



Kirtland Air Force Base

20.11.41 NMAC Construction Permit Application
Emergency Generator
Base Defense Operations Center (BDOC)
Bldg 20202
(Unit ID 19190)

377 MSG/CE Environmental
Kirtland AFB, New Mexico

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1. GENERAL INFORMATION

1.1 Executive Summary

This application is being submitted as a pursuant of Construction Permit for Kirtland Air Force Base's building #20202. This facility is located at 8500 Gibson Blvd SE, Kirtland AFB, Albuquerque, NM 87117.

In accordance with 20.11.41.13.E NMAC, this application submittal includes all the requirements set forth by the department including:

- (1) Application form
- (2) Owner and Operator's Name and Mailing Address
- (3) Application date
- (4) Sufficient attachments: Calculations, potential Emission rate, Nature of All Regulated Contaminants, Actual Emissions
- (5) Operational and Maintenance Strategy
- (6) Facility Map
- (7) Aerial Photograph of proposed location
- (8) Complete description of all Sources of Regulated Air Contaminants and Process Flow Diagram
- (9) Full description of Air Pollutant Control Equipment
- (10) Description of Equipment or Method used for emission measurements
- (11) Maximum and Normal Operating Time Schedules of the Sources
- (12) Other Relevant Information
- (13) Applicant Signature
- (14) Accompanied by a Registration Fee
- (15) Proof of Public Notice Requirements

Equipment to be authorized at this facility after issuance of Construction Permit is detailed below:

- One (1) diesel-fired 60kW (93 BHP) Generac F4GE9455A*J generator (Unit GEN-1)

The uncontrolled emissions are based on 8760 hours per year and requested emissions are based on 200 hours per year. These emissions are included in the department's application forms.

2. DESCRIPTION OF THE FACILITY AND EMISSIONS INFORMATION

The following section summarizes the source of emissions, process description, methodology, and emission factors used to estimate air pollutant emissions for the facility.

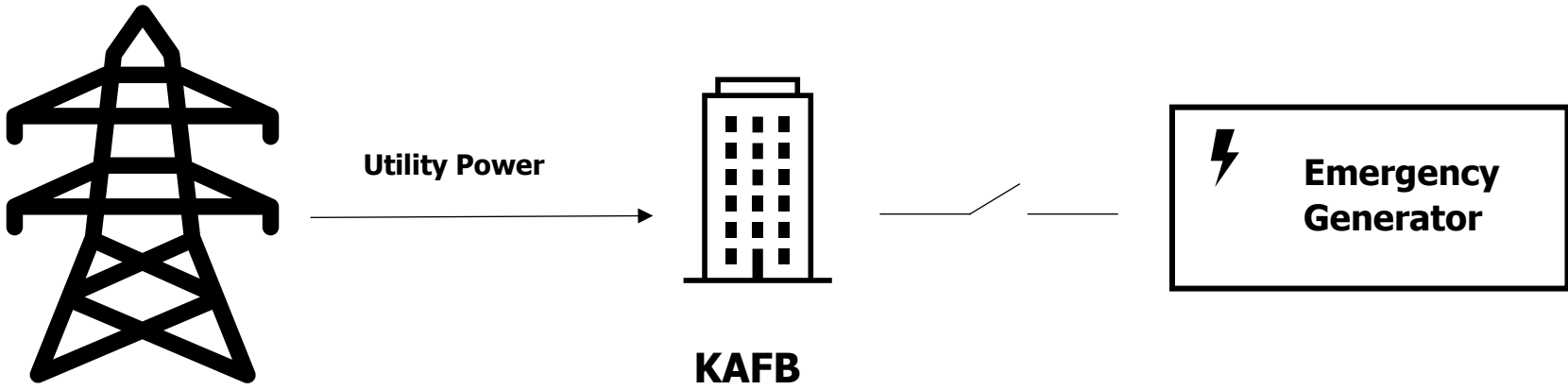
2.1 Description of the Facility

The backup generator's main function is to provide backup power to support operations in the event that primary power is interrupted. There are comparatively minor actual emissions from the infrequent and intermittent emergency backup operations inherent to operations at this facility.

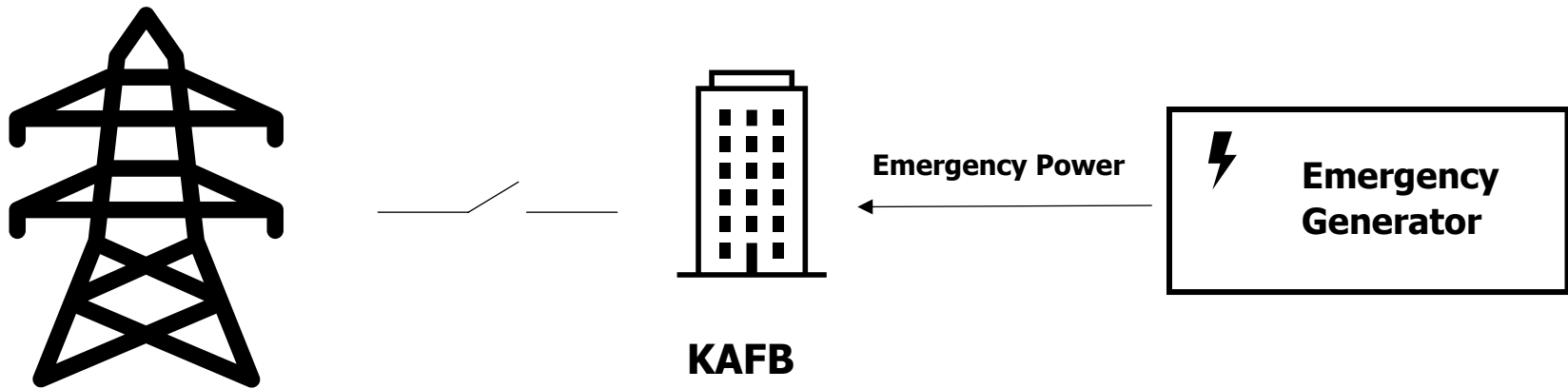
40 CFR 60 Subpart IIII is applicable to Stationary Compression Ignition Internal Combustion Engines constructed after July 11, 2005. Thus, this emergency generator will be subject to this regulation and will comply with regulation. Additionally, the unit is subject to 40 CFR 63 Subpart ZZZZ [National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines. The unit will comply with the requirements for RICE at existing area sources.

2.2 Process Flow Diagram

There is no specific process for this facility as the only source at this facility is the generator which provides power in the event of a PNM outage. The simplified process flow diagram represents the normal operating and loss of utility power conditions.



Normal Operating Conditions



Loss of Utility Power

2.3 Air Pollution Emissions and Methodology

2.3.1 Emergency Diesel-Fired Generator (Unit ID GEN-1)

Emissions from the generator are a result of the combustion of diesel fuel. NO_x + NMHC, CO, and PM combustion emissions are calculated based on manufacturing specification. To separate NO_x from NO_x + NMHC emission factor, NO_x is assumed to be 95% based on California Environmental Protection Agency (CARB Revised date: Dec 18, 2011). SO₂ emissions for the generator are based on emission factor from AP 42 Table 3.3-1 (generator rating hp <600 hp) and an additional assumption of 100% conversion of Sulfur into SO₂.

To calculate lb/hr emissions for NO_x, CO, HC, and PM, the emission factor (g/bhp-hr) was multiplied by the engine's standby rating and grams were converted to pounds. SO₂ emission factor is based on AP 42 Table 3.3-1, which is multiplied by heat input (MMBtu/hr) to estimate the SO₂ emissions.

For HAP emissions, the heat value of 137,000 Btu/gal (from AP-42 Appendix A) and the manufacturer-provided fuel usage of 5.04 gal/hr were used to calculate a maximum heat rate (MMBtu/hr) for the unit. This was then multiplied by the lb/MMBtu HAP emission factor from AP- 42 Table 3.3-2 to calculate all HAP lb/hr emissions. To calculate the uncontrolled emission rate in tons per year, the lb/hr rate was multiplied by 8760 hr/yr and converted to tons (1 ton = 2,000 lb). The controlled emission rate in ton per year, the lb/hr rate was multiplied by the assumption of 200 hours per year.

2.4 Emission Calculations

Emergency Engine Emissions

Emission Unit: GEN-1
 Source Description: Emergency Generator
 Manufacturer: Generac
 Model: F4GE9455A*3
 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																		
	NO _x ⁵	CO ¹	NMHC ⁵	SO ₂ 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
Emission Factors	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		0.05	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		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		0.05	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		0.00	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 SO₂ 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)

2.4 Supporting Information

List of attached supporting documents:

- AP-42 Table 3.3-1, 3.3-2: Gasoline and Diesel Industrial Engines
- Manufacturer Specification for Generac F4GE9455A*J generator.
- AP-42 Appendix A: Miscellaneous Data and Conversion Factors.
- CEPA Appendix D: Table D-25: Pollutant Fractions (revised date: Dec 18, 2011).

Table 3.3-1. EMISSION FACTORS FOR UNCONTROLLED GASOLINE AND DIESEL INDUSTRIAL ENGINES^a

Pollutant	Gasoline Fuel (SCC 2-02-003-01, 2-03-003-01)		Diesel Fuel (SCC 2-02-001-02, 2-03-001-01)		EMISSION FACTOR RATING
	Emission Factor (lb/hp-hr) (power output)	Emission Factor (lb/MMBtu) (fuel input)	Emission Factor (lb/hp-hr) (power output)	Emission Factor (lb/MMBtu) (fuel input)	
NO _x	0.011	1.63	0.031	4.41	D
CO	6.96 E-03 ^d	0.99 ^d	6.68 E-03	0.95	D
SO _x	5.91 E-04	0.084	2.05 E-03	0.29	D
PM-10 ^b	7.21 E-04	0.10	2.20 E-03	0.31	D
CO ₂ ^c	1.08	154	1.15	164	B
Aldehydes	4.85 E-04	0.07	4.63 E-04	0.07	D
TOC					
Exhaust	0.015	2.10	2.47 E-03	0.35	D
Evaporative	6.61 E-04	0.09	0.00	0.00	E
Crankcase	4.85 E-03	0.69	4.41 E-05	0.01	E
Refueling	1.08 E-03	0.15	0.00	0.00	E

^a References 2,5-6,9-14. When necessary, an average brake-specific fuel consumption (BSFC) of 7,000 Btu/hp-hr was used to convert from lb/MMBtu to lb/hp-hr. To convert from lb/hp-hr to kg/kw-hr, multiply by 0.608. To convert from lb/MMBtu to ng/J, multiply by 430. SCC = Source Classification Code. TOC = total organic compounds.


