months, or by both.

I, the undersigned, hereby certify that I have knowledge of the information and data represented and submitted in this application and that the same is true and accurate, including the information and date in any and all attachments, including without limitation associated forms, materials, drawings, specifications, and other data. I also certify that the information represented gives a true and complete portrayal of the existing, modified existing, or planned new stationary source with respect to air pollution sources and control equipment. I understand that there may be significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations. I also understand that the person who has applied for or has been issued an air quality permit by the Department is an obligatory party to a permit appeal filed pursuant to 20.11.81 NMAC. Further, I certify that I am qualified and authorized to file this application, to certify the truth and accuracy of the information herein, and bind the source. Moreover, I covenant and agree to comply with any requests by the Department for additional information necessary for the Department to evaluate or make a final decision regarding the application.

Signed this 23rd day of February, 2024, upon my oath of affirmation, before a notary of the State of New Mexico

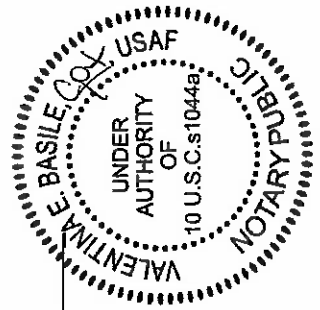
MJP
SIGNATURE (Responsible Official) 23 Feb 24
DATE

MICHAEL J. POWER, Colonel, USAF
PRINTED NAME Commander
TITLE

Subscribed and sworn to before me on this 23rd day of February, 2024.

My authorization as a Notary of the United States expires on the 99 day of N/A, 2099.

MJ Power
NOTARY'S SIGNATURE 23 Feb 24
DATE



Valentina E. Basile
NOTARY'S PRINTED NAME

I, the undersigned, hereby certify that I have knowledge of the information and data represented and submitted in this application and that the same is true and accurate, including the information and data in any and all attachments, including without limitation associated forms, materials, drawings, specifications, and other data. I also certify that the information represented gives a true and complete portrayal of the existing, modified existing, or planned new stationary source with respect to air pollution sources and control equipment. I understand that there may be significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations. I also understand that the person who has applied for or has been issued an air quality permit by the Department is an obligatory party to a permit appeal filed pursuant to 20.11.81 NMAC. Further, I certify that I am qualified and authorized to file this application, to certify the truth and accuracy of the information herein, and bind the source. Moreover, I covenant and agree to comply with any requests by the Department for additional information necessary for the Department to evaluate or make a final decision regarding the application.

Signed this _____ day of _____, 20____, upon my oath of affirmation, before a notary of the State of New Mexico

SIGNATURE (Responsible Official)

DATE

Michael J. Power, Colonel, USAF
PRINTED NAME

Commander
TITLE

Subscribed and sworn to before me on this _____ day of _____, 20____.

My authorization as a Notary of the State of _____ expires on the _____ day of _____, 20____.

NOTARY'S SIGNATURE

DATE

NOTARY'S PRINTED NAME

**Placeholder for Compliance History
Disclosure Form to be inserted
after obtaining Commander's signature**



**City of Albuquerque
Environmental Health Department
Air Quality Program**



**Air Quality
Compliance History Disclosure Form**

The Albuquerque-Bernalillo County Joint Air Quality Program (“Program”) administers and enforces local air quality laws for the City of Albuquerque (“City”) and Bernalillo County (“County”) on behalf of the City Environmental Health Department, including the New Mexico Air Quality Control Act (“AQCA”), NMSA 1978, Sections 74-2-1 to -17. In accordance with Sections 74-2-7(P) and (S) of the AQCA, the Program may deny any permit application or revoke any permit issued pursuant to the AQCA if, within ten years immediately preceding the date of submission of the permit application, the applicant or permittee meets any one of the criteria outlined in the AQCA. The Program requires applicants to file this Compliance History Disclosure Form in order for the Program to deem an air permit application administratively complete, or issue an air permit for those permits without an initial administrative completeness determination process. Additionally, an existing permit holder (permits issued prior to the Effective Date of this Form) shall provide this Compliance History Disclosure Form to the Program upon the Program’s request. Note: Program Staff can answer basic questions about this Compliance History Disclosure Form but cannot provide specific guidance or legal advice.

Instructions

1. Applications filed pursuant to the following regulations shall include this Compliance History Disclosure Form, in accordance with Section 74-2-7(S) of the AQCA: *Construction Permits* (20.11.41 NMAC); *Operating Permits* (20.11.42 NMAC); *Nonattainment Areas* (20.11.60 NMAC); *Prevention of Significant Deterioration* (20.11.61 NMAC); *Acid Rain* (20.11.62 NMAC); and *Fugitive Dust* (20.11.20 NMAC) except this Form shall not be required for asbestos notifications under 20.11.20.22 NMAC.
2. The permittee identified on this Compliance History Disclosure Form shall match the permittee in the existing permit or new application. If the information in an existing permit needs to be changed, please contact the Program about revisions and ownership transfers.
3. Answer every question completely and truthfully, and do not leave any blank spaces. If there is nothing to disclose in answer to a particular question, check the box labeled “No.” Failure to provide any of the information requested in this Compliance History Disclosure Form may constitute grounds for an incompleteness determination, application denial, or permit revocation.
4. Be especially careful not to leave out information in a way that might create an impression that you are trying to hide it. Omitting information, even unintentionally, may result in application denial or permit revocation.
5. If necessary, continue answers on a separate page and identify the question. If you submit any document in connection with your answer to any question, refer to it as, “Exhibit No. ___”, and attach it at the end of the Compliance History Disclosure Form, consecutively numbering each additional page at the top right corner.
6. The Program may require additional information to make a thorough review of an application. At all times before the Program has made a final decision regarding the application, an applicant has a duty to promptly supplement and correct information the applicant has submitted in an application to the Program. The applicant’s duty to supplement and correct the application includes, but is not limited to, relevant information acquired after the applicant has submitted the application and additional information the applicant otherwise determines is relevant to the application and the Program’s review and decision. While the Program is processing an application, regardless of whether the Program has determined the application is administratively complete, if the Program determines that additional information is necessary to evaluate or make a final decision regarding the application, the Program may request additional information and the applicant shall provide the requested additional information.
7. Supplementary information required by the Program may include responses to public comment received by the Program during the application review process.
8. Any fees submitted for processing an application that has been denied will not be refunded. If the Program denies an application, a person may submit a new application and the fee required for a new application. The applicant has the burden of demonstrating that a permit should be issued.

| COMPLIANCE HISTORY | | |
|--|---|---|
| A. Applicant/Permittee Name: Kirtland Air Force Base | | Check Applicable Box: Applicant * Permittee |
| B. Time Period of Compliance Reporting (10 Years): 12/01/2013 to 12/01/2023 Instructions: For applicants, answer the following questions with information from within the 10 years preceding the current application. For existing permit holders, answer the following questions with information from within the 10 years preceding the Program's issuance of the permit. | | |
| C. Questions | | |
| 1 | Knowingly misrepresented a material fact in an application for a permit? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 2 | Refused to disclose information required by the provisions of the New Mexico Air Quality Control Act? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 3 | Been convicted in any court of any state or the United States of a felony related to environmental crime? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 4 | Been convicted in any court of any state or the United States of a crime defined by state or federal statute as involving or being in restraint of trade, price fixing, bribery, or fraud? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 5a | Constructed or operated any facility for which a permit was sought, including the current application, without the required air quality permit(s) under 20.11.41 NMAC, 20.11.42 NMAC, 20.11.60 NMAC, 20.11.61 NMAC, or 20.11.62 NMAC? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 5b | If "No" to question 5a, go to question 6. If "Yes" to question 5a, state whether each facility that was constructed or operated without the required air quality permit met at least one of the following exceptions: i. The unpermitted facility was discovered after acquisition during a timely environmental audit that was authorized by the Program or the New Mexico Environment Department; or ii. The operator of the facility, using good engineering practices and established approved calculation methodologies, estimated that the facility's emissions would not require an air permit, and the operator applied for an air permit within 30 calendar days of discovering that an air permit was required for the facility. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 6 | Had any permit revoked or permanently suspended for cause under the environmental laws of any state or the United States? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 7 | For each "yes" answer, please attach an explanation and supporting documentation. See Attachment A | |

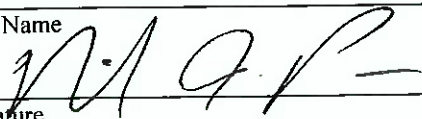
I, the undersigned, hereby certify under penalty of law that this Compliance History Disclosure Form (Form) and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. I have knowledge of the information in this Form and it is, to the best of my knowledge and belief, true, accurate, and complete. I understand that there are significant penalties for submitting false information, including denial of the application or revocation of a permit, as well as fines and imprisonment for knowing violations. If I filed an application, I covenant and agree to promptly supplement and correct information in this Form until the Program makes a final decision regarding the application. Further, I certify that I am qualified and authorized to file this Form, to certify to the truth and accuracy of the information herein, and bind the permittee and source.

Signed on

MICHAEL J. POWER, Colonel, USAF

Print Name

Signature

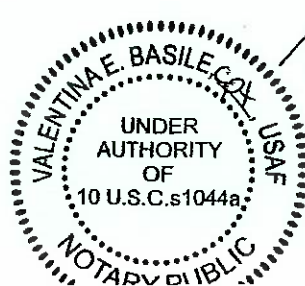


Commander, 377th Air Base Wing

Print Title

Kirtland Air Force Base

Company Name



Basile

**Kirtland Air Force Base
Attachment A – Compliance History Form**

| Deviation Start Date | Deviation End date | Cause of Deviation | Correction Action Taken |
|----------------------|--------------------|--|---|
| 14 Oct 2022 | 22 Mar 2023 | A 20.11.41 NMAC Construction Permit was not obtained for one diesel fired emergency generator at Kirtland Air Force Base (KAFB). The generator was identified as a 10-kW diesel-fired emergency generator located at 377th Medical Group and was used infrequently to provide back-up power to the Dental Clinic. The generator installation date is unknown. On 16 February 2023, KAFB received a Post Inspection Notification (PIN) over the alleged violation. The PIN required the unit to be either permitted or decommissioned. | KAFB self-reported the discovery of the emergency generator to AEHD on 20 December 2022. The signed PIN was submitted to AEHD via email on 1 March 2023. On 28 April 2023, KAFB received documentation from 377th Medical Group indicating that the generator was decommissioned and abandoned in place on 22 March 2023. KAFB notified AEHD via email on the status of the decommissioned unit on 23 May 2023. |
| Prior to 1994 | 8 Oct 2021 | Construction Permit #1759 did not include an existing fuel storage tank. The fuel storage tank was identified during communications between KAFB Environmental Management and Starfire Optical Range (SOR), who operates the facility where the fuel storage tank is located. The unit was identified as one, 250-gallon above ground storage tank containing gasoline with an associated single nozzle fuel dispenser. The fuel storage tank is no longer in use and has been emptied and cleaned. The fuel tank was installed prior to 1994 but the actual date is unknown. | KAFB self-reported the discovery of this tank to AEHD on 29 July 2022 as part of the Annual Compliance Certification. The tank was inspected by Liquid Fuels Management and was deemed out-of-service on 8 October 2021. |
| 7 Feb 2020 | 23 Jun 2021 | A 20.11.41 NMAC Construction Permit was not obtained for one diesel fired generator at KAFB. The generator was identified during communications between the KAFB Civil Engineering Power Production shop and the National Assessment Group who operates the facility where the generator is located. The unit was identified as a 60-kW generator with 80.9 horsepower (hp) engine located at Manzano Complex, a remote and secure area. At the time of discovery, the generator was not in use, and the battery and electrical panel were not installed. It was estimated that the generator was installed in 2001 but had not been operated for at least the last four years. The National Assessment Group determined that the generator was not needed for continued operations. | KAFB self-reported the discovery of this generator to AEHD on 28 July 2021 as a part of the Annual Compliance Certification. KAFB and the National Assessment Group coordinated with the Defense Logistics Agency (DLA) to remove and dispose of the generator. The generator was transferred to the DLA disposal facility holding yard on 23 June 2021. |
| 2006 | Jul 2019 | A 20.11.41 NMAC Construction Permit was not obtained for one diesel fired non-emergency generator at KAFB. The generator was identified during a base wide inventory conducted specifically to identify any non-permitted emission units as specified in a letter submitted to AEHD by KAFB on 31 January 2017. The 71 kW generator with 95.2 hp engine was located in a remote training area | On 28 December 2017, KAFB self-reported the discovery of the generator to AEHD. KAFB submitted a construction permit application on 10 January 2019. AEHD issued Construction Permit #3366 on 22 July 2019. The generator was decommissioned and removed from KAFB on 2 and 5 |