^b PM-10 = particulate matter less than or equal to 10 μm aerodynamic diameter. All particulate is assumed to be ≤ 1 μm in size.

^c Assumes 99% conversion of carbon in fuel to CO₂ with 87 weight % carbon in diesel, 86 weight % carbon in gasoline, average BSFC of 7,000 Btu/hp-hr, diesel heating value of 19,300 Btu/lb, and gasoline heating value of 20,300 Btu/lb.

^d Instead of 0.439 lb/hp-hr (power output) and 62.7 lb/mmBtu (fuel input), the correct emissions factors values are 6.96 E-03 lb/hp-hr (power output) and 0.99 lb/mmBtu (fuel input), respectively. This is an editorial correction. March 24, 2009

Table 3.3-2. SPECIATED ORGANIC COMPOUND EMISSION FACTORS FOR UNCONTROLLED DIESEL ENGINES^a

EMISSION FACTOR RATING: E

Pollutant	Emission Factor (Fuel Input) (lb/MMBtu)
Benzene ^b	9.33 E-04
Toluene ^b	4.09 E-04
Xylenes ^b	2.85 E-04
Propylene 	2.58 E-03
1,3-Butadiene ^{b,c}	<3.91 E-05
Formaldehyde ^b	1.18 E-03
Acetaldehyde ^b	7.67 E-04
Acrolein ^b	<9.25 E-05
Polycyclic aromatic hydrocarbons (PAH)	
Naphthalene ^b	8.48 E-05
Acenaphthylene	<5.06 E-06
Acenaphthene	<1.42 E-06
Fluorene	2.92 E-05
Phenanthrene	2.94 E-05
Anthracene	1.87 E-06
Fluoranthene	7.61 E-06
Pyrene	4.78 E-06
Benzo(a)anthracene	1.68 E-06
Chrysene	3.53 E-07
Benzo(b)fluoranthene	<9.91 E-08
Benzo(k)fluoranthene	<1.55 E-07
Benzo(a)pyrene	<1.88 E-07
Indeno(1,2,3-cd)pyrene	<3.75 E-07
Dibenz(a,h)anthracene	<5.83 E-07
Benzo(g,h,l)perylene	<4.89 E-07
TOTAL PAH	1.68 E-04

^a Based on the uncontrolled levels of 2 diesel engines from References 6-7. Source Classification Codes 2-02-001-02, 2-03-001-01. To convert from lb/MMBtu to ng/J, multiply by 430.

^b Hazardous air pollutant listed in the *Clean Air Act*.

^c Based on data from 1 engine.

SD060 | 4.5L | 60 kW INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

Standby Power Rating

60 kW, 75 kVA, 60 Hz

Prime Power Rating*

54 kW, 68 kVA, 60 Hz



*Assembled in the USA using domestic and foreign parts

*EPA Certified Prime ratings are not available in the US or its Territories

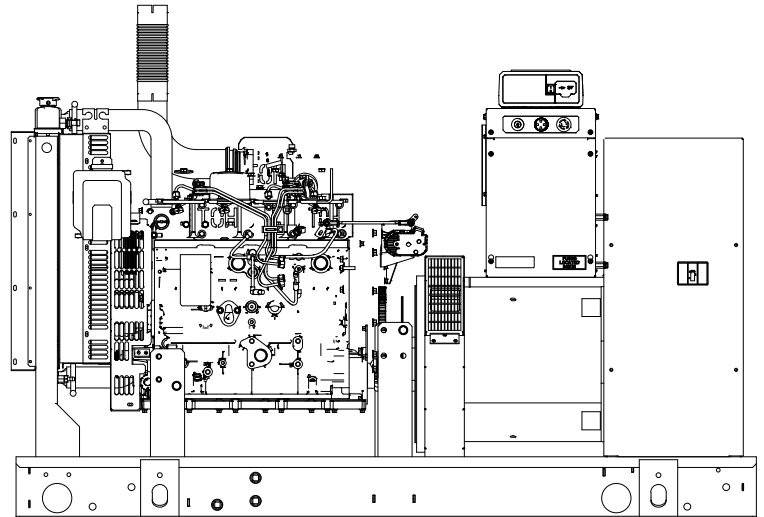


Image used for illustration purposes only

Codes and Standards

Not all codes and standards apply to all configurations. Contact factory for details.



UL2200, UL6200, UL1236, UL489, UL142



CSA C22.2, ULC S601



BS5514 and DIN 6271



SAE J1349



NFPA 37, 70, 99, 110



NEC700, 701, 702, 708



ISO 3046, 7637, 8528, 9001



NEMA ICS10, MG1, 250, ICS6, AB1



ANSI C62.41

Powering Ahead

For over 60 years, Generac has provided innovative design and superior manufacturing.

Generac ensures superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software.

Generac gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application.

Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial applications under adverse conditions.

Generac is committed to ensuring our customers' service support continues after their generator purchase.

STANDARD FEATURES

ENGINE SYSTEM

- Engine Block Heater
- Oil Drain Extension
- Air Cleaner
- Level 1 Fan and Belt Guards (Open Set Only)
- Stainless Steel Flexible Exhaust Connection
- Factory Filled Oil and Coolant
- Radiator Duct Adapter (Open Set Only)

Fuel System

- Fuel Lockoff Solenoid
- Primary Fuel Filter

Cooling System

- Closed Coolant Recovery System
- UV/Ozone Resistant Hoses
- Factory-Installed Radiator
- Radiator Drain Extension

Electrical System

- Battery Charging Alternator
- Battery Cables
- Battery Tray
- Rubber-Booted Engine Electrical Connections
- Solenoid Activated Starter Motor

ALTERNATOR SYSTEM

- UL2200 GENprotect™
- 12 Leads (3-Phase, Non 600V)
- Class H Insulation Material
- 2/3 Pitch
- Skewed Stator
- Auxiliary Voltage Regulator Power Winding
- Brushless Excitation
- Sealed Bearing
- Rotor Dynamically Spin Balanced
- Amortisseur Winding
- Full Load Capacity Alternator
- Protective Thermal Switch

GENERATOR SET

- Internal Genset Vibration Isolation
- Separation of Circuits - High/Low Voltage
- Separation of Circuits - Multiple Breakers
- Wrapped Exhaust Piping
- Standard Factory Testing
- 2 Year Limited Warranty (Standby Rated Units)
- 1 Year Limited Warranty (Prime Rated Units)

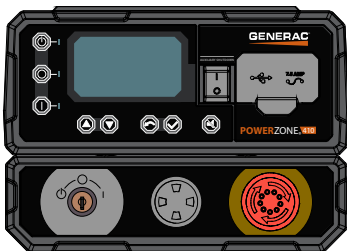
ENCLOSURE (If Selected)

- Rust-Proof Fasteners with Nylon Washers to Protect Finish
- High Performance Sound-Absorbing Material (Sound Attenuated Enclosures)
- Gasketed Doors
- Upward Facing Discharge Hoods (Radiator and Exhaust)
- Stainless Steel Lift Off Door Hinges
- Stainless Steel Lockable Handles
- RhinoCoat™ - Textured Polyester Powder Coat Paint

FUEL TANKS (If Selected)

- UL 142/ULC S601
- Double Wall Construction
- Normal and Emergency Vents
- Sloped Top
- Sloped Bottom
- Factory Pressure Tested - 2 psi
- Rupture Basin Alarm
- Fuel Level
- Check Valve in Supply and Return Lines
- RhinoCoat™ - Textured Polyester Powder Coat Paint
- Stainless Steel Hardware

CONTROL SYSTEM



Power Zone® 410 Controller

Features

- Programmable Auto Crank
- Selectable Low Speed Exercise
- RS-232 x2
- RS-485 x2
- All-Phase Sensing Digital Voltage Regulator

- Time
- Date
- On/Off/Manual Switch
- Not in Auto Flashing Light
- Emergency Stop
- Modbus® RTU
- Remote Ports
- CANbus
- Full Range Standby Operation
- 3-Phase AC Volts
- 3-Phase Amps
- kW
- Power Factor
- Ruptured Tank Detection
- Auxiliary Shutdown Switch
- Remote Communications
- Compatible with NFPA 110, Level 1 or 2 (When Optional Modules Selected)
- Line Power/Gen Power
- I²T Function for Full Generator Protection

Full System Status Display

- Multilingual 128x64 Graphical Display with Heater
- Easy Status View LED Screen
- Full System Status
- Run Hours
- Service Reminders
- Fault History (Alarm Log)
- Oil Pressure
- Oil Temperature Indication and Alarm
- Oil Level (Optional/When Equipped)
- Output for Fuel Level High/Low Warning
- Water Temperature
- Water Level
- Fuel Pressure/Level
- Engine Speed
- Battery Voltage
- Alternator Frequency

Alarms and Warnings

- Common Alarm Output

CONFIGURABLE OPTIONS

ENGINE SYSTEM

- Oil Heater
- Industrial Silencer
- Level 1 Fan and Belt Guards (Enclosed Units Only)
- Critical Grade Silencer (Open Set Only)
- Air Filter Restriction Indication
- Radiator Stone Guard (Open Set Only)