Reporting Period: 2013 to 2023

Page 1

Updated: 13-Feb-24

**Kirtland Air Force Base
Attachment A – Compliance History Form**

| Deviation Start Date | Deviation End date | Cause of Deviation | Correction Action Taken |
|----------------------|--------------------|---|---|
| | | <p>known as Bivouac Area 3. It was used to simulate a remote environment for training purposes. It was estimated that the generator was installed in early 2006. Onsite usage records and discussion with facility managers confirmed that the generator operated five to six times per year for three to four hours for training purposes.</p> | <p>February 2022, respectively. Construction Permit #3366 was cancelled 31 October 2023.</p> |
| <p>1993</p> | <p>12 Dec 2016</p> | <p>A 20.11.41 NMAC Construction Permit was not obtained for two natural gas generators at KAFB. The two natural gas generators were identified by an Air Force Research Laboratory (AFRL) Unit Environmental Coordinator after being contacted by the building tenants. The two 100kW generators with 168 horsepower (hp) engines had provided emergency back-up power to AFRL buildings 30134 and 30136 and were installed in 1993. Onsite usage records confirmed that the generators had operated as emergency engines through 2016.</p> | <p>On 16 December 2016, KAFB self-reported the discovery of the two generators to AEHD. On 12 December 2016 KAFB met with the current tenant of buildings 30134 and 30136 to determine if the generators were still in use and connected to natural gas. After inspecting the generators and interviewing the tenant it was determined that the generators were still operational but not necessary for current operations. On 12 December 2016, Power Production shut down the generators, disconnected them from the natural gas lines, and disconnected the battery packs.</p> |

Emission Unit Identification Information

Comprehensive List of Serial Numbers for

Each Permitted Source

| Emission Unit | Unit Description | Manufacturer | Model Number | Serial Number | Date of Mfg. Equip. | Date of Installation | Rated Process Rate or Throughput | Permit Number |
|----------------------|-------------------------|---------------------|---------------------|----------------------|----------------------------|-----------------------------|---|----------------------|
| 12009 | SVE | MAKO | 250 VES | MIM520 | 2017 | 3/2017 | 250 scfm | 3329 |
| 14014 | Steam Boiler | Power Flame | C4-G-30 | 119573318 | 1989 | 1990 (est) | 6.25 MMBtu/hr | 3101-RV1 |
| 14166 | Steam Boiler | Lochinvar | FBN1001 | 2026 119854338 | 2020 | 9/2020 | 999,000 Btu/hr | 3047 |
| 14167 | Steam Boiler | Lochinvar | FBN1001 | 2026 119854337 | 2020 | 9/2020 | 999,000 Btu/hr | 3047 |
| 14168 | Steam Boiler | Cleaver Brooks | CB747-125 | L-25856 | 7/1961 | 1961 (est) | 5.23 MMBtuhr | 3102 |
| 14169 | Steam Boiler | Cleaver Brooks | CB747-125 | L-25855 | 7/1961 | 1961 (est) | 5.23 MMBtuhr | 3102 |
| 15001 | Gasoline Dispensing | N/A | N/A | N/A | N/A | 1995 | 690,000 gal/yr | 3090-RV1 |
| 15004 | Gasoline Dispensing | N/A | N/A | N/A | N/A | 1997 | 140,000 gal/yr | 3090-RV1 |
| 15008 | Gasoline Dispensing | N/A | N/A | N/A | N/A | 10/2002 | 20,000 gal/yr | 3101-RV1 |
| 15011 | E-85 Dispensing | N/A | N/A | N/A | N/A | 8/2008 | 510,000 gal/yr | 3090-RV1 |

| Emission Unit | Unit Description | Manufacturer | Model Number | Serial Number | Date of Mfg. Equip. | Date of Installation | Rated Process Rate or Throughput | Permit Number |
|----------------------|------------------------------------|---------------------|---------------------|----------------------|----------------------------|-----------------------------|---|----------------------|
| 16001 | Bulk Fuel Gasoline Dispensing | N/A | N/A | N/A | N/A | 1964 | 90,000 gal/yr | 3090-RV1 |
| 18001 | Engine (Diesel-Fired) | Caterpillar | 3406 | 6TB12473 | 12/1993 | U/K | 425 HP | 3048-2TR |
| 18002 | Mulcher | Rexworks Inc | Maxigrind 425 | S40403 | 12/1993 | 10/1994 | 10.8 yd ³ | 3048-2TR |
| 19003 | Emergency Generator (Diesel-Fired) | Cummins | 6BT5.9-G1 | 44978906 | 2/1994 | 1994 (est) | 135 HP | 3032-M1-2AR |
| 19006 | Emergency Generator (Diesel-Fired) | Cummins | 4BT3.9-G2 | 44985136 | 2/1994 | 1994 (est) | 102 HP | 3032-M1-2AR |
| 19015 | Emergency Generator (Diesel-Fired) | Cummins | 4BT-3.9 | 44410787 | 10/1989 | Apr 1990 (est) | 102 HP | 3031-RV2 |
| 19016 | Emergency Generator (Diesel-Fired) | Onan | L634D-I/10386C | H863125762 | 1985 | 1986 (est) | 51 HP (est) | 3031-RV2 |
| 19019 | Emergency Generator (Diesel-Fired) | Cummins | 4BT3.9-G2 | 44985145 | 2/1994 | Aug 1994 (est) | 102 HP | 3031-RV2 |
| 19031 | Emergency Generator (Diesel-Fired) | Cummins | NT-855-G | 30107800 | 5/1980 | 5/1981 | 355 HP | 3129 |
| 19032 | Emergency Generator (Diesel-Fired) | Cummins | NTA-855-G2 | 30342913 | 7/1993 | 4/1983 | 465 HP | 3032-M1-2AR |

| Emission Unit | Unit Description | Manufacturer | Model Number | Serial Number | Date of Mfg. Equip. | Date of Installation | Rated Process Rate or Throughput | Permit Number |
|----------------------|------------------------------------|---------------------|---------------------|----------------------|----------------------------|-----------------------------|---|----------------------|
| 19069 | Emergency Generator (Diesel-Fired) | Cummins | NT-855-F3 | 18104461 | 11/1982 | 4/1983 | 340 HP | 3031-RV2 |
| 19070 | Emergency Generator (Diesel-Fired) | Cummins | NT-855-F3 | 18104459 | 11/1982 | 4/1983 | 340 HP | 3031-RV2 |
| 19071 | Emergency Generator (Diesel-Fired) | Cummins | NT-855-F3 | 18104460 | 11/1982 | 4/1983 | 340 HP | 3031-RV2 |
| 19072 | Emergency Generator (Diesel-Fired) | Cummins | NT-855-F3 | 18104458 | 11/1982 | 4/1983 | 340 HP | 3031-RV2 |
| 19073 | Emergency Generator (Diesel-Fired) | Cummins | NT-855-F2 | 10477285 | 1/1975 | 4/1983 | 340 HP | 3031-RV2 |
| 19074 | Emergency Generator (Diesel-Fired) | Cummins | NT-855-F2 | 10477671 | 1/1975 | 12/1975 | 340 HP | 3031-RV2 |
| 19075 | Emergency Generator (Diesel-Fired) | Cummins | NT-855-F2 | 10481182 | 1/1975 | 12/1975 | 340 HP | 3031-RV2 |
| 19076 | Emergency Generator (Diesel-Fired) | Cummins | NT-855-F2 | 10477283 | 1/1975 | 12/1975 | 340 HP | 3031-RV2 |
| 19089 | Emergency Generator (Diesel-Fired) | Cummins | NT855G3 | 11395097 | 4/1987 | 1987 (est) | 390 HP | 1786-M5 |
| 19091 | Emergency Generator (Diesel-Fired) | Cummins | KTA 38G2 | 33117719 | 4/1990 | Jun 1991 (est) | 750 HP | 3016-RV2 |

| Emission Unit | Unit Description | Manufacturer | Model Number | Serial Number | Date of Mfg. Equip. | Date of Installation | Rated Process Rate or Throughput | Permit Number |
|----------------------|------------------------------------|---------------------|---------------------|----------------------|----------------------------|-----------------------------|---|----------------------|
| 19093 | Emergency Generator (Diesel-Fired) | Caterpillar | 3412 | 38514737 | 10/1990 | Dec 1990 (est) | 660 HP | 3016-RV2 |
| 19096 | Emergency Generator (Diesel-Fired) | Detroit Diesel | 8083-7405 | 08VF165774 | 2/1995 | 6/1995 | 568 HP | 3032-M1-2AR |
| 19102 | Emergency Generator (Diesel-Fired) | Caterpillar | 3412 | 38514743 | 10/1990 | Dec 1990 (est) | 660 HP | 3016-RV2 |
| 19106 | Emergency Generator (Diesel-Fired) | Cummins | 6BT 5.9-G2 | 45614765 | 11/1997 | 1998 | 166 HP | 3032-M1-2AR |
| 19129 | Emergency Generator (Diesel-Fired) | Cummins | 6CT8.3-G2 | 46166194 | 11/2001 | 2002 | 207 HP | 3031-RV2 |
| 19130 | Emergency Generator (Diesel-Fired) | Caterpillar | 3412 | BLG00471 | 6/2003 | Jun 12 2003 | 1186 HP | 3031-RV2 |
| 19131 | Emergency Generator (Diesel-Fired) | Cummins | 6BT5.9-G6 | 46298238 | 3/2003 | 4/2003 | 170 HP | 1786-M5 |
| 19132 | Emergency Generator (Diesel-Fired) | Cummins | 6GTA8.3-G2 | 46298102 | 4/2003 | 4/2003 | 277 HP | 1786-M5 |
| 19133 | Emergency Generator (Diesel-Fired) | Cummins | KTA19-G4 | 37205356 | 10/2002 | 1/2003 | 755 HP | 1786-M5 |
| 19134 | Emergency Generator (Diesel-Fired) | Cummins | NT-855-G6 | 30370209 | 8/2003 | 2003 (est) | 435 HP | 1786-M5 |

| Emission Unit | Unit Description | Manufacturer | Model Number | Serial Number | Date of Mfg. Equip. | Date of Installation | Rated Process Rate or Throughput | Permit Number |
|----------------------|---|---------------------|---------------------|----------------------|----------------------------|-----------------------------|---|----------------------|
| 19135 | Emergency Generator (Natural Gas-Fired) | Cummins | GTA50-G3 | 25245737 | 11/2001 | 3/2004 | 1334 HP | 1759-M2 |
| 19140 | Emergency Generator (Diesel-Fired) | Cummins | 4BT-3.9 | 44410784 | 10/1989 | 1989 (est) | 102 HP | 3102 |
| 19142 | Emergency Generator (Diesel-Fired) | Cummins | 4BT-3.9 | 44410792 | 10/1989 | 1990 (est) | 102 HP | 3032-M1-2AR |
| 19143 | Emergency Generator (Diesel-Fired) | Cummins | L634D-I/10386E | 53113094 | 2/1989 | 1989 (est) | 50 HP | 3032-M1-2AR |
| 19147 | Emergency Generator (Diesel-Fired) | Cummins | KTA19-G4 | 37218247 | 6/2005 | 7/2005 | 755 HP | 1786-M5 |
| 19148 | Emergency Generator (Diesel-Fired) | Cummins | NTA-855-G3 | 30372333 | 4/2005 | 7/2005 | 535 HP | 1786-M5 |
| 19151 | Emergency Generator (Diesel-Fired) | Cummins | 4BTA3.9-G5 | 46652534 | 8/2006 | 1/2007 | 99 HP | 1945 |
| 19153 | Emergency Generator (Diesel-Fired) | Cummins | QSX15-G9 | 79219641 | 11/2006 | 5/2008 | 755 HP | 1786-M5 |
| 19154 | Emergency Generator (Diesel-Fired) | Perkins | 1104C-44 | U267553M | 1/2005 | 1/2008 | 65.6 HP | 3032-M1-2AR |
| 19155 | Emergency Generator (Diesel-Fired) | Doosan | PF180FE | EUSOB801355 | 12/2008 | 7/2010 | 770 HP | 1759-M2 |