FUEL SYSTEM

- NPT Flexible Fuel Line

ELECTRICAL SYSTEM

- 10A UL Listed Battery Charger
- Battery Warmer

ALTERNATOR SYSTEM

- Alternator Upsizing
- Anti-Condensation Heater
- Tropical Coating
- Permanent Magnet Excitation

GENERATOR SET

- 8 Position Load Center
- Extended Factory Testing (3-Phase Only)

CIRCUIT BREAKER OPTIONS

- Main Line Circuit Breaker
- 2nd Main Line Circuit Breaker
- Shunt Trip and Auxiliary Contact
- Electronic Trip Breakers

ENCLOSURE

- Weather Protected Enclosure
- Level 1 Sound Attenuated
- Level 2 Sound Attenuated
- Level 2 Sound Attenuated with Motorized Dampers
- Steel Enclosure
- Aluminum Enclosure
- Up to 200 MPH Wind Load Rating (Contact Factory for Availability)
- AC/DC Enclosure Lighting Kit
- Door Open Alarm Horn
- Pad Vibration Isolation
- ~~Enclosure Heater (with Motorized Dampers Only)~~
- ~~IBC Seismic Certification~~

WARRANTY (Standby Gensets Only)

- 2 Year Extended Limited Warranty
- 5 Year Limited Warranty
- 5 Year Extended Limited Warranty
- 7 Year Extended Limited Warranty
- 10 Year Extended Limited Warranty

CONTROL SYSTEM

- NFPA 110 Compliant 21-Light Remote Annunciator
- Remote Relay Assembly (8 or 16)
- Remote E-Stop (Break Glass-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Flush Mount)
- E-Stop Terminal
- 10A Engine Run Relay
- Ground Fault Annunciator
- Damper Alarm Contacts (with Motorized Dampers Only)
- 120V GCFI and 240V Outlets
- 100 dB Alarm Horn

FUEL TANKS (Size On Last Page)

- 8 in (203.2 mm) Fill Extension
- 13 in (330.2 mm) Fill Extension
- Emergency Vents
- 12 ft Vent Extensions
- Overfill Protection Valve
- Fuel Drop Tube
- 5 Gallon Spill Box
- 5 Gallon Spill Box Return Hose
- Tank Risers
- Fire Rated Stainless Steel Fuel Hose
- 90% High Fuel Alarm

ENGINEERED OPTIONS

ENGINE SYSTEM

- Coolant Heater Ball Valves
- Fluid Containment Pan

CONTROL SYSTEM

- Spare Inputs (x4) / Outputs (x4)
- Battery Disconnect Switch

ALTERNATOR SYSTEM

- 3rd Breaker System

FUEL TANKS

- UL2085 Tank
- Stainless Steel Tanks

SD060 | 4.5L | 60 kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

APPLICATION AND ENGINEERING DATA

ENGINE SPECIFICATIONS

General

Make	Iveco/FPT
EPA Emissions Compliance	Stationary Emergency
EPA Emissions Reference	See Emission Data Sheet
Cylinder #	4
Type	In-Line
Displacement - in ³ (L)	274.6 (4.5)
Bore - in (mm)	4.1 (105)
Stroke - in (mm)	5.2 (132)
Compression Ratio	17.5:1
Intake Air Method	Turbocharged
Cylinder Head	2 Valve
Piston Type	Aluminum
Crankshaft Type	Forged Steel

Engine Governing

Governor	Electronic Isochronous
Frequency Regulation (Steady State)	±0.25%

Lubrication System

Oil Pump Type	Gear Driven
Oil Filter Type	Full-Flow Cartridge
Crankcase Capacity - qt (L)	14.4 (13.6)

Cooling System

Cooling System Type	Closed
Water Pump Type	Belt Driven Centrifugal
Fan Type	Pusher
Fan Speed - RPM	2,538
Fan Diameter - in (mm)	26 (660)

Fuel System

Fuel Type	Ultra Low Sulfur Diesel Fuel #2
Fuel Specifications	ASTM
Fuel Filtering (Microns)	5
Fuel Pump Type	Engine Driven Gear
Injector Type	Mechanical
Fuel Supply Line - in (mm)	0.5 (12.7) NPT
Fuel Return Line - in (mm)	0.5 (12.7) NPT

Engine Electrical System

System Voltage	12 VDC
Battery Charger Alternator	Standard
Battery Size	See Battery Index 0161970SBY
Battery Voltage	12 VDC
Ground Polarity	Negative

ALTERNATOR SPECIFICATIONS

Standard Model	K0060124Y21
Poles	4
Field Type	Revolving
Insulation Class - Rotor	H
Insulation Class - Stator	H
Total Harmonic Distortion	<5% (3-Phase Only)
Telephone Interference Factor (TIF)	< 50

Standard Excitation	Brushless
Bearings	One Pre-Lubed and Sealed
Coupling	Direct via Flexible Disc
Prototype Short Circuit Test	Yes
Voltage Regulator Type	Digital
Number of Sensed Phases	All
Regulation Accuracy (Steady State)	±0.25%

SD060 | 4.5L | 60 kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

OPERATING DATA

POWER RATINGS - DIESEL

		Standby
Single-Phase 120/240 VAC @1.0pf	60 kW	Amps: 250
Three-Phase 120/208 VAC @0.8pf	60 kW	Amps: 208
Three-Phase 120/240 VAC @0.8pf	60 kW	Amps: 180
Three-Phase 277/480 VAC @0.8pf	60 kW	Amps: 90
Three-Phase 346/600 VAC @0.8pf	60 kW	Amps: 72

MOTOR STARTING CAPABILITIES (skVA)

skVA vs. Voltage Dip			
277/480 VAC	30%	208/240 VAC	30%
K0060124Y2	124	K0060124Y2	95
K0080124Y21	172	K0080124Y21	132
K0100124Y21	227	K0100124Y21	171

FUEL CONSUMPTION RATES*

Fuel Pump Lift - ft (m)	Diesel - gph (Lph)	
	Percent Load	Standby
3 (1)	25%	1.4 (5.3)
	50%	2.7 (10.2)
Total Fuel Pump Flow (Combustion + Return) - gph (Lph)	75%	3.8 (14.4)
13.6 (51.5)	100%	4.8 (18.2)

* Fuel supply installation must accommodate fuel consumption rates at 100% load.

COOLING

		Standby
Coolant Flow	gpm (Lpm)	32.7 (123.8)
Coolant System Capacity	gal (L)	4.5 (17.4)
Heat Rejection to Coolant	BTU/hr (kW)	123,000 (36.0)
Inlet Air	cfm (m ³ /hr)	6,360 (180)
Maximum Operating Ambient Temperature	°F (°C)	122 (50)
Maximum Ambient Temperature (Before Derate)	See Bulletin No. 0199280SSD	
Maximum Additional Radiator Backpressure	in H ₂ O (kPa)	0.5 (0.12)

COMBUSTION AIR REQUIREMENTS

	Standby
Flow at Rated Power - cfm (m ³ /min)	247 (7.0)

ENGINE

		Standby
Rated Engine Speed	RPM	1,800
Horsepower at Rated kW**	hp	93
Piston Speed	ft/min (m/min)	1,559 (475)
BMEP	psi (kPa)	154 (1,062)

EXHAUST

		Standby
Exhaust Flow (Rated Output)	cfm (m ³ /min)	534 (15.1)
Maximum Allowable Backpressure (Post Silencer)	inHg (kPa)	1.5 (5.1)
Exhaust Temperature (Rated Output - Post Turbo)	°F (°C)	930 (499)

** Refer to "Emissions Data Sheet" for maximum bHP for EPA and SCAQMD permitting purposes.

Deration – Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions.

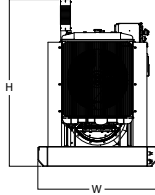
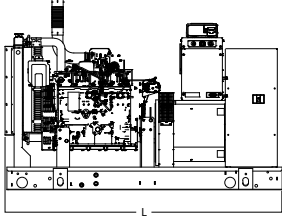
Please contact a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528, and DIN6271 standards.

Standby - See Bulletin 0187500SSB

Prime - See Bulletin 0187510SSB

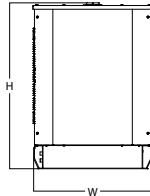
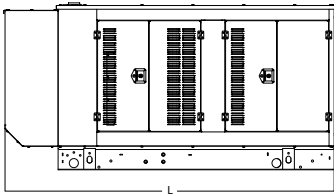
EPA Certified Stationary Emergency

DIMENSIONS AND WEIGHTS*



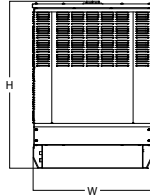
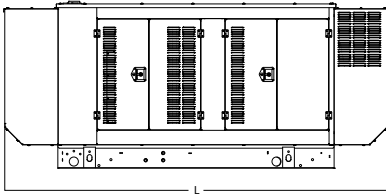
OPEN SET

Run Time - Hours	Usable Capacity - gal (L)	L x W x H - in (mm)	Weight - lbs (kg)	
No Tank	-	92.9 (2,360) x 40.0 (1,016) x 49.2 (1,250)	2,488 (1,128)	
16	79 (299)	92.9 (2,360) x 40.0 (1,016) x 62.2 (1,580)	3,010 (1,365)	
39	189 (716)	92.9 (2,360) x 40.0 (1,016) x 74.2 (1,885)	3,246 (1,472)	
59	285 (1,078)	135.4 (3,438) x 40.0 (1,016) x 74.2 (1,885)	3,963 (1,798)	
63	305 (1,134)	92.9 (2,360) x 40.0 (1,016) x 86.2 (2,190)	3,470 (1,573)	
72	350 (1,325)	110.0 (2,794) x 40.0 (1,016) x 86.2 (2,190)	3,872 (1,756)	
106	510 (1,930)	116.5 (2,960) x 46.5 (1,180) x 91.8 (2,333)	3,853 (1,749)	
122	589 (2,227)	128.0 (3,250) x 46.8 (1,190) x 89.7 (2,279)	4,332 (1,954)	