| Emission Unit | Unit Description | Manufacturer | Model Number | Serial Number | Date of Mfg. Equip. | Date of Installation | Rated Process Rate or Throughput | Permit Number |
|----------------------|------------------------------------|---------------------|---------------------|----------------------|----------------------------|-----------------------------|---|----------------------|
| 19156 | Emergency Generator (Diesel-Fired) | Doosan | PF180FE | EUSOB801355 | 9/2008 | 7/2010 | 770 HP | 1759-M2 |
| 19157 | Emergency Generator (Diesel-Fired) | Doosan | PF180FE | EUSOB801360 | 9/2008 | 7/2010 | 770 HP | 1759-M2 |
| 19158 | Emergency Generator (Diesel-Fired) | Doosan | PF180FE | EUSOB801602 | 12/2008 | 7/2010 | 770 HP | 1759-M2 |
| 19159 | Emergency Generator (Diesel-Fired) | Caterpillar | C15 | FSE03270 | 2010 | 12/2010 | 762 HP | 2105-M1 |
| 19160 | Emergency Generator (Diesel-Fired) | Caterpillar | 1104C-44T | E4M01340 | 6/2006 | 12/2010 | 94.5 HP | 2085 |
| 19161 | Emergency Generator (Diesel-Fired) | Isuzu | BH-6UZ1X | 6UZ1-519625 | 2009 | 11/2010 | 348 HP | 2100 |
| 19163 | Emergency Generator (Diesel-Fired) | Cummins | QSL9-G3 NR3 | 73155996 | 11/2010 | 7/2011 | 399 HP | 2147 |
| 19164 | Emergency Generator (Diesel-Fired) | Cummins | QSB7-G5 NR3 | 73330547 | 11/2011 | 7/2012 | 250 HP | 3013-RV1 |
| 19168 | Emergency Generator (Diesel-Fired) | Onan | L423D-I/10198B | L852959549 | 1985 | 5/1987 | 25 HP | 3032-M1-2AR |
| 19169 | Emergency Generator (Diesel-Fired) | Cummins | QST30-G5 NR2 | 37260378 | 1/2014 | 5/2014 | 1490 HP | 3141-RV1 |

| Emission Unit | Unit Description | Manufacturer | Model Number | Serial Number | Date of Mfg. Equip. | Date of Installation | Rated Process Rate or Throughput | Permit Number |
|----------------------|------------------------------------|---------------------|---------------------|----------------------|----------------------------|-----------------------------|---|----------------------|
| 19170 | Emergency Generator (Diesel-Fired) | Cummins | QSX15-G9 | 79880317 | 4/2016 | 3/2016 | 755 HP | 1777-RV2 |
| 19171 | Emergency Generator (Diesel-Fired) | Cummins | QSX15-G9 | 79880312 | 4/2016 | 3/2016 | 755 HP | 1777-RV2 |
| 19172 | Emergency Generator (Diesel-Fired) | Cummins | QSX15-G9 | 79878800 | 4/2016 | 4/2016 | 755 HP | 1777-RV2 |
| 19173 | Emergency Generator (Diesel-Fired) | Cummins | QSX15-G9 | 79878802 | 4/2016 | 4/2016 | 755 HP | 1777-RV2 |
| 19174 | Emergency Generator (Diesel-Fired) | Cummins | QSK23-G7 | 85001221 | 5/2015 | 4/2016 | 1220 HP | 1786-M5 |
| 19176 | Emergency Generator (Diesel-Fired) | Cummins | QSX15-G9 | 79952468 | 11/2016 | 4/2017 | 755 HP | 3032-M1-2AR |
| 19177 | Emergency Generator (Diesel-Fired) | Cummins | QSX15-G9 | 79952467 | 11/2016 | 4/2017 | 755 HP | 3032-M1-2AR |
| 19178 | Emergency Generator (Diesel-Fired) | Cummins | QSK23 G7 | 85002330 | 8/2016 | 8/2016 | 1220 HP | 1786-M5 |
| 19179 | Emergency Generator (Diesel-Fired) | Kohler | KDI 3404TCR 4/G18 | 4629803140 | 2017 | 2017 | 74.3 HP | 3308 |
| 19181 | Emergency Generator (Diesel-Fired) | Cummins | QSB5-G5 NR3 | 74298504 | 4/2018 | 2018 (est) | 176 HP | 1786-M5 |

| Emission Unit | Unit Description | Manufacturer | Model Number | Serial Number | Date of Mfg. Equip. | Date of Installation | Rated Process Rate or Throughput | Permit Number |
|----------------------|---------------------------------------|---------------------|---------------------|----------------------|----------------------------|-----------------------------|---|----------------------|
| 19182 | Emergency Generator (Diesel-Fired) | Cummins | QSB5-G5 NR3 | 74305161 | 4/2018 | 2018 (est) | 176 HP | 1786-M5 |
| 19186 | Emergency Generator (Diesel-Fired) | Cummins | QSX15-G9 | 80422315 | 5/2022 | 4/2023 | 755 HP | 3470 |
| 19188 | Emergency Generator (Diesel-Fired) | Cummins | QSB7-G5 NR3 | 99049268 | 12/2022 | 7/2023 | 324 HP | 3492 |
| 19190 | Emergency Generator (Diesel-Fired) | Generac | F4GE9455A*J | 2034244 | 12/2022 | 12/2023 | 93 HP | 3501 |
| 20002 | T700 Kerosene-fired helicopter engine | General Electric | Various | Various | Various | Various | 2,000 hp* | 484-M3 |
| 20004 | T400 Kerosene-fired helicopter engine | Pratt & Whitney | Various | Various | Various | Various | 1,100 hp* | 484-M3 |
| 21004 | Paint Booth | Col-Met | TSD-16-16-85-P-DT | N/A | 2001 (est) | 5/2001 | 3 gal/hr per gun | 3128 |
| 21015 | Paint Booth with Filters | N/A | N/A | N/A | N/A | N/A | 30 lb/hr | 1770-RV3 |
| 22003 | Gasoline Storage | N/A | N/A | N/A | N/A | 1995 | 10,000 gallons | 3090-RV1 |
| 22004 | Gasoline Storage | N/A | N/A | N/A | N/A | 1995 | 10,000 gallons | 3090-RV1 |

* Conservative estimate, horsepower varies depending on test mode

Attachment C
Emission Calculation Spreadsheets

Emission Estimates

Source Registration 3047 - West Side Steam Boilers

Emission Unit IDs

14166, 14167

Kirtland Air Force Base
Criteria Pollutant Emission Estimation Spreadsheet
Natural Gas Boiler at Building 278
Process Equipment Unit No. 1

For Unit 1, boiler criteria pollutant emissions for carbon monoxide (CO), nitrogen oxide (NO_x), Particulate (PM = PM₁₀ = PM_{2.5}), sulfur dioxide (SO₂), volatile organic compounds (VOC), and hazardous air pollutants (HAP) are based on EPA's AP-42 Section 1.4, "Natural Gas Combustion" emission factors (July 1998).

Annual uncontrolled emissions for all criteria pollutants are based on the operation of the unit 8,760 hours per year.

Annual controlled emissions for all criteria pollutants are based on the operation of the unit 5,592 hours per year, which is derived from the Air Force Civil Engineer Center Potential to Emit (PTE) Guide (December 2014) containing a representative number of 233 heating days per year for Kirtland Air Force Base.

| Unit No. 1 information | | |
|---|--|----------|
| Unit 1 Identification | Unit ID 14166 | |
| Maker | Lochinvar | |
| Model | FBN1001 | |
| Description | Comfort-heat boiler, natural gas fired | |
| Serial Number | 2026 119854338 | |
| Heat Input Rating | 999,000 | Btu/hr |
| Converted Rating | 0.999 | MMBtu/hr |
| Natural Gas Heat Value ¹ | 1,020 | Btu/scf |
| Representative Heating Days ² | 233 | day/yr |
| Annual Uncontrolled Hours of Operation | 8,760 | hr/yr |
| Annual Controlled Hours of Operation ³ | 5,592 | hr/yr |

| Criteria Air Pollutants | AP-42 Emission Factors ⁴ (lb/10 ⁶ scf) | Emission Factors ⁵ (lb/MMBtu) | Hourly Emissions ⁶ (lb/hr) | Controlled Emissions ⁷ (ton/yr) | Uncontrolled Emissions ⁸ (ton/yr) |
|--|---|---|--|---|---|
| Carbon Monoxide | 84 | 0.082 | 0.082 | 0.23 | 0.36 |
| Nitrogen Oxides | 50 | 0.049 | 0.049 | 0.14 | 0.21 |
| Particulate Matter | 7.6 | 0.0075 | 0.0074 | 0.021 | 0.033 |
| Particulate Matter <10µm ⁹ | 7.6 | 0.0075 | 0.0074 | 0.021 | 0.033 |
| Particulate Matter <2.5µm ⁹ | 7.6 | 0.0075 | 0.0074 | 0.021 | 0.033 |
| Sulfur Oxides | 0.6 | 0.00059 | 0.00059 | 0.0016 | 0.0026 |
| Volatile Organic Compounds | 5.5 | 0.0054 | 0.0054 | 0.015 | 0.024 |
| Hazardous Air Pollutants | | | | | |
| 2-Methylnaphthalene | 0.000024 | 0.00000024 | 0.00000024 | 0.00000066 | 0.00000103 |
| 3-Methylcholanthrene | 0.000018 | 0.000000018 | 0.000000018 | 0.000000049 | 0.000000077 |
| 7, 12- | 0.000016 | 0.000000016 | 0.000000016 | 0.000000044 | 0.000000069 |
| Acenaphthene | 0.000018 | 0.000000018 | 0.000000018 | 0.000000049 | 0.000000077 |
| Acenaphthylene | 0.000018 | 0.000000018 | 0.000000018 | 0.000000049 | 0.000000077 |
| Anthracene | 0.000024 | 0.000000024 | 0.000000024 | 0.000000066 | 0.000000103 |
| Benz(a)anthracene | 0.000018 | 0.000000018 | 0.000000018 | 0.000000049 | 0.000000077 |
| Benzene | 0.0021 | 0.0000021 | 0.0000021 | 0.0000058 | 0.0000090 |
| Benzo(a)pyrene | 0.000012 | 0.000000012 | 0.000000012 | 0.000000033 | 0.000000051 |
| Benzo(b)fluoranthene | 0.000018 | 0.000000018 | 0.000000018 | 0.000000049 | 0.000000077 |
| Benzo(g, h, i) perylene | 0.000012 | 0.000000012 | 0.000000012 | 0.000000033 | 0.000000051 |
| Benzo(k)fluoranthene | 0.000018 | 0.000000018 | 0.000000018 | 0.000000049 | 0.000000077 |
| Butane | 2.1 | 0.0021 | 0.0021 | 0.0058 | 0.0090 |
| Chrysene | 0.000018 | 0.000000018 | 0.000000018 | 0.000000049 | 0.000000077 |
| Dibenzo(a,h)anthracene | 0.000012 | 0.000000012 | 0.000000012 | 0.000000033 | 0.000000051 |
| Dichlorobenzene | 0.0012 | 0.0000012 | 0.0000012 | 0.0000033 | 0.0000051 |
| Ethane | 3.1 | 0.0030 | 0.0030 | 0.0085 | 0.013 |
| Fluoranthene | 0.000030 | 0.000000029 | 0.000000029 | 0.000000082 | 0.00000013 |
| Fluorene | 0.000028 | 0.000000027 | 0.000000027 | 0.000000077 | 0.00000012 |
| Formaldehyde | 0.075 | 0.000074 | 0.000073 | 0.00021 | 0.00032 |
| Hexane | 1.8 | 0.0018 | 0.0018 | 0.0049 | 0.0077 |
| Indeno(1,2,3-cd)pyrene | 0.000018 | 0.000000018 | 0.000000018 | 0.000000049 | 0.000000077 |
| Napthalene | 0.00061 | 0.00000060 | 0.00000060 | 0.0000017 | 0.0000026 |
| Pentane | 2.6 | 0.0025 | 0.0025 | 0.0071 | 0.011 |
| Phenanthrene | 0.000017 | 0.000000017 | 0.000000017 | 0.000000047 | 0.000000073 |
| Propane | 1.6 | 0.0016 | 0.0016 | 0.0044 | 0.0069 |
| Pyrene | 0.000005 | 0.000000049 | 0.000000049 | 0.00000014 | 0.000000021 |
| Toluene | 0.0034 | 0.0000033 | 0.0000033 | 0.0000093 | 0.000015 |
| Sum HAP Emissions | 11.3 | 0.011 | 0.011 | 0.031 | 0.048 |

¹ The heating value (HV) of natural gas is given in AP-42 Section 1.4.1 Natural Gas Combustion, General (July 1998) as 1,020 Btu/scf.

² Representative heating days from Air Force Civil Engineer Center Potential to Emit Guide (December 2014).

³ The following equation was used to convert heating days per year to heating hours per year: Controlled hours of operation = Heating days (day/yr) * 24 hours per day (hr/day)

⁴ Emission factors from EPA AP-42 Section 1.4 Natural Gas Combustion, Tables 1.4-1, 1.4-2, and 1.4-3 (July 1998).