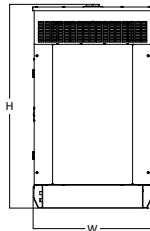
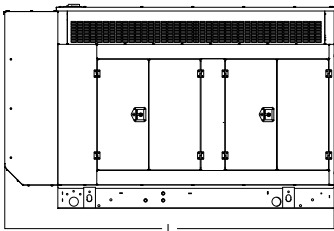
LEVEL 0 SOUND ATTENUATED ENCLOSURE

Run Time - Hours	Usable Capacity - gal (L)	L x W x H - in (mm)	Weight - lbs (kg) Enclosure Only	
			Steel	Aluminum
No Tank	-	111.8 (2,840) x 40.5 (1,028) x 56.2 (1,427)		
16	79 (299)	111.8 (2,840) x 40.5 (1,028) x 69.2 (1,757)		
39	189 (716)	111.8 (2,840) x 40.5 (1,028) x 81.2 (2,062)		
59	285 (1,078)	135.4 (3,438) x 40.5 (1,028) x 81.2 (2,062)	529 (240)	260 (118)
63	305 (1,134)	111.8 (2,840) x 40.5 (1,028) x 93.2 (2,367)		
72	350 (1,325)	111.8 (2,840) x 40.5 (1,028) x 93.2 (2,367)		
106	510 (1,930)	116.5 (2,960) x 46.5 (1,180) x 98.8 (2,510)		
122	589 (2,227)	128.0 (3,250) x 46.8 (1,190) x 96.7 (2,456)		



LEVEL 1 SOUND ATTENUATED ENCLOSURE

Run Time - Hours	Usable Capacity - gal (L)	L x W x H - in (mm)	Weight - lbs (kg) Enclosure Only	
			Steel	Aluminum
No Tank	-	129.4 (3,287) x 40.5 (1,028) x 56.2 (1,427)		
16	79 (299)	129.4 (3,287) x 40.5 (1,028) x 69.2 (1,757)		
39	189 (716)	129.4 (3,287) x 40.5 (1,028) x 81.2 (2,062)		
59	285 (1,078)	135.4 (3,438) x 40.5 (1,028) x 81.2 (2,062)	690 (313)	329 (150)
63	305 (1,134)	129.4 (3,287) x 40.5 (1,028) x 93.2 (2,367)		
72	350 (1,325)	129.4 (3,287) x 40.5 (1,028) x 93.2 (2,367)		
106	510 (1,930)	129.4 (3,287) x 46.5 (1,180) x 98.8 (2,510)		
122	589 (2,227)	129.4 (3,287) x 46.8 (1,190) x 96.7 (2,456)		



LEVEL 2 SOUND ATTENUATED ENCLOSURE

Run Time - Hours	Usable Capacity - gal (L)	L x W x H - in (mm)	Weight - lbs (kg) Enclosure Only	
			Steel	Aluminum
No Tank	-	111.8 (2,840) x 40.5 (1,028) x 68.6 (1,743)		
16	79 (299)	111.8 (2,840) x 40.5 (1,028) x 81.6 (2,073)		
39	189 (716)	111.8 (2,840) x 40.5 (1,028) x 93.6 (2,378)		
59	285 (1,078)	135.4 (3,438) x 40.5 (1,028) x 93.6 (2,378)	818 (371)	384 (175)
63	305 (1,134)	111.8 (2,840) x 40.5 (1,028) x 105.6 (2,683)		
72	350 (1,325)	111.8 (2,840) x 40.5 (1,028) x 105.6 (2,683)		
106	510 (1,930)	116.5 (2,960) x 46.5 (1,180) x 111.2 (2,826)		
122	589 (2,227)	128.0 (3,250) x 46.8 (1,190) x 109.1 (2,772)		

* All measurements are approximate and specification characteristics may change without notice. Dimensions and weights are for preliminary purposes only. Please contact a Generac Power Systems Industrial Dealer for detailed installation drawings.

STATEMENT OF EXHAUST EMISSIONS

2022 FPT Diesel Fueled Generator

The measured emissions values provided here are proprietary to Generac and its authorized dealers. This information may only be disseminated upon request to regulatory governmental bodies for emissions permitting purposes or to specifying organizations as submittal data when expressly required by project specifications, and shall remain confidential and not open to public viewing. This information is not intended for compilation or sales purposes and may not be used as such, nor may it be reproduced without the expressed written permission of Generac Power Systems, Inc.. The data provided shall not be meant to include information made public by Generac.

Generator Model:	SD060	EPA Certificate Number:	NFPXL04.5DTD-009
kW _e Rating:	50	CARB Certificate Number:	Not Applicable
Engine Family:	NFPXL04.5DTD	Emission Standard Category:	Tier 3
Engine Model:	F4GE9455A*J	Certification Type:	Stationary Emergency CI (40 CFR Part 60 Subpart IIII)
Rated Engine Power (BHP)*:	93		
Fuel Consumption (gal/hr)*:	5.04		
Aspiration:	Turbocharged		
Rated RPM:	1,800		

*Engine power and fuel consumption are declared by the engine manufacturer of record and the U.S EPA.

EMISSIONS BASED ON ENGINE POWER OF SPECIFIC ENGINE MODEL

These Values Are Actual Composite Weighted Exhaust Emissions Results Over the EPA 5-Mode Test Cycle

CO	NOx + NMHC	PM	
1.40	4.33	0.32	Grams/kW-hr
1.04	3.23	0.24	Grams/bhp-hr

These Values are 100% Load Data Exhaust Emissions Results

CO	NOx + NMHC	PM	
0.85	4.25	0.29	Grams/kW-hr
0.63	3.17	0.22	Grams/bhp-hr

- The stated values are actual exhaust emission test measurements obtained from an engine representative of the type described above.
- Values based on 5-Mode testing are official data of record as submitted to regulatory agencies for certification purposes. Testing was conducted in accordance with prevailing EPA protocol, which is typically accepted by SCAQMD and other regional authorities.
- No emissions values provided above are to be construed as guarantees of emission levels for any given Generac generator unit.
- Generac Power Systems, Inc. reserves the right to revise this information without prior notice.
- Consult state and local regulatory agencies for specific permitting requirements.
- The emission performance data supplied by the equipment manufacturer is only one element required toward completion of the permitting and installation process. State and local regulations may vary on a case-by-case basis and local agencies must be consulted by the permit application/ equipment owner prior to equipment purchase or installation. The data supplied herein by Generac Power Systems Inc. cannot be construed as a guarantee of installability of the generating set.

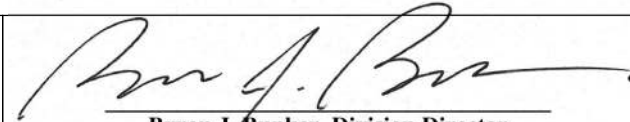


UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
2022 MODEL YEAR
CERTIFICATE OF CONFORMITY
WITH THE CLEAN AIR ACT

OFFICE OF TRANSPORTATION
AND AIR QUALITY
ANN ARBOR, MICHIGAN 48105

Certificate Issued To: FPT Industrial S.p.A.
(U.S. Manufacturer or Importer)
Certificate Number: NFPXL04.5DTD-009

Effective Date:
04/24/2021
Expiration Date:
12/31/2022


Byron J. Bunker, Division Director
Compliance Division

Issue Date:
04/24/2021
Revision Date:
N/A

Model Year: 2022
Manufacturer Type: Original Engine Manufacturer
Engine Family: NFPXL04.5DTD

Mobile/Stationary Indicator: Stationary
Emissions Power Category: 56<=kW<75
Fuel Type: Diesel
After Treatment Devices: No After Treatment Devices Installed
Non-after Treatment Devices: No Non-After Treatment Devices Installed

Pursuant to Section 111 and Section 213 of the Clean Air Act (42 U.S.C. sections 7411 and 7547) and 40 CFR Part 60, and subject to the terms and conditions prescribed in those provisions, this certificate of conformity is hereby issued with respect to the test engines which have been found to conform to applicable requirements and which represent the following engines, by engine family, more fully described in the documentation required by 40 CFR Part 60 and produced in the stated model year.

This certificate of conformity covers only those new compression-ignition engines which conform in all material respects to the design specifications that applied to those engines described in the documentation required by 40 CFR Part 60 and which are produced during the model year stated on this certificate of the said manufacturer, as defined in 40 CFR Part 60.

It is a term of this certificate that the manufacturer shall consent to all inspections described in 40 CFR 1068 and authorized in a warrant or court order. Failure to comply with the requirements of such a warrant or court order may lead to revocation or suspension of this certificate for reasons specified in 40 CFR Part 60. It is also a term of this certificate that this certificate may be revoked or suspended or rendered void *ab initio* for other reasons specified in 40 CFR Part 60.

This certificate does not cover engines sold, offered for sale, or introduced, or delivered for introduction, into commerce in the U.S. prior to the effective date of the certificate.

Warranty

United States Environmental Protection Agency Warranty Statement (Stationary Emergency Compression-Ignition Generators)

Warranty Rights, Obligations and Coverage

Your emission-related warranty covers only components whose failure would increase an engine's emissions of any regulated pollutant where they are designed, built, and equipped to be free from defects in materials and workmanship under applicable regulations of section 213 of the clean air act. To receive information about how to make an emission-related warranty claim, and how to make arrangements for authorized repairs call **1-800-333-1322** or **www.generac.com**. Emission-related warranty claims may be denied without proof of proper maintenance or use, accidents beyond the control of the manufacturer, or act of God. Proper maintenance is specified in the Owner's Manual. Usage is limited to stationary emergency operations and 100 hours per year for maintenance and readiness testing. The warranty period begins when the engine is placed into service. Warranty periods for compression ignition engines greater than 25 horsepower is five years. This warranty is applicable to compression-ignition generator models; equal to and larger than an SD80 starting 1/1/2011, equal to and larger than an SD35 starting 1/1/2012, and all compression-ignition generator models starting 1/1/2013.

Important Note

This warranty statement explains your rights and obligations under the Emission Control System Warranty, which is provided to you by Generac pursuant to federal law. Note that this warranty shall not apply to any incidental, consequential or indirect damages caused by defects in materials or workmanship or any delay in repair or replacement of the defective part(s). This warranty is in place of all other warranties, expressed or implied. Specifically, Generac makes no other warranties as to the merchantability or fitness for a particular purpose. Any implied warranties which are allowed by law, shall be limited in duration to the terms of the express warranty provided herein. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

TYPICAL PARAMETERS OF VARIOUS FUELS^a

Type Of Fuel	Heating Value		Sulfur % (by weight)	Ash % (by weight)
	kcal	Btu		
Solid Fuels				
Bituminous Coal	7,200/kg	13,000/lb	0.6-5.4	4-20
Anthracite Coal	6,810/kg	12,300/lb	0.5-1.0	7.0-16.0
Lignite (@ 35% moisture)	3,990/kg	7,200/lb	0.7	6.2
Wood (@ 40% moisture)	2,880/kg	5,200/lb	N	1-3
Bagasse (@ 50% moisture)	2,220/kg	4,000/lb	N	1-2
Bark (@ 50% moisture)	2,492/kg	4,500/lb	N	1-3 ^b
Coke, Byproduct	7,380/kg	13,300/lb	0.5-1.0	0.5-5.0
Liquid Fuels				
Residual Oil	9.98 x 10 ⁶ /m ³	150,000/gal	0.5-4.0	0.05-0.1
Distillate Oil	9.30 x 10 ⁶ /m ³	140,000/gal	0.2-1.0	N
Diesel	9.12 x 10 ⁶ /m ³	137,000/gal	0.4	N
Gasoline	8.62 x 10 ⁶ /m ³	130,000/gal	0.03-0.04	N
Kerosene	8.32 x 10 ⁶ /m ³	135,000/gal	0.02-0.05	N
Liquid Petroleum Gas	6.25 x 10 ⁶ /m ³	94,000/gal	N	N
Gaseous Fuels				
Natural Gas	9,341/m ³	1,050/SCF	N	N
Coke Oven Gas	5,249/m ³	590/SCF	0.5-2.0	N
Blast Furnace Gas	890/m ³	100/SCF	N	N

^a N = negligible.

^b Ash content may be considerably higher when sand, dirt, etc., are present.

THE CARL MOYER PROGRAM GUIDELINES

Approved Revisions 2011



Approved by the Board: April 28,

2011 Revised Date: December 18,

California Environmental Protection Agency

 **Air Resources Board**

REFERENCES

The information in these tables has already been incorporated into the preceding emission factor tables. These tables are included for informational purposes.

**Table D-25
Pollutant Fractions
NO_x+NMHC**

Diesel Engines		Alternative Fuel Engines	
NO _x	NMHC	NO _x	NMHC
0.95	0.05	0.80	0.20

**Table D-26
Fuel Correction Factors
On-Road Diesel Engines**

Model Year	NO _x	PM10	HC
Pre- 2007	0.93	0.72	0.72
2007+	0.93	0.80	0.72

**Table D-27
Fuel Correction Factors
Off-Road Diesel Engines**

Model Year	NO _x	PM10
Pre-Tier 1	0.930	0.720
Tier 1+	0.948	0.800

**Table D-28
Conversion Factors for NO_x, ROG and PM10
Heavy-Duty Vehicle Projects (bhp-hr/mile)**

Model Year	Medium Heavy-Duty 14,001-33,000 lbs	Heavy Heavy-Duty 33,000 lbs +	Urban Bus 33,000 lbs +
Pre-1989	1.9	3.1	4.0
1990 - 1993	1.8	3.0	4.0
1994 - 1995	1.8	2.9	4.0
1996+	1.8	2.9	4.0

3. OPERATIONAL PLAN – AIR EMISSIONS DURING SSM

The Building is owned and operated by Kirtland Air Force Base. As soon as a malfunction occurs, the facility will shut down applicable equipment to ensure no excess emissions or non-permitted emissions are released. The facility will only startup again once it is identified that the malfunction is addressed, and the facility will operate as normal and permitted.

Additional details are provided in this section for each piece of equipment regarding specific steps KAFB will take should any malfunction occur on site as well as details regarding safety procedures and processes to ensure protection of employees, the general public, and the environment.

3.1 Emergency Generator Operational Plan

3.1.1 Emergency Generator Startup Procedure

A startup event for a Reciprocating Internal Combustion Engine (RICE) occurs when the unit is initially operated after being off. KAFB carefully monitors the entire startup process to ensure safety and minimize airborne emissions.

The following actions included in the operational plan are critical for minimizing emissions during startup:

- ▶ Minimizing cold engine startups by ensuring achievement of good combustion.
- ▶ Monitoring the opacity and color of the exhaust gases and taking the unit offline for repairs upon the observation of abnormal soot coming out of the stacks.

3.1.2 Emergency Generator Shutdown Procedure

A shutdown event for a RICE occurs when the unit is shut down after a period of operation. KAFB will carefully monitor the entire shutdown process to ensure safety and minimize airborne emissions.

The following actions included in the operational plan are critical for minimizing emissions during engine shutdown:

- ▶ Removing the full electrical load from the system and initiating a cool down cycle before the engine is stopped.
- ▶ Monitoring the opacity and color of the exhaust gasses and taking the unit offline for repairs upon the observation of abnormal soot coming out of the stacks.

3.1.3 Emergency Generator Maintenance

KAFB will ensure the emergency generator RICE are appropriately maintained according to the manufacturer's recommendations. KAFB will carefully monitor the engines to ensure safety and minimize airborne emissions during regularly scheduled maintenance events.

The following actions included in the maintenance operational plan are critical for minimizing emissions during the event:

- ▶ Ensure the engine is achieving good combustion during the maintenance activity.
- ▶ Monitoring the opacity and color of the exhaust gases and taking the unit offline for repairs upon the observation of abnormal soot coming out of the stacks.

4. AIR DISPERSION MODELING ANALYSIS

N/A – No Modeling is required since the facility consists of an emergency generator.

APPENDIX A. APPLICATION FORMS

A.1 Permit Application Checklist



City of Albuquerque Environmental Health Department Air Quality Program



Construction Permit (20.11.41 NMAC) Application Checklist

This checklist must be returned with the application

Any person seeking a new air quality permit, a permit modification, or an emergency permit under 20.11.41 NMAC (Construction Permits) shall do so by filing a written application with the Albuquerque-Bernalillo County Joint Air Quality Program, which 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 (“Department”).

The Department will rule an application administratively incomplete if it is missing or has incorrect information. The Department may require additional information that is necessary to make a thorough review of an application, including but not limited to technical clarifications, emission calculations, emission factor usage, additional application review fees if any are required by 20.11.2 NMAC, and new or additional air dispersion modeling.

If the Department has ruled an application administratively incomplete three (3) times, the Department will deny the permit application. Any fees submitted for processing an application that has been denied will not be refunded. If the Department 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.

The following are the minimum elements that shall be included in the permit application before the Department can determine whether an application is administratively complete and ready for technical review. It is not necessary to include an element if the Department has issued a written waiver regarding the element and the waiver accompanies the application. However, the Department shall not waive any federal requirements.

At all times before the Department 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 Department. 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 Department’s review and decision. While the Department is processing an application, regardless of whether the Department has determined the application is administratively complete, if the Department determines that additional information is necessary to evaluate or make a final decision regarding the application, the Department may request additional information and the applicant shall provide the requested additional information.

NOTICE REGARDING PERMIT APPEALS: A person who has applied for or has been issued an air quality permit by the Department shall be an obligatory party to a permit appeal filed pursuant to 20.11.81 NMAC.

NOTICE REGARDING SCOPE OF A PERMIT: The 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 Planning Department or 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 Planning Department website at <https://www.cabq.gov/planning> and the County Department of Planning and Development Services website at <https://www.bernco.gov/planning>.

The Applicant shall:

20.11.41.13(A) NMAC – Pre-Application Requirements:

Item	Completed	NA ¹	Waived ²
(1) Request a pre-application meeting with the Department using the pre-application meeting request form.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(2) Attend the pre-application meeting. Date of Pre-application meeting:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

1. Not Applicable
2. It is not necessary to include an element if the Department has issued a written waiver regarding the element and the waiver accompanies the application. However, the Department shall not waive any federal requirements.

20.11.41.13(B) NMAC – Applicant’s Public Notice Requirements:

Item	Included in Application	NA ¹	Waived ²
(1) Provide public notice in accordance with the regulation, including by certified mail or electronic copy to the designated representative(s) of the recognized neighborhood associations and recognized coalitions that are within one-half mile of the exterior boundaries of the property on which the source is or is proposed to be located.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Contact list of representative(s) of neighborhood associations and recognized coalitions cannot be more than three months old from the application submittal date.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Provide notice using the Notice of Intent to Construct form.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(2) In accordance with the regulation, post and maintain in a visible location a weather proof sign provided by the Department.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1. Not Applicable; For emergency permits, the public notice requirements in 20.11.41.24 NMAC shall apply instead.
2. It is not necessary to include an element if the Department has issued a written waiver regarding the element and the waiver accompanies the application. However, the Department shall not waive any federal requirements.