⁵ The following equation was used to convert the AP-42 emission factors from lb/10⁶ scf to lb/MMBtu. EF (lb/MMBtu) = EF (lb/10⁶ scf) / Heating value of natural gas (BTU/scf) where: EF = Emission Factor

⁶ The following equation was used to estimate hourly emissions for each pollutant: Hourly emissions (lb/hr) = EF (lb/MMBtu) * (Btu Rating (Btu/hr) / 1,000,000) where: EF = Emission Factor

⁷ The following equation was used to estimate annual emissions for each pollutant:

Annual emissions (ton/yr) = Hourly emissions (lb/hr) * Annual hours (hrs/yr) / 2,000 (lb/ton) where: Annual hours = 5,592

⁸ Potential to Emit (PTE) was estimated based on the number of hours in a year (8,760 hours per year). The following equation was used to estimate PTE:

PTE (ton/yr) = Hourly emissions (lb/hr) * 8,760 (hrs/yr) / 2,000 (lb/ton)

⁹ Assume Particulate Matter <2.5µm and Particulate Matter <10µm equal Particulate Matter.

**Kirtland Air Force Base
Criteria Pollutant Emission Estimation Spreadsheet
Natural Gas Boiler at Building 278
Process Equipment Unit No. 2**

For Unit 2, boiler criteria pollutant emissions for carbon monoxide (CO), nitrogen oxide (NO_x), Particulate (PM = PM10 = PM2.5), sulfur dioxide (SO₂), volatile organic compounds (VOC), and hazardous air pollutants (HAP) are based on EPA's AP-42 Section 1.4, "Natural Gas Combustion" emission factors (July 1998).

Annual uncontrolled emissions for all criteria pollutants are based on the operation of the unit 8,760 hours per year.

Annual controlled emissions for all criteria pollutants are based on the operation of the unit 5,592 hours per year, which is derived from the Air Force Civil Engineer Center Potential to Emit (PTE) Guide (December 2014) containing a representative number of 233 heating days per year for Kirtland Air Force Base.

| Unit No. 2 Information | | |
|---|--|----------|
| Unit 2 Identification | Unit ID 14167 | |
| Maker | Lochinvar | |
| Model | FBN1001 | |
| Description | Comfort-heat boiler, natural gas fired | |
| Serial Number | 2026 119854337 | |
| Heat Input Rating | 999,000 | Btu/hr |
| Converted Rating | 0.999 | MMBtu/hr |
| Natural Gas Heat Value ¹ | 1,020 | Btu/scf |
| Representative Heating Days ² | 233 | day/yr |
| Annual Uncontrolled Hours of Operation | 8,760 | hr/yr |
| Annual Controlled Hours of Operation ³ | 5,592 | hr/yr |

| Criteria Air Pollutants | AP-42 Emission Factors ⁴ (lb/10 ⁶ scf) | Emission Factors ⁵ (lb/MMBtu) | Hourly Emissions ⁶ (lb/hr) | Controlled Emissions ⁷ (ton/yr) | Uncontrolled Emissions ⁸ (ton/yr) |
|--|---|---|--|---|---|
| Carbon Monoxide | 84 | 0.082 | 0.082 | 0.23 | 0.36 |
| Nitrogen Oxides | 50 | 0.049 | 0.049 | 0.14 | 0.21 |
| Particulate Matter | 7.6 | 0.0075 | 0.0074 | 0.021 | 0.033 |
| Particulate Matter <10µm ⁹ | 7.6 | 0.0075 | 0.0074 | 0.021 | 0.033 |
| Particulate Matter <2.5µm ⁹ | 7.6 | 0.0075 | 0.0074 | 0.021 | 0.033 |
| Sulfur Oxides | 0.6 | 0.00059 | 0.00059 | 0.0016 | 0.0026 |
| Volatile Organic Compounds | 5.5 | 0.0054 | 0.0054 | 0.015 | 0.024 |
| Hazardous Air Pollutants | | | | | |
| 2-Methylnaphthalene | 0.000024 | 0.000000024 | 0.000000024 | 0.000000066 | 0.000000103 |
| 3-Methylcholanthrene | 0.000018 | 0.000000018 | 0.000000018 | 0.000000049 | 0.000000077 |
| 7, 12- | 0.000016 | 0.000000016 | 0.000000016 | 0.000000044 | 0.000000069 |
| Acenaphthene | 0.000018 | 0.000000018 | 0.000000018 | 0.000000049 | 0.000000077 |
| Acenaphthylene | 0.000018 | 0.000000018 | 0.000000018 | 0.000000049 | 0.000000077 |
| Anthracene | 0.000024 | 0.000000024 | 0.000000024 | 0.000000066 | 0.000000103 |
| Benz(a)anthracene | 0.000018 | 0.000000018 | 0.000000018 | 0.000000049 | 0.000000077 |
| Benzene | 0.0021 | 0.0000021 | 0.0000021 | 0.0000058 | 0.0000090 |
| Benzo(a)pyrene | 0.000012 | 0.000000012 | 0.000000012 | 0.000000033 | 0.000000051 |
| Benzo(b)fluoranthene | 0.000018 | 0.000000018 | 0.000000018 | 0.000000049 | 0.000000077 |
| Benzo(g, h, i) perylene | 0.000012 | 0.000000012 | 0.000000012 | 0.000000033 | 0.000000051 |
| Benzo(k)fluoranthene | 0.000018 | 0.000000018 | 0.000000018 | 0.000000049 | 0.000000077 |
| Butane | 2.1 | 0.0021 | 0.0021 | 0.0058 | 0.0090 |
| Chrysene | 0.000018 | 0.000000018 | 0.000000018 | 0.000000049 | 0.000000077 |
| Dibenzo(a,h)anthracene | 0.000012 | 0.000000012 | 0.000000012 | 0.000000033 | 0.000000051 |
| Dichlorobenzene | 0.0012 | 0.0000012 | 0.0000012 | 0.0000033 | 0.0000051 |
| Ethane | 3.1 | 0.0030 | 0.0030 | 0.0085 | 0.013 |
| Fluoranthene | 0.000030 | 0.000000029 | 0.000000029 | 0.000000082 | 0.00000013 |
| Fluorene | 0.000028 | 0.000000027 | 0.000000027 | 0.000000077 | 0.00000012 |
| Formaldehyde | 0.075 | 0.000074 | 0.000073 | 0.00021 | 0.00032 |
| Hexane | 1.8 | 0.0018 | 0.0018 | 0.0049 | 0.0077 |
| Indeno(1,2,3,-cd)pyrene | 0.000018 | 0.000000018 | 0.000000018 | 0.000000049 | 0.000000077 |
| Napthalene | 0.00061 | 0.0000060 | 0.0000060 | 0.0000017 | 0.0000026 |
| Pentane | 2.6 | 0.0025 | 0.0025 | 0.0071 | 0.011 |
| Phenanthrene | 0.000017 | 0.000000017 | 0.000000017 | 0.000000047 | 0.000000073 |
| Propane | 1.6 | 0.0016 | 0.0016 | 0.0044 | 0.0069 |
| Pyrene | 0.000005 | 0.000000049 | 0.000000049 | 0.00000014 | 0.000000021 |
| Toluene | 0.0034 | 0.0000033 | 0.0000033 | 0.0000093 | 0.000015 |
| Sum HAP Emissions | 11.3 | 0.011 | 0.011 | 0.031 | 0.048 |

¹ The heating value (HV) of natural gas is given in AP-42 Section 1.4.1 Natural Gas Combustion, General (July 1998) as 1,020 Btu/scf.

² Representative heating days from Air Force Civil Engineer Center Potential to Emit Guide (December 2014).

³ The following equation was used to convert heating days per year to heating hours per year: Controlled hours of operation = Heating days (day/yr) * 24 hours per day (hr/day)

⁴ Emission factors from EPA AP-42 Section 1.4 Natural Gas Combustion, Tables 1.4-1, 1.4-2, and 1.4-3 (July 1998).

⁵ The following equation was used to convert the AP-42 emission factors from lb/10⁶ scf to lb/MMBtu. EF (lb/MMBtu) = EF (lb/10⁶ scf) / Heating value of natural gas (BTU/scf) where: EF = Emission Factor

⁶ The following equation was used to estimate hourly emissions for each pollutant: Hourly emissions (lb/hr) = EF (lb/MMBtu) * (Btu Rating (Btu/hr) / 1,000,000) where: EF = Emission Factor

⁷ The following equation was used to estimate annual emissions for each pollutant: Annual emissions (ton/yr) = Hourly emissions (lb/hr) * Annual hours (hrs/yr) / 2,000 (lb/ton) where: Annual hours = 5,592

⁸ Potential to Emit (PTE) was estimated based on the number of hours in a year (8,760 hours per year). The following equation was used to estimate PTE: PTE (ton/yr) = Hourly emissions (lb/hr) * 8,760 (hrs/yr) / 2,000 (lb/ton)

⁹ Assume Particulate Matter <2.5µm and Particulate Matter <10µm equal Particulate Matter.

Emission Estimates

Permit 3470 - 898th Munitions Squadron

Emission Unit ID

19186

PTE Calculations for 20.11.41 NMAC Air Quality Permit Application For Emergency Diesel Engines - Building 27497 Kirtland Airforce Base Unit #19186

Section 4. Potential Emission Rate (Uncontrolled Emissions)

| Pollutant | *Emission Factors (g/Hp-hr) | Actual Engine HP | Emissions (g/hr) | g/lb | Emissions (lbs/hr) | Operating Hours/Year | Pounds Per Ton | Emissions (tons/year) |
|--------------|-----------------------------|------------------|------------------|--------|--------------------|----------------------|----------------|-----------------------|
| **CO | 2.6 | 755 | 1963 | 453.56 | 4.33 | 8760 | 2000 | 18.96 |
| **NOx | 4.56 | 755 | 3443 | 453.56 | 7.59 | 8760 | 2000 | 33.24 |
| **NMHC | 0.24 | 755 | 181.2 | 453.56 | 0.40 | 8760 | 2000 | 1.75 |
| **NOx + NMHC | 4.8 | 755 | 3624 | 453.56 | 7.99 | 8760 | 2000 | 35.00 |
| ***SOx | 3.67 | 755 | 2771 | 453.56 | 6.11 | 8760 | 2000 | 26.76 |
| *PM | 0.1 | 755 | 75.5 | 453.56 | 0.17 | 8760 | 2000 | 0.73 |

Section 5. Potential to Emit (Requested Allowable Rate) (Controlled Emissions)

| Pollutant | *Emission Factors (g/Hp-hr) | Actual Engine HP | Emissions (g/hr) | g/lb | Emissions (lbs/hr) | Operating Hours/Year | Pounds Per Ton | Emissions (tons/year) |
|--------------|-----------------------------|------------------|------------------|--------|--------------------|----------------------|----------------|-----------------------|
| **CO | 2.6 | 755 | 1963 | 453.56 | 4.33 | 200 | 2000 | 0.43 |
| **NOx | 4.56 | 755 | 3443 | 453.56 | 7.59 | 200 | 2000 | 0.76 |
| **NMHC | 0.24 | 755 | 181.2 | 453.56 | 0.40 | 200 | 2000 | 0.04 |
| **NOx + NMHC | 4.8 | 755 | 3624 | 453.56 | 7.99 | 200 | 2000 | 0.80 |
| ***SOx | 3.67 | 755 | 2771 | 453.56 | 6.11 | 200 | 2000 | 0.61 |
| *PM | 0.1 | 755 | 75.5 | 453.56 | 0.17 | 200 | 2000 | 0.02 |

Notes:

* Emission Factor from Manufacturers Specification Sheet

** Emission Factor from U.S. EPA's Tier 2 HC and NOx equivalent standards for diesel generators with ≥ 750 horsepower

*** Emission Factor from U.S. EPA's Compilation of Air Pollutant Emissions Factors (AP-42) Section 3.4

| U.S. EPA's AP-42 Hazardous Air Pollutants (HAP's)*** | Emission Factors (lb/MMBtu) | Total HAPs (lb/hr) | Total HAPs (ton/yr) |
|--|-----------------------------|--------------------|---------------------|
| Benzene | 7.76E-04 | 3.93E-04 | 3.93E-05 |
| Toluene | 2.81E-04 | 1.42E-04 | 1.42E-05 |
| Xylenes | 1.93E-04 | 9.77E-05 | 9.77E-06 |
| Propylene | 2.79E-03 | 1.41E-03 | 1.41E-04 |
| Formaldehyde | 7.89E-05 | 3.99E-05 | 3.99E-06 |
| Acetaldehyde | 2.52E-05 | 1.28E-05 | 1.28E-06 |
| Acrolein | 7.88E-06 | 3.99E-06 | 3.99E-07 |
| Total HAP's | | 2.10188E-03 | 2.10188E-04 |

| Manufacturer Genset Specs | |
|---------------------------|-------|
| Power Rating (kW) | 500 |
| Hp | 755 |
| BHP | 755 |
| MMBtu/hr | 0.506 |
| Estimated Run Time (hrs) | 200 |

Emission Estimates

Permit 3492 - Fire Station 3

Emission Unit ID

19188

KAFB - Fire Station No. 3 Emergency Generator

| | | |
|-------------------------------|-------------|----------|
| Unit: | EG-1 | |
| Generator Make: | Cummins | |
| Generator Model: | C150 D6D | |
| Engine Make: | Cummins | |
| Engine Model: | OSB7-G5 NR3 | |
| Annual Hours of Operation: | 8,760 | hr/yr |
| Requested Hours of Operation: | 500 | hr/yr |
| Generator Standby Rating: | 150 | kW |
| Engine Nameplate Horsepower: | 324 | hp |
| Maximum Fuel Flow: | 27 | gal/hr |
| Diesel Heat Value (AP-42): | 137,000 | Btu/gal |
| Engine Heat Input: | 3.70 | MMBtu/hr |
| Fuel: | Diesel | |

Criteria Pollutant and VOC Emissions

| Pollutant | Diesel Emission Factor (g/hp-hr) | Potential Emissions (g/hr) | Potential Emissions (lb/hr) | Uncontrolled Emissions (lb/yr) | Uncontrolled Emissions (tpy) | Controlled Emissions (lb/yr) | Controlled Emissions (tpy) | Emission Factor Source |
|------------------------------|-----------------------------------|----------------------------|-----------------------------|--------------------------------|------------------------------|------------------------------|----------------------------|---|
| NOx ¹ | 2.85 | 923.40 | 2.04 | 17832.86 | 8.92 | 1017.86 | 0.51 | EPA Tier 3 |
| NOx + NMHC | 3.00 | 972.00 | 2.14 | 18771.43 | 9.39 | 1071.43 | 0.54 | EPA Tier 3 |
| CO | 2.60 | 842.40 | 1.86 | 16268.57 | 8.13 | 928.57 | 0.46 | EPA Tier 3 |
| PM ₁₀ | 0.15 | 48.60 | 0.11 | 938.57 | 0.47 | 53.57 | 0.027 | EPA Tier 3 |
| PM _{2.5} | 0.15 | 48.60 | 0.11 | 938.57 | 0.47 | 53.57 | 0.027 | EPA Tier 3 |
| NMHC (VOC) ¹ | 0.15 | 48.60 | 0.11 | 938.57 | 0.47 | 53.57 | 0.027 | EPA Tier 3 |
| Pollutant | Diesel Emission Factor (lb/hp-hr) | Potential Emissions (g/hr) | Potential Emissions (lb/hr) | Uncontrolled Emissions (lb/yr) | Uncontrolled Emissions (tpy) | Controlled Emissions (lb/yr) | Controlled Emissions (tpy) | Emission Factor Source |
| SO ₂ ² | 2.05E-03 | 301.32 | 0.66 | 5818.39 | 2.91 | 332.10 | 0.17 | AP-42, Table 3.3-1 (10/96) ² |

Notes:

¹ Based on California Air Resource Board (CARB) Guidance, NOx+ NMHC was assumed to be 95% NOx and 5% NMHC.

² Taken from AP-42 Section 3.3, Table 3.3-1 (applicable for diesel engines less than 600 hp). Emission factor is for SO_x - assumes that all SO_x is SO₂. Equal to 0.93 g/hp-hr

HAP Emissions

| Pollutant | Diesel Emission Factor (lb/MMBtu) | Potential Emissions (lb/hr) | Uncontrolled Emissions (tpy) | Controlled Emissions (tpy) | Emission Factor Source |
|---------------|-----------------------------------|-----------------------------|------------------------------|----------------------------|------------------------|
| Benzene | 9.33E-04 | 3.45E-03 | 0.015 | 8.63E-04 | AP-42 Table 3.3-2 |
| Toluene | 4.09E-04 | 1.51E-03 | 0.0066 | 3.78E-04 | AP-42 Table 3.3-2 |
| Xylenes | 2.85E-04 | 1.05E-03 | 0.0046 | 2.64E-04 | AP-42 Table 3.3-2 |
| 1,3-Butadiene | 3.91E-05 | 1.45E-04 | 0.00063 | 3.62E-05 | AP-42 Table 3.3-2 |
| Formaldehyde | 1.18E-03 | 4.36E-03 | 0.019 | 1.09E-03 | AP-42 Table 3.3-2 |
| Acetaldehyde | 7.67E-04 | 2.84E-03 | 0.012 | 7.09E-04 | AP-42 Table 3.3-2 |
| Acrolein | 9.25E-05 | 3.42E-04 | 0.0015 | 8.55E-05 | AP-42 Table 3.3-2 |
| Naphthalene | 8.48E-05 | 3.14E-04 | 0.0014 | 7.84E-05 | AP-42 Table 3.3-2 |
| Total | 3.79E-03 | 0.014 | 0.061 | 0.0035 | - |

| Exhaust Parameters | | |
|--------------------|---------|----------------------|
| Stack Height | 10.00 | ft |
| Exit Diameter | 0.33 | ft |
| Stack Area | 0.087 | ft ² |
| Exhaust Flow | 1258.00 | ft ³ /min |
| Exhaust Flow | 20.97 | ft ³ /s |
| Exit Velocity | 240.26 | ft/s |
| Temperature | 872.00 | *F |

Emission Estimates

Permit 3501 - Base Defense Operations Center

Emission Unit ID

19190

Emergency Engine Emissions

Emission Unit: GEN-1
 Source Description: Emergency Generator
 Manufacturer: Generac
 Model: F4GE9455A*J
 Type: N/A

Fuel Consumption

| | | |
|--------------------------------|-----------------|--------------------------|
| Rated Engine Power (BHP) | 93 bhp | Manufacturer Site Rating |
| Fuel consumption | 5.04 gal/hr | Manufacturer Spec Sheet |
| Max operating hours | 8760 hr | |
| Requested Operating hours | 200 hr | |
| Diesel Heat Value ⁴ | 137,000 Btu/gal | |
| Heat Input: | 0.69 MMBtu/hr | |

| Emissions Summary | | | | | | | | | | | | | | | | | | |
|---------------------------------|------------------------------|-----------------|-------------------|------------------------------|------------------------------------|-----------------|---------------------------|---------------------------|-----------------------|----------------------|------------------------|----------------------|---------------------|------------------------|----------------------------|--------------------------|------------------------|-----------------------------|
| Emission Factors | NO _x ⁵ | CO ¹ | NMHC ⁵ | SO _x ² | NO _x +NMHC ¹ | PM ¹ | Formaldehyde ³ | Acetaldehyde ³ | Acrolein ³ | Benzene ³ | E-Benzene ³ | Toluene ³ | Xylene ³ | Propylene ³ | 1,3-Butadiene ³ | Naphthalene ³ | Total HAP ³ | Units |
| | 3.07 | 1.04 | 0.16 | 0.29 | 3.23 | 0.240 | 1.18E-03 | 7.67E-04 | 9.25E-05 | 9.33E-04 | - | 4.09E-04 | 2.85E-04 | 2.58E-03 | 3.91E-05 | 8.48E-05 | | g/bhp-hr lb/MMBtu ppm |
| Hourly Totals | 0.63 | 0.21 | 0.03 | 0.20 | 0.88 | 0.05 | 8.15E-04 | 5.30E-04 | 6.39E-05 | 6.44E-04 | - | 2.82E-04 | 1.97E-04 | 1.78E-03 | 2.70E-05 | 5.86E-05 | 0.004 | lb/hr |
| Annual Totals | 2.76 | 0.93 | 0.15 | 0.88 | 3.23 | 0.22 | 3.57E-03 | 2.32E-03 | 2.80E-04 | 2.82E-03 | - | 1.24E-03 | 8.62E-04 | 7.80E-03 | 1.18E-04 | 2.56E-04 | 0.019 | ton/yr |
| Requested Emissions (lb/hr) | 0.63 | 0.21 | 0.03 | 0.20 | 0.88 | 0.05 | 8.15E-04 | 5.30E-04 | 6.39E-05 | 6.44E-04 | - | 2.82E-04 | 1.97E-04 | 1.78E-03 | 2.70E-05 | 5.86E-05 | 0.004 | lb/hr |
| Requested Emissions (200 hr/yr) | 0.06 | 0.02 | 0.00 | 0.02 | 0.08 | 0.00 | 8.15E-05 | 5.30E-05 | 6.39E-06 | 6.44E-05 | - | 2.82E-05 | 1.97E-05 | 1.78E-04 | 2.70E-06 | 5.86E-06 | 0.000 | ton/yr |

Notes

- ¹ Emissions factors are referenced from the catalyst spec sheet.
- ² SO_x is calculated based on AP 42 Table 3.3-1.
- ³ HAPs emissions factors are referenced from AP-42 Table 3.3-1 & 3.3-2. HAPs include: Formaldehyde, Acetaldehyde, Acrolein, Benzene, Toluene, Xylene, Propylene, 1,3-Butadiene, and Naphthalene.
- ⁴ Appendix A, AP 42
- ⁵ NO_x and NMHC are derived from NO_x+NMHC based on the assumption of 95% NO_x and 5% NMHC according to Table D-25 on California Environmental Protection Agency (CARB, Revised date: Dec 18, 2011)