The Permit Application shall include:

20.11.41.13(E) NMAC – Application Contents

Item	Included In Application	NA ¹	Waived ²
(1) A complete permit application on the most recent form provided by the Department.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(2) The application form includes:			
a. The owner’s name, street and post office address, and contact information;	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. The facility/ operator’s name, street address and mailing address, if different from the owner;	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. The consultant’s name, and contact information, if applicable;	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. All information requested on the application form is included (i.e., the form is complete).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(3) Date application is submitted.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(4) Sufficient attachments for the following:			
a. Ambient impact analysis using an atmospheric dispersion model approved by the U.S. Environmental Protection Agency, and the Department to demonstrate compliance with the applicable ambient air quality standards. See 20.11.01 NMAC. If you are modifying an existing source, the modeling must include the	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Item	Included In Application	NA ¹	Waived ²
emissions of the entire source to demonstrate the impact the new or modified source(s) will have on existing plant emissions.			
b. The air dispersion model has been executed pursuant to a protocol that was approved in advance by the Department.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Air dispersion modeling approved protocol date:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Basis or source for each emission rate (including manufacturer's specification sheet, AP-42 section sheets, test data, or corresponding supporting documentation for any other source used).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. All calculations used to estimate potential emission rates and controlled/proposed emissions.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Basis for the estimated control efficiencies and sufficient engineering data for verification of the control equipment operation, including if necessary, design, drawing, test report and factors which affect the normal operation.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. Fuel data for each existing and/or proposed piece of fuel burning equipment.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. Anticipated maximum production capacity of the entire facility and the requested production capacity after construction and/or modification.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i. Stack and exhaust gas parameters for all existing and proposed emission stacks.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(5) An operational and maintenance strategy detailing:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
a. steps the applicant will take if a malfunction occurs that may cause emission of a regulated air contaminant to exceed a limit that is included in the permit;	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. the nature of emission during routine startup or shutdown of the source and the source's air pollution control equipment; and	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. the steps the application will take to minimize emissions during routine startup or shutdown.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(6) A map, such as a 7.5'-topographic quadrangle map published by the U.S. Geological Survey or a map of equivalent or greater scale, detail, and precision, including a City or County zone atlas map that shows the proposed location of each process equipment unit involved in the proposed construction, modification, or operation of the source, as applicable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(7) An aerial photograph showing the proposed location of each process equipment unit involved in the proposed construction, modification, relocation or technical revision of the source except for federal agencies or departments involved in national defense or national security as confirmed and agreed by the Department in writing.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(8) A complete description of all sources of regulated air contaminants and a process flow diagram depicting the process equipment unit or units at the facility, both existing and proposed, that are proposed to be involved in routine operations and from which regulated air contaminant emissions are expected to be emitted.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(9) A full description of air pollution control equipment, including all calculations and the basis for all control efficiencies presented, manufacturer's specifications sheets, and site layout and assembly drawings; UTM (universal transverse mercator) coordinates shall be used to identify the location of each emission unit.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(10) A description of the equipment or methods proposed by the applicant to be used for emission measurement.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(11) The maximum and normal operating time schedules of the source after completion of construction or modification, as applicable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(12) Any other relevant information as the Department may reasonably require, including without limitation:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
a. Applicants shall provide documentary proof that the proposed air quality permitted use of the facility's subject property is allowed by the zoning designation of the City or County zoning laws, as applicable. Sufficient documentation includes: (i) a zoning certification from the City Planning Department or County Department of Planning and Development Services, as applicable, if the property is subject to City or County zoning jurisdiction; or (ii) a zoning verification from both planning	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Item	Included In Application	NA ¹	Waived ²
departments if the property is not subject to City or County zoning jurisdiction. ³ A zone atlas map shall not be sufficient.			
(13) The signature of the applicant, operator, owner or an authorized representative, certifying to the accuracy of all information as represented in the application and attachments, if any.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(14) A check or money order for the appropriate application fee or fees required by 20.11.2 NMAC (Fees).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1. *Not Applicable*
2. *It is not necessary to include an element if the Department has issued a written waiver regarding the element and the waiver accompanies the application. However, the Department shall not waive any federal requirements.*
3. *For emergency permit applications, applicants are not required to submit documentation for the subject property's zoning designation.*

A.2 Pre-Application Checklist

From: [Lopez, Angela](#)
To: [MUNOZ-DYER, CARINA G CIV USAF AFGSC 377 MSG/CEIEC](#)
Subject: [Non-DoD Source] RE: Pre-application meeting waiver request
Date: Monday, February 13, 2023 3:43:53 PM
Attachments: [image001.png](#)

Hello Ms. Munoz-Dyer,

Your request to waive the pre-application meeting for the emergency generators at KAFB is granted.

If you need anything else, please let me know.

Sincerely,



ANGELA LOPEZ

senior environmental health scientist | environmental health department
small business assistance program

o 505.768.1962

cabq.gov/environmentalhealth/

From: MUNOZ-DYER, CARINA G CIV USAF AFGSC 377 MSG/CEIEC [mailto:carina.munoz-dyer@us.af.mil]

Sent: Monday, February 13, 2023 3:08 PM

To: Lopez, Angela <angelalopez@cabq.gov>

Subject: Pre-application meeting waiver request

Hello Angela.

Kirtland Air Force Base will be submitting a couple of application for new emergency generators.

These generators do not qualify for an AQN and must go through the construction permitting process. However, they will be diesel emergency engines.

Therefore, I am respectfully requesting to waive the requirement for a pre-application meeting for these emergency generators.

Let me know if you have any questions.

Respectfully,
Carina

Carina G. Munoz-Dyer, Program Manager
377 MSG/CEIEC, Air Quality
2050 Wyoming Blvd SE, B20685
Kirtland AFB, NM 87117
Carina.munoz-dyer@us.af.mil
o. 505-846-8781

A.3 Permit Application Review Fees Form



City of Albuquerque

Environmental Health Department

Air Quality Program



Permit Application Review Fee Instructions

All source registration, authority-to-construct, and operating permit applications for stationary or portable sources shall be charged an application review fee according to the fee schedule in 20.11.2 NMAC. These filing fees are required for both new construction, reconstruction, and permit modifications applications. Qualified small businesses as defined in 20.11.2 NMAC may be eligible to pay one-half of the application review fees and 100% of all applicable federal program review fees.

Please fill out the permit application review fee checklist and submit with a check or money order payable to the "City of Albuquerque Fund 242" and either:

1. be delivered in person to the Albuquerque Environmental Health Department, 3rd floor, Suite 3023 or Suite 3027, Albuquerque-Bernalillo County Government Center, south building, One Civic Plaza NW, Albuquerque, NM or,
2. mailed to Attn: Air Quality Program, Albuquerque Environmental Health Department, P.O. Box 1293, Albuquerque, NM 87103.

The department will provide a receipt of payment to the applicant. The person delivering or filing a submittal shall attach a copy of the receipt of payment to the submittal as proof of payment. Application review fees shall not be refunded without the written approval of the manager. If a refund is requested, a reasonable professional service fee to cover the costs of staff time involved in processing such requests shall be assessed. Please refer to 20.11.2 NMAC (effective January 10, 2011) for more detail concerning the "Fees" regulation as this checklist does not relieve the applicant from any applicable requirement of the regulation.



City of Albuquerque

Environmental Health Department

Air Quality Program



Permit Application Review Fee Checklist Effective January 1, 2023 – December 31, 2023

Please completely fill out the information in each section. Incompleteness of this checklist may result in the Albuquerque Environmental Health Department not accepting the application review fees. If you should have any questions concerning this checklist, please call 768-1972.

I. COMPANY INFORMATION:

Company Name	U.S. Air Force - Kirtland Air Force Base (KAFB)		
Company Address	377 MSG/ CEIEC, 2050 Wyoming Blvd SE, Suite A-116B, KAFB, Albuquerque, NM 87117-5270		
Facility Name	Base Defense Operations Center (BDOC)		
Facility Address	8500 Gibson Blvd SE, Kirtland AFB, Albuquerque, NM 87117		
Contact Person	Isreal Tavarez, Chief, Environmental Management		
Contact Person Phone Number	(505) 846-8546		
Are these application review fees for an existing permitted source located within the City of Albuquerque or Bernalillo County?	Yes	No <input checked="" type="checkbox"/>	
If yes, what is the permit number associated with this modification?	Permit #		
Is this application review fee for a Qualified Small Business as defined in 20.11.2 NMAC? (See Definition of Qualified Small Business on Page 4)	Yes	No <input checked="" type="checkbox"/>	

II. STATIONARY SOURCE APPLICATION REVIEW FEES:

If the application is for a new stationary source facility, please check all that apply. If this application is for a modification to an existing permit please see Section III.