Emission Estimates for Kirtland AFB Greenhouse Gas

All Emission Unit IDs with Permitted Emission Limits

| Potential Greenhouse Gas Emissions from Title V Permitted Units ¹ | | | | | | | | | |
|--|---------|-------------|------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------------|
| | Unit ID | Fuel Type | Emission Unit Size (Hp & MMBtu/hr) | Maximum Permitted Hours | Fuel Use (gal or MMScf) | PTE CO2 Emissions (lbs) | PTE CH4 Emissions (lbs) | PTE N2O Emissions (lbs) | PTE CO2e Emissions (tons) |
| Test Cell ² | 20002 | Jet Fuel | 2000 | 235 | 12985.1 | 279102 | 11.6 | 2.3 | 140.0 |
| | 20004 | Jet Fuel | 1100 | 350 | 13478.9 | 289717 | 12.0 | 2.4 | 145.4 |
| Test Cell Subtotals: | | | | | | 568,819 | 24 | 5 | 285 |
| Internal Combustion ³ | 18001 | Diesel | 425 | 500 | 10779.0 | 242539 | 9.8 | 2.0 | 121.7 |
| | 19003 | Diesel | 135 | 200 | 1369.6 | 30817 | 1.3 | 0.3 | 15.5 |
| | 19006 | Diesel | 102 | 200 | 1034.8 | 23284 | 0.9 | 0.2 | 11.7 |
| | 19015 | Diesel | 102 | 200 | 1034.8 | 23284 | 0.9 | 0.2 | 11.7 |
| | 19016 | Diesel | 40 | 200 | 405.8 | 9131 | 0.4 | 0.1 | 4.6 |
| | 19019 | Diesel | 102 | 200 | 1034.8 | 23284 | 0.9 | 0.2 | 11.7 |
| | 19031 | Diesel | 355 | 200 | 3601.4 | 81036 | 3.3 | 0.7 | 40.7 |
| | 19032 | Diesel | 465 | 200 | 4717.4 | 106146 | 4.3 | 0.9 | 53.3 |
| | 19069 | Diesel | 340 | 200 | 3449.3 | 77612 | 3.1 | 0.6 | 38.9 |
| | 19074 | Diesel | 340 | 200 | 3449.3 | 77612 | 3.1 | 0.6 | 38.9 |
| | 19076 | Diesel | 340 | 200 | 3449.3 | 77612 | 3.1 | 0.6 | 38.9 |
| | 19089 | Diesel | 335 | 200 | 3398.6 | 76471 | 3.1 | 0.6 | 38.4 |
| | 19091 | Diesel | 750 | 200 | 7608.7 | 171204 | 6.9 | 1.4 | 85.9 |
| | 19093 | Diesel | 660 | 200 | 6695.7 | 150659 | 6.1 | 1.2 | 75.6 |
| | 19096 | Diesel | 568 | 200 | 5762.3 | 129658 | 5.3 | 1.1 | 65.1 |
| | 19102 | Diesel | 660 | 200 | 6695.7 | 150659 | 6.1 | 1.2 | 75.6 |
| | 19106 | Diesel | 166 | 200 | 1684.1 | 37893 | 1.5 | 0.3 | 19.0 |
| | 19129 | Diesel | 207 | 200 | 2100.0 | 47252 | 1.9 | 0.4 | 23.7 |
| | 19130 | Diesel | 1186 | 200 | 12031.9 | 270730 | 11.0 | 2.2 | 135.8 |
| | 19131 | Diesel | 170 | 200 | 1724.6 | 38806 | 1.6 | 0.3 | 19.5 |
| | 19132 | Diesel | 277 | 200 | 2810.1 | 63231 | 2.6 | 0.5 | 31.7 |
| | 19133 | Diesel | 755 | 200 | 7715.3 | 172345 | 7.0 | 1.4 | 86.8 |
| | 19134 | Diesel | 435 | 200 | 4413.0 | 99298 | 4.0 | 0.8 | 49.8 |
| | 19135 | Natural Gas | 1334 | 200 | 1.8 | 218298 | 4.1 | 0.4 | 109.3 |
| | 19142 | Diesel | 102 | 200 | 1034.8 | 23284 | 0.9 | 0.2 | 11.7 |
| | 19143 | Diesel | 50 | 200 | 507.2 | 11414 | 0.5 | 0.1 | 5.7 |
| | 19147 | Diesel | 755 | 200 | 7715.3 | 173602 | 7.0 | 1.4 | 86.8 |
| | 19148 | Diesel | 535 | 200 | 5427.5 | 122125 | 5.0 | 1.0 | 61.3 |
| | 19151 | Diesel | 99 | 500 | 2510.9 | 56497 | 2.3 | 0.5 | 28.3 |
| | 19153 | Diesel | 755 | 200 | 7659.4 | 172345 | 7.0 | 1.4 | 86.8 |
| | 19154 | Diesel | 65.6 | 200 | 665.5 | 14975 | 0.6 | 0.1 | 7.5 |
| | 19155 | Diesel | 752 | 200 | 7629.0 | 171660 | 7.0 | 1.4 | 86.1 |
| | 19156 | Diesel | 752 | 200 | 7629.0 | 171660 | 7.0 | 1.4 | 86.1 |
| | 19157 | Diesel | 752 | 200 | 7629.0 | 171660 | 7.0 | 1.4 | 86.1 |
| | 19158 | Diesel | 752 | 200 | 7629.0 | 171660 | 7.0 | 1.4 | 86.1 |
| | 19159 | Diesel | 762 | 200 | 7786.9 | 175213 | 7.1 | 1.4 | 87.6 |
| | 19160 | Diesel | 94.5 | 200 | 958.7 | 21571.7 | 0.875 | 0.175 | 10.8 |
| | 19161 | Diesel | 348 | 200 | 3530.4 | 79438.5 | 3.222 | 0.644 | 39.9 |
| | 19163 | Diesel | 399 | 200 | 4047.8 | 91080.4 | 3.694 | 0.739 | 45.7 |
| | 19164 | Diesel | 250 | 200 | 2536.2 | 57068 | 2.3 | 0.5 | 28.6 |
| 19168 | Diesel | 25 | 200 | 253.6 | 5707 | 0.2 | 0.0 | 2.9 | |
| 19169 | Diesel | 1490 | 200 | 15115.9 | 340125 | 13.8 | 2.8 | 170.6 | |
| 19170 | Diesel | 755 | 200 | 7715.3 | 173602 | 7.0 | 1.4 | 86.8 | |
| 19171 | Diesel | 755 | 200 | 7715.3 | 173602 | 7.0 | 1.4 | 86.8 | |
| 19172 | Diesel | 755 | 200 | 7715.3 | 173602 | 7.0 | 1.4 | 86.8 | |
| 19173 | Diesel | 755 | 200 | 7715.3 | 173602 | 7.0 | 1.4 | 86.8 | |
| 19174 | Diesel | 1220 | 200 | 12376.8 | 278491 | 11.3 | 2.3 | 139.7 | |
| 19176 | Diesel | 755 | 200 | 7715.3 | 173602 | 7.0 | 1.4 | 86.8 | |
| 19177 | Diesel | 755 | 200 | 7715.3 | 173602 | 7.0 | 1.4 | 86.8 | |
| 19178 | Diesel | 1220 | 200 | 12376.8 | 278491 | 11.3 | 2.3 | 139.7 | |
| 19179 | Diesel | 74.3 | 200 | 753.8 | 16961 | 0.7 | 0.1 | 8.5 | |
| 19181 | Diesel | 176 | 200 | 1785.5 | 40176 | 1.6 | 0.3 | 20.2 | |
| 19182 | Diesel | 176 | 200 | 1785.5 | 40176 | 1.6 | 0.3 | 20.2 | |
| 19186 | Diesel | 755 | 200 | 7715.3 | 173602 | 7.0 | 1.4 | 86.8 | |
| 19188 | Diesel | 324 | 500 | 3310.9 | 74499 | 3.0 | 0.6 | 37.2 | |
| 19190 | Diesel | 93 | 200 | 950.4 | 21385 | 0.9 | 0.2 | 10.7 | |
| ICOM Subtotals: | | | | | | 6,395,345 | 255 | 51 | 3,206 |
| External Combustion | 14014 | Nat Gas | 6.25 | 8760.0 | 53.3 | 6399570 | 120.7 | 12.1 | 3203.1 |
| | 14166 | Nat Gas | 0.99 | 8760.0 | 8.5 | 1021360 | 19.3 | 1.93 | 511.2 |
| | 14167 | Nat Gas | 0.99 | 8760.0 | 8.5 | 1021360 | 19.3 | 1.93 | 511.2 |
| ECOM Subtotals: | | | | | | 8,442,290 | 159 | 16 | 4,226 |

¹ The Title V Permitted Units include those units that have construction permits with permitted emission limits, those units that do not have permitted emissions listed in their respective permit, emergency permit or source registration are not included.

² Jet engine test cell fuel use rates are based on the fuel flow (Construction permit application for Permit 484-M2-RV3, pg. 61 Table 6-1 Fuel Flow Rate Table) and test patterns (Construction permit application

³ For permitted diesel-fired and natural gas-fired internal combustion engines, potential fuel use is estimated based either on operating hours limits or fuel use limits established in issued air permits. For all hour use estimations, a BSFC of 7,000 BTU/hp-hr was assumed, per AP-42.

Example jet engine test cell calculation: Potential Operating Time (hr) x Operating Mode (%) x Fuel Consumption Factor (lb/hr) ÷ Fuel Density (lb/gal) x Emission Factor (lb/gal) = Emissions (lb)

Example internal combustion engine calculation: Potential Operating time (hr) x BSFC (BTU/hp-hr) x Power of unit (hp) ÷ Heat Content of Fuel (BTU/gal) x Emission Factor (lb/gal) = Emissions (lb)

Example external combustion calculation: Potential Operating Time (hr) x Maximum Heat Input (MMBtu/hr) x Emission Factor (lb/MMBtu) = Emissions (lb)

| Emission Factors | | | | |
|------------------|--------------|-----------------|-----------------|------------------|
| | Heat Content | CO ₂ | CH ₄ | N ₂ O |
| Nat Gas | 1028 | 117 | 0.002 | 0.0002 |
| Diesel | 138000 | 163 | 0.007 | 0.0013 |
| JP-8 | 135000 | 159 | 0.007 | 0.0013 |
| Propane | 91000 | 135 | 0.007 | 0.0013 |
| Gasoline | 125000 | 155 | 0.007 | 0.0013 |

^a Heat content and CO₂ emission factors are from Table D-2 of the Federal Greenhouse Gas Accounting and Reporting Guidance, Technical Support Document, October 2010.

^b CH₄ and N₂O emission factors are from Table D-3 of the Federal Greenhouse Gas Accounting and Reporting Guidance, Technical Support Document, October 2010.

| Global Warming Potential | |
|---|------------|
| Multipliers for the conversion to CO ₂ Equivalent (CO ₂ e) ^c | |
| Pollutant | Multiplier |
| CO ₂ | 1 |
| CH ₄ | 25 |
| N ₂ O | 298 |

^c Global Warming Potentials (GWPs) from Table A-1 of 40 CFR 98 Subpart A. GWPs updated December 11, 2014.

Title V Source Emissions Summary

Kirtland AFB Title V Source Emissions

| Source Category | Permit Limits (tons/year) | | | | | | | Notes |
|---|---------------------------|-------|--------|-------------------------------------|---------|-------|-------|---------------------------------------|
| | CO | NOx | PM | PM ₁₀ /PM _{2.5} | SOx | VOC | HAP | |
| Aircraft Engine Testing - Unit ID #s 20002, 20004 (58 SOW Test Cells - Permit # 484-M3) | 0.84 | 0.68 | 0.09 | 0.09 | 0.07 | 0.51 | 0.03 | All |
| Internal Combustion - Unit ID # 19135 (SOR TAC Lab - Permit # 1759-M2) | 4.57 | 5.28 | 0.012 | 0.012 | 0.068 | | | 19135 |
| (Unit ID #s 19135, 19155, 19156, 19157, 19158) | 0.42 | 0.68 | 0.02 | 0.02 | 0.047 | 0.727 | | 19155 |
| | 0.42 | 0.68 | 0.02 | 0.02 | 0.047 | 0.727 | | 19156 |
| | 0.42 | 0.68 | 0.02 | 0.02 | 0.047 | 0.727 | | 19157 |
| | 0.42 | 0.68 | 0.02 | 0.02 | 0.047 | 0.727 | | 19158 |
| Surface Coating - Unit ID # 21015 (58th SOW Corrosion Control Facility - Permit # 1770-RV3) | | | 0.14 | 0.14 | | 0.95 | 0.12 | 21015 |
| Internal Combustion - Unit ID #s 19170, 19171, 19172, 19173 (Building 402 - Permit # 1777-RV2) | 0.43 | 0.80 | 0.02 | 0.02 | 0.001 | 0.14 | | 19170 Combined NMHC + NOX of 0.80 tpy |
| | 0.43 | 0.80 | 0.02 | 0.02 | 0.001 | 0.14 | | 19171 Combined NMHC + NOX of 0.80 tpy |
| | 0.43 | 0.80 | 0.02 | 0.02 | 0.001 | 0.14 | | 19172 Combined NMHC + NOX of 0.80 tpy |
| | 0.43 | 0.80 | 0.02 | 0.02 | 0.001 | 0.14 | | 19173 Combined NMHC + NOX of 0.80 tpy |
| Internal Combustion - Unit ID #s 19147, 19148, 19153, 19153, 19089, 19133, 19131, 19132, 19134, 19174, 19178, 19181, 19182 (Water Plant - Permit # 1786-M5) | 0.49 | 1.86 | 0.06 | 0.06 | 0.1 | 0.05 | | 19147 |
| | 0.39 | 1.82 | 0.13 | 0.13 | 0.12 | 0.14 | | 19148 |
| | 0.43 | 0.79 | 0.03 | 0.03 | 0.0009 | 0.79 | | 19153 Combined NMHC + NOX of 0.79 tpy |
| | 0.26 | 1.21 | 0.09 | 0.09 | 0.08 | 0.1 | | 19089 |
| | 0.42 | 1.81 | 0.05 | 0.05 | 0.1 | 0.05 | | 19133 |
| | 0.11 | 0.53 | 0.04 | 0.04 | 0.04 | 0.04 | | 19131 |
| | 0.19 | 0.86 | 0.06 | 0.06 | 0.06 | 0.07 | | 19132 |
| | 0.29 | 1.35 | 0.1 | 0.1 | 0.09 | 0.11 | | 19134 |
| | 0.7 | 1.33 | 0.04 | 0.04 | 0.03 | 1.300 | | 19174 Combined NMHC + NOX of 1.33 tpy |
| | 0.7 | 1.33 | 0.04 | 0.04 | 0.03 | 1.300 | | 19178 Combined NMHC + NOX of 1.16 tpy |
| | 0.1 | 0.093 | 0.06 | 0.06 | 0.04 | 0.002 | | 19181 Combined NMHC + NOX of 0.93 tpy |
| | 0.1 | 0.092 | 0.06 | 0.06 | 0.04 | 0.002 | | 19182 Combined NMHC + NOX of 0.92 tpy |
| Internal Combustion - Unit ID # 19151 (Building 1037 - Permit # 1945) | 0.16 | 0.35 | 0.05 | 0.05 | 0.05 | 0.06 | | 19151 |
| Internal Combustion - Unit ID # 19160 (AFRL Building 416 - Permit # 2085) | 0.1 | 0.1 | 0.005 | 0.005 | 0.02 | 0.1 | | 19160 Combined NMHC + NOX of 0.1 tpy |
| Internal Combustion - Unit ID # 19161 (AFRL Building 570 - Permit # 2100) | 0.2 | 0.229 | 0.011 | 0.011 | 0.071 | 0.229 | | 19161 Combined NMHC + NOX of 0.1 tpy |
| Internal Combustion - Unit ID # 19159 (AFRL Building 277 - Permit # 2105-M1) | 0.43 | 0.7 | 0.01 | 0.01 | 0.002 | 0.05 | | 19159 |
| Internal Combustion - Unit ID # 19163 (AFSPC Radome - Permit # 2147) | 0.23 | 0.26 | 0.01 | 0.01 | 0.08 | 0.26 | | 19163 Combined NMHC + NOX of 0.26 tpy |
| Internal Combustion - Unit ID # 19164 (AFRL/RV ISOON Telescope - Permit # 3013-RV1) | 0.14 | 0.17 | 0.0083 | 0.0083 | 0.051 | 0.17 | | 19164 Combined NMHC + NOX of 0.17 tpy |
| Internal Combustion - Unit ID #s 19091, 19093, 19102 (US Customs and Border Patrol Bldg 291/320 - Permit # 3016-RV2) | 0.413 | 1.8 | 0.053 | 0.053 | 0.00091 | 0.053 | | 19091 |
| | 0.363 | 1.584 | 0.124 | 0.124 | 0.0008 | 0.047 | | 19093 |
| | 0.363 | 1.584 | 0.124 | 0.124 | 0.0008 | 0.047 | | 19102 |
| Internal Combustion (Fire Department - Permit # 3031-M1) | 0.068 | 0.316 | 0.022 | 0.022 | 0.021 | 0.025 | | 19015 |
| | 0.034 | 0.158 | 0.011 | 0.011 | 0.011 | 0.013 | | 19016 |
| | 0.068 | 0.316 | 0.022 | 0.022 | 0.021 | 0.025 | | 19019 |
| | 0.227 | 1.054 | 0.075 | 0.075 | 0.07 | 0.084 | | 19069 |
| | 0.227 | 1.054 | 0.075 | 0.075 | 0.07 | 0.084 | | 19070 |
| | 0.227 | 1.054 | 0.075 | 0.075 | 0.07 | 0.084 | | 19071 |
| | 0.227 | 1.054 | 0.075 | 0.075 | 0.07 | 0.084 | | 19072 |
| | 0.227 | 1.054 | 0.075 | 0.075 | 0.07 | 0.084 | | 19073 |
| | 0.227 | 1.054 | 0.075 | 0.075 | 0.07 | 0.084 | | 19074 |
| | 0.227 | 1.054 | 0.075 | 0.075 | 0.07 | 0.084 | | 19075 |
| | 0.227 | 1.054 | 0.075 | 0.075 | 0.07 | 0.084 | | 19076 |
| | 0.138 | 0.642 | 0.046 | 0.046 | 0.042 | 0.051 | | 19129 |
| | 2.223 | 2.846 | 0.104 | 0.104 | 0.001 | 0.262 | | 19130 |
| Internal Combustion (Power Production - Permit # 3032-M1-2AR) | 0.09 | 0.419 | 0.03 | 0.03 | 0.028 | 0.033 | | 19003 |
| | 0.068 | 0.316 | 0.022 | 0.022 | 0.021 | 0.025 | | 19006 |
| | 0.311 | 1.442 | 0.102 | 0.102 | 0.095 | 0.115 | | 19032 |
| | 0.413 | 1.761 | 0.125 | 0.125 | 0.198 | 0.14 | | 19096 |
| | 0.12 | 0.515 | 0.037 | 0.037 | 0.034 | 0.041 | | 19106 |
| | 0.068 | 0.316 | 0.022 | 0.022 | 0.021 | 0.025 | | 19142 |
| | 0.033 | 0.155 | 0.011 | 0.011 | 0.01 | 0.012 | | 19143 |
| | 0.044 | 0.203 | 0.014 | 0.014 | 0.013 | 0.016 | | 19154 |
| | 0.017 | 0.078 | 0.006 | 0.006 | 0.005 | 0.006 | | 19168 |
| | 0.43 | 0.72 | 0.025 | 0.025 | 0.001 | 0.010 | | 19176 Combined NMHC + NOX of 0.72 tpy |
| | 0.43 | 0.72 | 0.025 | 0.025 | 0.001 | 0.010 | | 19177 Combined NMHC + NOX of 0.72 tpy |
| External Combustion - Unit ID #s 14166 and 14167 (West Side Steam Boiler - Source Registration # 3047) | 0.36 | 0.21 | 0.033 | 0.033 | 0.0026 | 0.024 | 0.048 | 14166 |
| | 0.36 | 0.21 | 0.033 | 0.033 | 0.0026 | 0.024 | 0.048 | 14167 |
| Landfill Mulcher - Unit ID #s 18001 and 18002 (C&D Debris Landfill Mulcher - Permit # 3048-2TR) | 0.71 | 3.29 | 0.23 | 0.23 | 0.22 | 0.26 | | 18001 |
| | | | 0.3 | 0.3 | | | | 18002 |
| Miscellaneous Chemicals - Unit ID # 31999 (Basewide Misc Chem - Permit # 3070-M1-1TR) | | | 1.03 | 1.03 | | 78.03 | 2.93 | 31999 Exempt from PSD |
| Fuel Dispensing - Unit ID #s 15001, 15004, and 15011 (Government Fuels Distribution - Permit # 3090-RV1) | | | | | | 4.04 | | 15001 |
| | | | | | | 0.82 | | 15004 |
| | | | | | | 2.98 | | 15011 |
| Fuel Loading - Unit ID # 16001 (Government Fuels Distribution - Permit # 3090-RV1) | | | | | | 0.26 | | 16001 |

Kirtland AFB Title V Source Emissions

| Source Category | Permit Limits (tons/year) | | | | | | | Notes |
|---|---------------------------|-------------|------------|-------------------------------------|------------|------------------------------------|------------|---|
| | CO | NOx | PM | PM ₁₀ /PM _{2.5} | SOx | VOC | HAP | |
| Storage Tanks - Unit ID #s 22003, 22004, 22005, 22015, and 25012 (Government Fuels Distribution - Permit # 3090-RV1) | | | | | | 3.78 2.9 2.31 5.7 0.58 | | 22003 22004 22005 22015 25012 |
| Fuel Dispensing - Unit ID # 15008 (898 MUNS - Permit # 3101-RV1) | | | | | | 0.117 | | 15008 |
| Storage Tanks - Unit ID # 25017 (898 MUNS - Permit # 3101-RV1) | | | | | | 0.083 | | 25017 |
| External Combustion - Unit ID # 14014 (898 MUNS - Permit # 3101-RV1) | 2.25 | 2.68 | 0.2 | 0.2 | 0.02 | 0.68 | | 14014 |
| Internal Combustion - Unit ID # 19140 (Airfield Operations - Source Registration # 3102) | 0.068 | 0.31 | 0.022 | 0.022 | 0.021 | 0.025 | | 19140 |
| External Combustion - Unit ID #s 14168 and 14169 (Airfield Operations - Permit # 3102) | 1.26 | 1.5 | 0.11 | 0.11 | 0.009 | 0.082 | 0.028 | 14168 14169 |
| Internal Combustion - Unit ID # 19169 (Sustainment Facility Emergency Generator - Permit # 3141-RV1) | 0.85 | 1.58 | 0.05 | 0.05 | 0.04 | 1.58 | | 19169 Combined NMHC + NOX of 1.58 tpy |
| Surface Coating - Unit Id # 21004 (58th SOW Bldg. 482 Paint Booth - Permit # 3128) | | | 0.032 | 0.032 | | 0.67 | 0.144 | 21004 |
| Internal Combustion - Unit Id # 19031 (58th SOW Generator at Bldg. 1017 - Permit # 3129) | 0.3 | 1.26 | 0.078 | 0.078 | 0.073 | 0.088 | | 19031 |
| Remediation - Unit ID # 12009 (Bulk Fuels Facility - Registration Certificate # 3329) | | | | | | 0.15 | 0.004 | 12009 |
| Internal Combustion - Unit ID # 19179 (KAFB DISA Antenna Tower - Permit # 3308) | 0.06 | 0.06 | 0.0004 | 0.0004 | 0.02 | 0.06 | | 19179 |
| Internal Combustion - Unit ID #19186 (898th Munitions - Permit # 3470) | 0.43 | 0.76 | 0.02 | 0.02 | 0.61 | 0.04 | | 19186 |
| Internal Combustion - Unit ID #19188 (Fire Station No. 3 - Permit # 3492) | 0.46 | 0.51 | 0.027 | 0.027 | 0.17 | 0.027 | | 19188 |
| Internal Combustion - Unit ID #19190 (Base Defense Operations Center - Permit # 3501) | 0.066 | 0.059 | 0.005 | 0.005 | 0.00005 | 0.003 | | 19190 |
| Total | 30.2 | 65.0 | 5.1 | 5.1 | 3.6 | 116.8 | 3.4 | |

Attachment D

Table D-1: Construction/Authority-to-Construct Permit and Source Registration List

Table D-1. Construction Permit List

| Regulatory Citation | Tracking/Permit Number | Permit Title | Permit Process Equipment Number | Kirtland AFB Unit ID |
|-----------------------------------|-------------------------------|--|--|-----------------------------|
| 20.11.41 NMAC Construction Permit | 484-M3 | 58 SOW Test Cells | T400 | 20004 |
| | | | T700 | 20002 |
| 20.11.41 NMAC Construction Permit | 1759-M2 | AFRL SOR Facility | 1 | 19135 |
| | | | 2 | 19155 |
| | | | 3 | 19156 |
| | | | 4 | 19157 |
| | | | 5 | 19158 |
| 20.11.41 NMAC Construction Permit | 1770-RV3 | 58 SOW Corrosion Control Facility | 1 | 21015 |
| 20.11.41 NMAC Construction Permit | 1777-RV2 | Four 755 HP Back-Up Generators at Space Missile Command | 1 | 19170 |
| | | | 2 | 19171 |
| | | | 3 | 19172 |
| | | | 4 | 19173 |
| 20.11.41 NMAC Construction Permit | 1786-M5 | Kirtland AFB Water Plant | 1 | 19147 |
| | | | 2 | 19148 |
| | | | 4 | 19174 |
| | | | 6 | 19178 |
| | | | 7 | 19153 |
| | | | 8 | 19089 |
| | | | 9 | 19133 |
| | | | 10 | 19131 |
| | | | 11 | 19132 |
| | | | 12 | 19134 |
| | | | 13 | 19181 |
| 14 | 19182 | | | |
| 20.11.41 NMAC Construction Permit | 1945 | Emergency Generator Bldg. 1037 | 1 | 19151 |
| 20.11.41 NMAC Construction Permit | 2085 | AFRL/RDLAS Bldg. 416 Emergency Generator | 1 | 19160 |
| 20.11.41 NMAC Construction Permit | 2100 | Battlespace Environment Laboratory (BEL) Emergency Generator | 1 | 19161 |
| 20.11.41 NMAC Construction Permit | 2105-M1 | AFRL Bldg. 277 Diesel Generator | 1 | 19159 |
| 20.11.41 NMAC Construction Permit | 2147 | AFSPC RADOME Emergency Generator | 1 | 19163 |
| 20.11.41 NMAC Construction Permit | 3013-RV1 | AFRL/RV ISOON Telescope Facility | 1 | 19164 |