Check All That Apply	Stationary Sources	Review Fee	Program Element
Air Quality Notifications			
	AQN New Application	\$641.00	2801
	AQN Technical Amendment	\$352.00	2802
	AQN Transfer of a Prior Authorization	\$352.00	2803
<input checked="" type="checkbox"/>	<i>Not Applicable</i>	<i>See Sections Below</i>	
Stationary Source Review Fees (Not Based on Proposed Allowable Emission Rate)			
	Source Registration required by 20.11.40 NMAC	\$ 657.00	2401
<input checked="" type="checkbox"/>	A Stationary Source that requires a permit pursuant to 20.11.41 NMAC or other board regulations and are not subject to the below proposed allowable emission rates	\$1,314.00	2301
	<i>Not Applicable</i>	<i>See Sections Below</i>	
Stationary Source Review Fees (Based on the Proposed Allowable Emission Rate for the single highest fee pollutant)			
	Proposed Allowable Emission Rate Equal to or greater than 1 tpy and less than 5 tpy	\$986.00	2302
	Proposed Allowable Emission Rate Equal to or greater than 5 tpy and less than 25 tpy	\$1,971.00	2303
	Proposed Allowable Emission Rate Equal to or greater than 25 tpy and less than 50 tpy	\$3,942.00	2304
	Proposed Allowable Emission Rate Equal to or greater than 50 tpy and less than 75 tpy	\$5,913.00	2305
	Proposed Allowable Emission Rate Equal to or greater than 75 tpy and less than 100 tpy	\$7,884.00	2306
	Proposed Allowable Emission Rate Equal to or greater than 100 tpy	\$9,855.00	2307

<input checked="" type="checkbox"/>	<i>Not Applicable</i>	<i>See Section Above</i>	
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Federal Program Review Fees (In addition to the Stationary Source Application Review Fees above)			
<input checked="" type="checkbox"/>	40 CFR 60 - "New Source Performance Standards" (NSPS)	\$1,314.00	2308
	40 CFR 61 - "Emission Standards for Hazardous Air Pollutants (NESHAPs)	\$1,314.00	2309
<input checked="" type="checkbox"/>	40 CFR 63 - (NESHAPs) Promulgated Standards	\$1,314.00	2310
	40 CFR 63 - (NESHAPs) Case-by-Case MACT Review	\$13,140.00	2311
	20.11.61 NMAC, Prevention of Significant Deterioration (PSD) Permit	\$6,570.00	2312
	20.11.60 NMAC, Non-Attainment Area Permit	\$6,570.00	2313
	<i>Not Applicable</i>	<i>Not Applicable</i>	

III. MODIFICATION TO EXISTING PERMIT APPLICATION REVIEW FEES:

If the permit application is for a modification to an existing permit, please check all that apply. If this application is for a new stationary source facility, please see Section II.

Check All That Apply	Modifications	Review Fee	Program Element
Modification Application Review Fees (Not Based on Proposed Allowable Emission Rate)			
	Proposed modification to an existing stationary source that requires a permit pursuant to 20.11.41 NMAC or other board regulations and are not subject to the below proposed allowable emission rates	\$1,314	2321
<input checked="" type="checkbox"/>	<i>Not Applicable</i>	<i>See Sections Below</i>	
Modification Application Review Fees (Based on the Proposed Allowable Emission Rate for the single highest fee pollutant)			
	Proposed Allowable Emission Rate Equal to or greater than 1 tpy and less than 5 tpy	\$986.00	2322
	Proposed Allowable Emission Rate Equal to or greater than 5 tpy and less than 25 tpy	\$1,971.00	2323
	Proposed Allowable Emission Rate Equal to or greater than 25 tpy and less than 50 tpy	\$3,942.00	2324
	Proposed Allowable Emission Rate Equal to or greater than 50 tpy and less than 75 tpy	\$5,913.00	2325
	Proposed Allowable Emission Rate Equal to or greater than 75 tpy and less than 100 tpy	\$7,884.00	2326
	Proposed Allowable Emission Rate Equal to or greater than 100 tpy	\$9,855.00	2327
<input checked="" type="checkbox"/>	<i>Not Applicable</i>	<i>See Section Above</i>	
Major Modifications Review Fees (In addition to the Modification Application Review Fees above)			
	20.11.60 NMAC, Permitting in Non-Attainment Areas	\$6,570	2333
	20.11.61 NMAC, Prevention of Significant Deterioration	\$6,570	2334
<input checked="" type="checkbox"/>	<i>Not Applicable</i>	<i>Not Applicable</i>	
Federal Program Review Fees (This section applies only if a Federal Program Review is triggered by the proposed modification) (These fees are in addition to the Modification and Major Modification Application Review Fees above)			
	40 CFR 60 - "New Source Performance Standards" (NSPS)	\$1,314.00	2328
	40 CFR 61 - "Emission Standards for Hazardous Air Pollutants (NESHAPs)	\$1,314.00	2329
	40 CFR 63 - (NESHAPs) Promulgated Standards	\$1,314.00	2330
	40 CFR 63 - (NESHAPs) Case-by-Case MACT Review	\$13,140.00	2331
	20.11.61 NMAC, Prevention of Significant Deterioration (PSD) Permit	\$6,570.00	2332
	20.11.60 NMAC, Non-Attainment Area Permit	\$6,570.00	2333

<input checked="" type="checkbox"/>	<i>Not Applicable</i>	<i>Not Applicable</i>
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IV. ADMINISTRATIVE AND TECHNICAL REVISION APPLICATION REVIEW FEES:
 If the permit application is for an administrative or technical revision of an existing permit issued pursuant to 20.11.41 NMAC, please check one that applies.

Check One	Revision Type	Review Fee	Program Element
	Administrative Revisions	\$ 250.00	2340
	Technical Revisions	\$ 500.00	2341
<input checked="" type="checkbox"/>	<i>Not Applicable</i>	<i>See Sections II, III or V</i>	

V. PORTABLE STATIONARY SOURCE RELOCATION FEES:
 If the permit application is for a portable stationary source relocation of an existing permit, please check one that applies.

Check One	Portable Stationary Source Relocation Type	Review Fee	Program Element
	No New Air Dispersion Modeling Required	\$ 500.00	2501
	New Air Dispersion Modeling Required	\$ 750.00	2502
<input checked="" type="checkbox"/>	<i>Not Applicable</i>	<i>See Sections II, III or V</i>	

VI. Please submit a check or money order in the amount shown for the total application review fee.

Section Totals	Review Fee Amount
Section II Total	\$ 3942.00
Section III Total	\$ --
Section IV Total	\$ --
Section V Total	\$ --
Total Application Review Fee	\$ 3942.00

I, the undersigned, a responsible official of the applicant company, certify that to the best of my knowledge, the information stated on this checklist, give a true and complete representation of the permit application review fees which are being submitted. I also understand that an incorrect submittal of permit application reviews may cause an incompleteness determination of the submitted permit application and that the balance of the appropriate permit application review fees shall be paid in full prior to further processing of the application.

Signed this 8th day of June 2023

Jason F. Vattioni, Colonel, USAF

Commander, 377th Air Base Wing

Print Name

Print Title

VATTIONI.JASO
 N.F.1170028640

Digitally signed by
 VATTIONI.JASON.F.1170028640
 Date: 2023.06.08 08:56:54 -06'00'

Signature

Definition of Qualified Small Business as defined in 20.11.2 NMAC:

“Qualified small business” means a business that meets all of the following requirements:

- (1) a business that has 100 or fewer employees;
- (2) a small business concern as defined by the federal Small Business Act;
- (3) a source that emits less than 50 tons per year of any individual regulated air pollutant, or less than 75 tons per year of all regulated air pollutants combined; and
- (4) a source that is not a major source or major stationary source.A

Note: Beginning January 1, 2011, and every January 1 thereafter, an increase based on the consumer price index shall be added to the application review fees. The application review fees established in Subsection A through D of 20.11.2.18 NMAC shall be adjusted by an amount equal to the increase in the consumer price index for the immediately-preceding year. Application review fee adjustments equal to or greater than fifty cents (\$0.50) shall be rounded up to the next highest whole dollar. Application review fee adjustments totaling less than fifty cents (\$0.50) shall be rounded down to the next lowest whole dollar. The department shall post the application review fees on the city of Albuquerque environmental health department air quality program website.

A.4 Permit Application Form



**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

**Application for Air Pollutant Sources in Bernalillo County
Source Registration (20.11.40 NMAC) and Construction Permits (20.11.41 NMAC)**

Submittal Date: June 13, 2023

Owner/Corporate Information Check here and leave this section blank if information is exactly the same as Facility Information below.

Company Name: U.S. Air Force - Kirtland Air Force Base (KAFB)			
Mailing Address: 377 MSG/ CEIEC, 2050 Wyoming Blvd SE, Suite A-116B, KAFB	City: Albuquerque	State: NM	Zip: 87117-5270
Company Phone: (505) 846-8546	Company Contact: Isreal Tavarez		
Company Contact Title: Chief, Environmental Management	Phone: (505) 846-8546	E-mail: isreal.tavarez@us.af.mil	

Stationary Source (Facility) Information: Provide a plot plan (legal description/drawing of the facility property) with overlay sketch of facility processes, location of emission points, pollutant type, and distances to property boundaries.

Facility Name: Base Defense Operations Center (BDOC)			
Facility Physical Address: 8500 Gibson Blvd SE, Building 20202 Kirtland AFB	City: Albuquerque	State: NM	Zip: 87117
Facility Mailing Address (if different): N/A	City: N/A	State: N/A	Zip: N/A
Facility Contact: Isreal Tavarez	Title: Chief, Environmental Management		
Phone: (505) 846-8546	E-mail: isreal.tavarez@us.af.mil		
Authorized Representative Name ¹ : Isreal Tavarez	Authorized Representative Title: Chief, Environmental Management		

Billing Information Check here if same contact and mailing address as corporate Check here if same as facility

Billing Company Name: U.S. Air Force - Kirtland Air Force Base (KAFB)			
Mailing Address: 377 MSG/ CEIEC, 2050 Wyoming Blvd SE, Building 20685, KAFB	City: Albuquerque	State: NM	Zip: 87117-5270
Billing Contact: Carina G. Munoz-Dyer	Title: Program Manager		
Phone: (505) 846-8781	E-mail: carina.munoz-dyer@us.af.mil		

Preparer/Consultant(s) Information Check here and leave section blank if no Consultant used or Preparer is same as Facility Contact.