Table D-1. Construction Permit List (Continued)

| Regulatory Citation | Tracking/Permit Number | Permit Title | Permit Process Equipment Number | Kirtland AFB Unit ID |
|-----------------------------------|------------------------|---|---------------------------------|----------------------|
| 20.11.41 NMAC Construction Permit | 3016-RV2 | U.S. Customs and Border Protection Facility | 1 | 19091 |
| | | | 2 | 19093 |
| | | | 3 | 19102 |
| 20.11.41 NMAC Construction Permit | 3031-M1 | Fire Department | 1 | 19015 |
| | | | 2 | 19016 |
| | | | 3 | 19019 |
| | | | 4 | 19069 |
| | | | 5 | 19070 |
| | | | 6 | 19071 |
| | | | 7 | 19019 |
| | | | 8 | 19072 |
| | | | 9 | 19074 |
| | | | 10 | 19075 |
| | | | 11 | 19076 |
| | | | 12 | 19129 |
| | | | 13 | 19130 |
| 20.11.41 NMAC Construction Permit | 3032-M1-2AR | Power Production Emergency Power Generators | 1 | 19003 |
| | | | 3 | 19006 |
| | | | 5 | 19032 |
| | | | 8 | 19096 |
| | | | 9 | 19106 |
| | | | 12 | 19142 |
| | | | 13 | 19143 |
| | | | 16 | 19154 |
| | | | 17 | 19168 |
| 18 | 19176 | | | |
| 19 | 19177 | | | |
| 20.11.40 NMAC Source Registration | 3047 | Steam Boiler, West Side | 1 | 14166 |
| | | | 2 | 14167 |
| 20.11.41 NMAC Construction Permit | 3048-2TR | Construction and Demolition Debris Landfill | 1 | 18001 |
| | | | 2 | 18002 |
| 20.11.41 NMAC Construction Permit | 3070-M1-1TR | Basewide Miscellaneous Paint and Chemical Usage | 1 | 31999 |
| 20.11.41 NMAC Construction Permit | 3090-RV1 | Government Fuels Distribution Operations | 1 | 15001 |
| | | | 2 | 15004 |
| | | | 3 | 15011 |
| | | | 4 | 16001 |
| | | | 5 | 22003 |
| | | | 6 | 22004 |
| | | | 8 | 22005 ^a |
| | | | 9 | 22015 |
| | | | 10 | 25012 |

Table D-1. Construction Permit List (Continued)

| Regulatory Citation | Tracking/Permit Number | Permit Title | Permit Process Equipment Number | Kirtland AFB Unit ID |
|------------------------------------|-------------------------------|--|--|-----------------------------|
| 20.11.41 NMAC Construction Permit | 3101-RV1 | 898 th Munition Squadron | 1 | 25017 |
| | | | 2 | 14014 |
| | | | 3 | 15008 |
| 20.11.40 NMAC Source Registration | 3102 | Airfield Operations | 1 | 14168 |
| | | | 2 | 14169 |
| | | | 3 | 19140 |
| 20.11.41 NMAC Construction Permit | 3128 | 58 th SOW Bldg. 482 Paint Booth | 1 | 21004 |
| 20.11.41 NMAC Construction Permit | 3129 | 58 th SOW Generator at Bldg. 1017 | 1 | 19031 |
| 20.11.41 NMAC Construction Permit | 3141-RV1 | Sustainment Facility Emergency Generator | 1 | 19169 |
| 20.11.40 NMAC Source Registration | 3329 | ST-070E SVE System | 1 | 12009 |
| 20.11.41 NMAC Construction Permit | 3308 | DISA Antenna Tower | 1 | 19179 |
| 20.11.41 NMAC Construction Permit | 3470 | 898 th Munitions Squadron | 1 | 19186 |
| 20.11.41. NMAC Construction Permit | 3492 | Fire Station 3 | 1 | 19188 |
| 20.11.41 NMAC Construction Permit | 3501 | Base Defense Operations Center | 1 | 19190 |

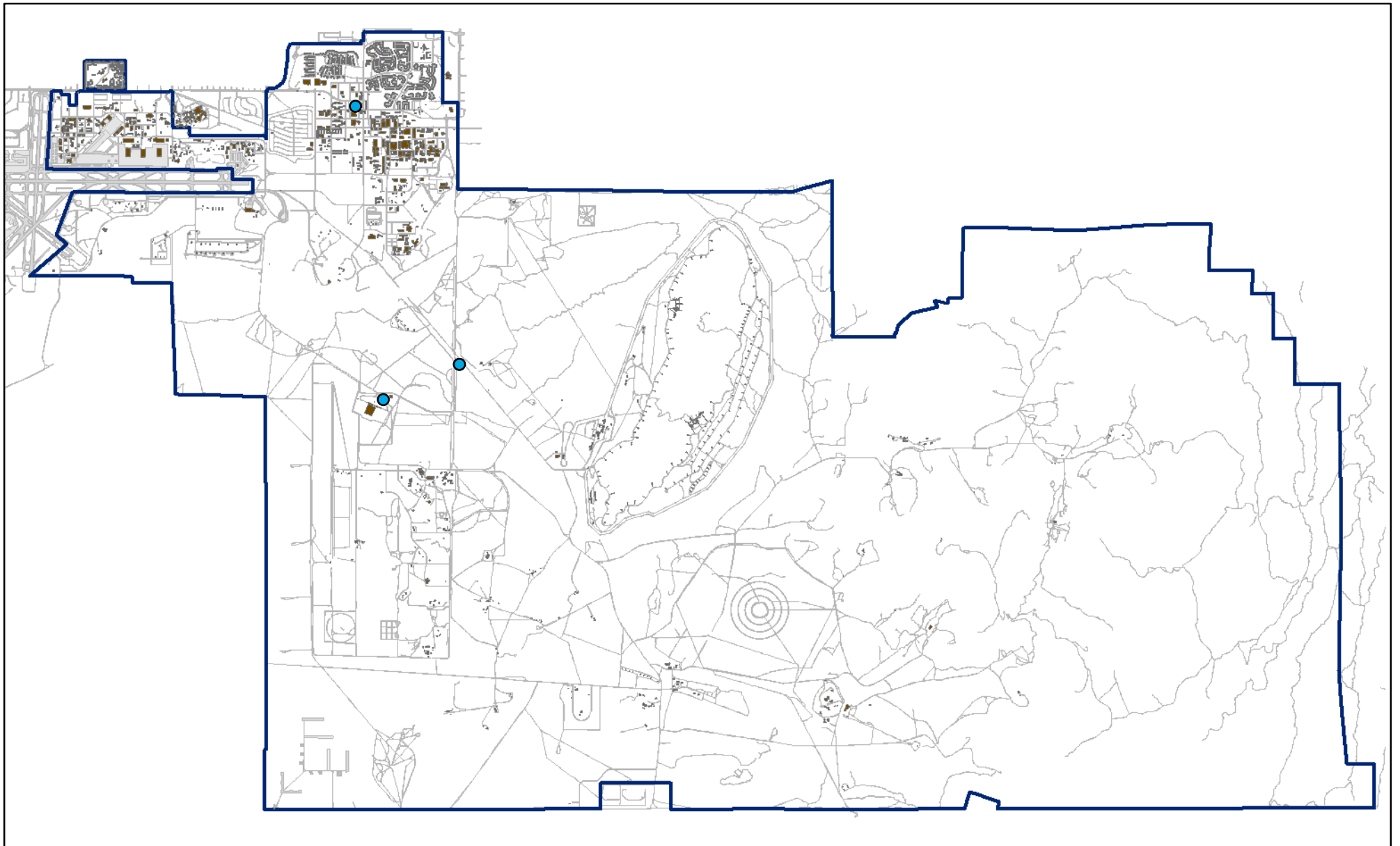
^a Substitution of equipment for emission unit 22005 occurred in November 2018. A 5,000-gallon tank was substituted for the permitted 10,000-gallon tank.


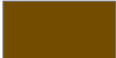
Attachment E

Site Map

Kirtland AFB - New Title V Emission Unit List

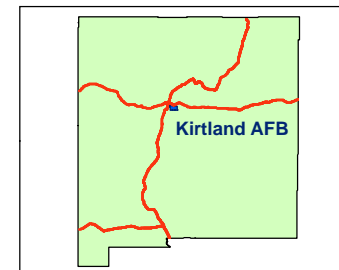
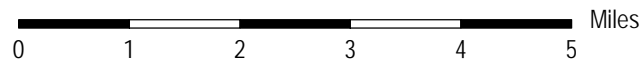
| Feature Description | Kirtland Unit ID | Permit Number | WGS 1984 UTM Zone 13S | | UTM coordinates | |
|---|------------------|---------------|-----------------------|-------------|-----------------|--------------|
| | | | Latitude | Longitude | Easting m E | Northing m N |
| ICOM - 19186 - Emergency Generator B27497 - Diesel - 755 hp | 19186 | 3470 | 35.010517 | -106.546428 | 358898 | 3875302 |
| ICOM - 19188 - Emergency Generator B28100 - Diesel - 324 hp | 19188 | 3492 | 35.015867 | -106.532485 | 360186 | 3875889 |
| ICOM - 19190 - Emergency Generator B20202 - Diesel - 93 hp | 19190 | 3501 | 35.056351 | -106.551733 | 358493 | 3880393 |



-  Air Emission Sources
-  Buildings

Kirtland AFB

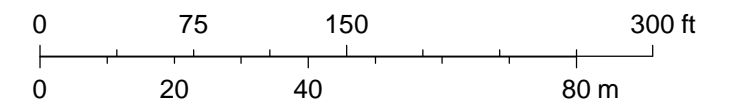
Generator Location Map



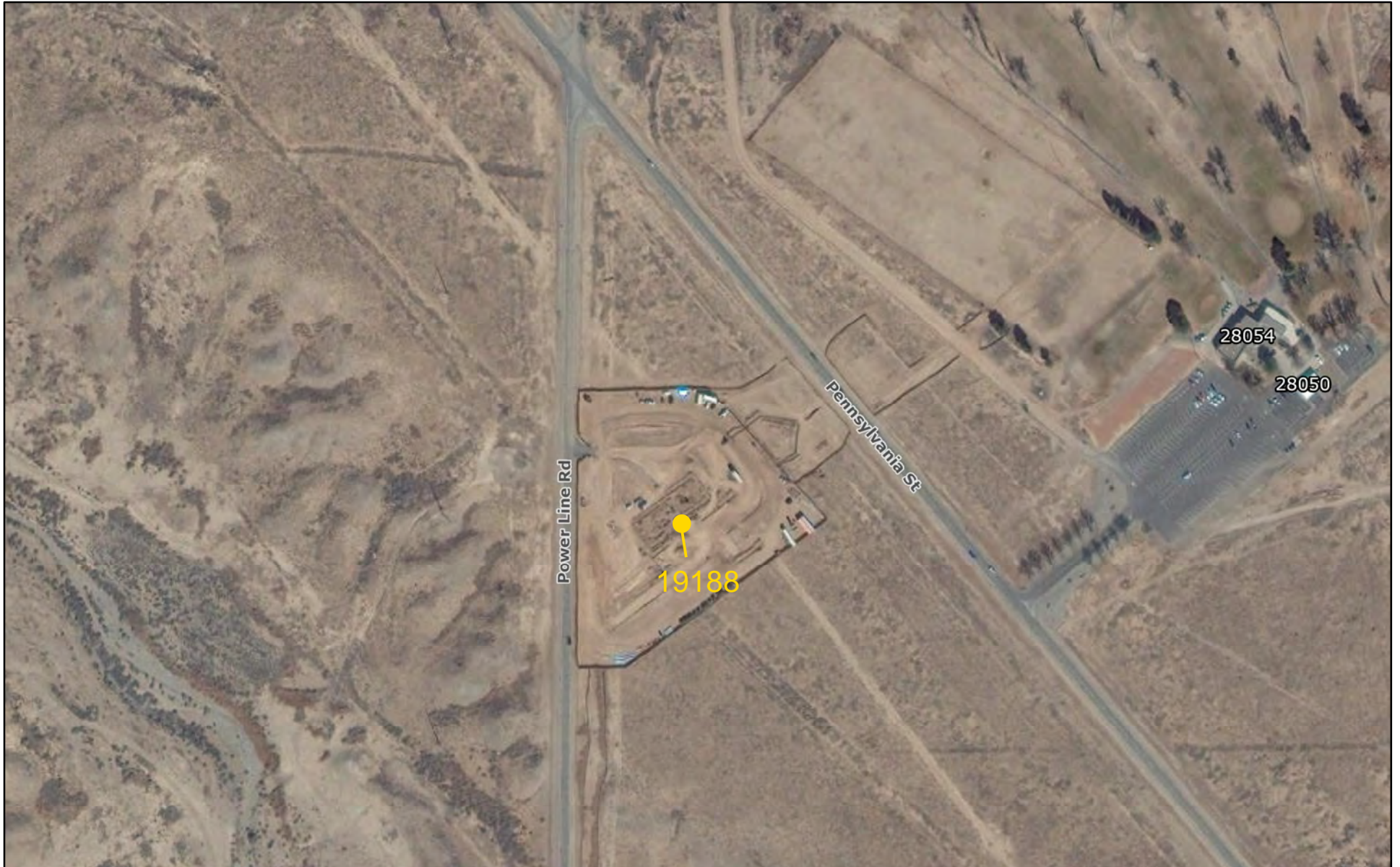
Unit 19186 Location



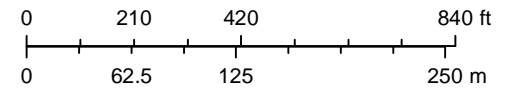
● Emission Source



Unit 19188 Location



● Emission Source



Unit 19190 Location



● Emission Source