Name: Adam Erenstein	Title: Principal consultant, Manager of Consulting Services		
Mailing Address: 9400 Holly Avenue NE, Building 3, Suite B	City: Albuquerque	State: NM	Zip: 87122
Phone: (505) 266-6611	Email: aerenstein@trinityconsultants.com		

1. See 20.11.41.13(E)(13) NMAC.

**Application for Air Pollutant Sources in Bernalillo County
Source Registration (20.11.40 NMAC) and Construction Permits (20.11.41 NMAC)**

General Operation Information (if any question does not pertain to your facility, type N/A on the line or in the box)

Permitting action being requested (please refer to the definitions in 20.11.40 NMAC or 20.11.41 NMAC):				
<input checked="" type="checkbox"/> New Permit	<input type="checkbox"/> Permit Modification Current Permit #:	<input type="checkbox"/> Technical Permit Revision Current Permit #:	<input type="checkbox"/> Administrative Permit Revision Current Permit #:	
<input type="checkbox"/> New Registration Certificate	<input type="checkbox"/> Modification Current Reg. #:	<input type="checkbox"/> Technical Revision Current Reg. #:	<input type="checkbox"/> Administrative Revision Current Reg. #:	
UTM coordinates of facility (Zone 13, NAD 83): 358493 m E and 3880393 m N				
Facility type (<i>i.e.</i> , a description of your facility operations): Air Force Base				
Standard Industrial Classification (SIC Code #): 9711		North American Industry Classification System (NAICS Code #): 928110		
Is this facility currently operating in Bernalillo County? No		If YES , list date of original construction: If NO , list date of planned startup: 05/19/2023		
Is the facility permanent? Yes		If NO , list dates for requested temporary operation: From Through		
Is the facility a portable stationary source? No		If YES , is the facility address listed above the main permitted location for this source?		
Is the application for a physical or operational change, expansion, or reconstruction (<i>e.g.</i> , altering process, or adding, or replacing process or control equipment, etc.) to an existing facility? No				
Provide a description of the requested changes: N/A				
What is the facility's operation? <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermittent <input type="checkbox"/> Batch				
Estimated percent of production/operation:	Jan-Mar: 100%	Apr-Jun: 100%	Jul-Sep: 100%	Oct-Dec: 100%
Requested operating times of facility:	24 hours/day	7 days/week	4 weeks/month	12 months/year
Will there be special or seasonal operating times other than shown above? This includes monthly- or seasonally-varying hours. No				
If YES , please explain: N/A				
List raw materials processed: N/A- Application is for construction of an emergency generator.				
List saleable item(s) produced: N/A- Application is for construction of an emergency generator.				

USE INSTRUCTIONS: For the forms on the following pages, please do not alter or delete the existing footnotes or page breaks. If additional footnotes are needed then add them to the end of the existing footnote list for a given table. Only update the rows and cells within tables as necessary for your project. Unused rows can be deleted from tables. If multiple scenarios will be represented then the Uncontrolled and Controlled Emission Tables, and other tables as needed, can be duplicated and adjusted to indicate the different scenarios.

**Application for Air Pollutant Sources in Bernalillo County
Source Registration (20.11.40 NMAC) and Construction Permits (20.11.41 NMAC)**

Regulated Emission Sources Table

(E.g., Generator-Crusher-Screen-Conveyor-Boiler-Mixer-Spray Guns-Saws-Sander-Oven-Dryer-Furnace-Incinerator-Haul Road-Storage Pile, etc.) Match the Units listed on this Table to the same numbered line if also listed on Emissions Tables & Stack Table.

Unit Number and Description ¹		Manufacturer	Model #	Serial #	Manufacture Date	Installation Date	Modification Date ²	Process Rate or Capacity (Hp, kW, Btu, ft ³ , lbs, tons, yd ³ , etc.) ³	Fuel Type
Ex. 1.	Generator	Unigen	B-2500	A567321 C	7/1996	7/1997	11/2020	250 Hp/HR	Diesel
Ex. 2.	Spray Gun	HVLP Systems	Spra-N-Stay 1100	K26-56- 95	01/2017	11/2017	N/A	0.25 gal./HR	Electric Compressor
ID 19190 GEN-1	Emergency Generator	Generac	F4GE9455A*J	TBD	TBD	TBD	TBD	93 BHP	Diesel
								/	
								/	
								/	
								/	
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								/	
								/	

NOTE: To add extra rows in Word, click anywhere in the last row. A plus (+) sign should appear on the bottom right corner of the row. Click the plus (+) sign to add a row. Repeat as needed.

- Unit numbers must correspond to unit numbers in the previous permit unless a complete cross reference table of all units in both permits is provided.
- To determine whether a unit has been modified, evaluate if changes have been made to the unit that impact emissions or that trigger modification as defined in 20.11.41.7(U) NMAC. If not, put N/A.
- Basis for Equipment Process Rate or Capacity (e.g., Manufacturer's Data, Field Observation/Test, etc.) **Manufacturer Specification, AP-42, CARB NO_x/NMHC fraction Table D-25.**
Submit information for each unit as an attachment.

**Application for Air Pollutant Sources in Bernalillo County
Source Registration (20.11.40 NMAC) and Construction Permits (20.11.41 NMAC)**

Emissions Control Equipment Table

Control Equipment Units listed on this Table should either match up to the same Unit number as listed on the Regulated Emission Sources, Controlled Emissions and Stack Parameters Tables (if the control equipment is integrated with the emission unit) or should have a distinct Control Equipment Unit Number and that number should then also be listed on the Stack Parameters Table.

Control Equipment Unit Number and Description	Controlling Emissions for Unit Number(s)	Manufacturer	Model # Serial #	Date Installed	Controlled Pollutant(s)	% Control Efficiency ¹	Method Used to Estimate Efficiency	Rated Process Rate or Capacity or Flow
Ex. 8b Baghouse	3,4,5	Best Baghouses	C-12010 A16925	11/12/2019	PM ₁₀ , PM _{2.5}	99%	Manufacturer's Data	1,500 ACFM
N/A – This facility does not have any emission control equipment.								

NOTE: To add extra rows in Word, click anywhere in the last row. A plus (+) sign should appear on the bottom right corner of the row. Click the plus (+) sign to add a row. Repeat as needed.

1. Basis for Control Equipment % Efficiency (e.g., Manufacturer's Data, Field Observation/Test, AP-42, etc.). _____
Submit information for each unit as an attachment.

**Application for Air Pollutant Sources in Bernalillo County
Source Registration (20.11.40 NMAC) and Construction Permits (20.11.41 NMAC)**

Exempted Sources and Exempted Activities Table

See 20.11.41 NMAC for exemptions.

Unit Number and Description		Manufacturer	Model #	Serial #	Manufacture Date	Installation Date	Modification Date ¹	Process Rate or Capacity (Hp, kW, Btu, ft ³ , lbs, tons, yd ³ , etc.) ²	Fuel Type
Ex. 1.	Boiler	Unigen	B-2500	A567321C	7/1996	7/1997	11/2020	3.5 MMBtu/HR	Natural Gas
Ex. 2.	Hot Water Heater	HVLP Systems	6500A	K26-56-95	01/2017	11/2017	N/A	80 gal./HR	Natural Gas
N/A – There is no exempted sources at this facility.									
								/	
								/	

NOTE: To add extra rows in Word, click anywhere in the last row. A plus (+) sign should appear on the bottom right corner of the row. Click the plus (+) sign to add a row. Repeat as needed.

- To determine whether a unit has been modified, evaluate if changes have been made to the unit that impact emissions or that trigger modification as defined in 20.11.41.7(U) NMAC. Also, consider if any changes that were made alter the status from exempt to non-exempt. If not, put N/A.
- Basis for Equipment Process Rate or Capacity (e.g., Manufacturer’s Data, Field Observation/Test, etc.) _____
Submit information for each unit as an attachment.

**Application for Air Pollutant Sources in Bernalillo County
Source Registration (20.11.40 NMAC) and Construction Permits (20.11.41 NMAC)**

Uncontrolled Emissions Table

(Process potential under physical/operational limitations during a 24 hr/day and 365 day/year = 8760 hrs)

Regulated Emission Units listed on this Table should match up to the same numbered line and Unit as listed on the Regulated Emissions and Controlled Tables. List total HAP values per Emission Unit if overall HAP total for the facility is ≥ 1 ton/yr.

Unit Number*	Nitrogen Oxides (NO _x)		Carbon Monoxide (CO)		Nonmethane Hydrocarbons/Volatile Organic Compounds (NMHC/VOCs)		Sulfur Dioxide (SO ₂)		Particulate Matter ≤ 10 Microns (PM ₁₀)		Particulate Matter ≤ 2.5 Microns (PM _{2.5})		Hazardous Air Pollutants (HAPs)		Method(s) used for Determination of Emissions (AP-42, Material Balance, Field Tests, etc.)
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	
Example 1.	27.7	121.3	9.1	39.9	1.3	5.7	0.5	2.2	2.0	8.8	0.2	0.4	0.2	0.4	AP-42 Section 3.3
19190 GEN-1	0.63	2.76	0.21	0.93	0.03	0.15	0.20	0.88	0.05	0.22	0.05	0.22	0.004	0.019	Manufacturer Specification, AP-42, CARB NO_x/NMHC factors.
Totals of Uncontrolled Emissions	0.63	2.76	0.21	0.93	0.03	0.15	0.20	0.88	0.05	0.22	0.05	0.22	0.004	0.019	

NOTE: To add extra rows in Word, click anywhere in the second-to-last row. A plus (+) sign should appear on the bottom right corner of the row. Click the plus (+) sign to add a row. Repeat as needed.

*A permit is required and this application along with the additional checklist information requested on the Permit Application checklist must be provided if:

- (1) any one of these process units or combination of units, has an uncontrolled emission rate greater than or equal to (\geq) 10 lbs/hr or 25 tons/yr for any of the above pollutants, excluding HAPs, based on 8,760 hours of operation; or
- (2) any one of these process units or combination of units, has an uncontrolled emission rate ≥ 2 tons/yr for any single HAP or ≥ 5 tons/yr for any combination of HAPs based on 8,760 hours of operation; or
- (3) any one of these process units or combination of units, has an uncontrolled emission rate ≥ 5 tons/yr for lead (Pb) or any combination of lead and its compounds based on 8,760 hours of operation; or
- (4) any one of the process units or combination of units is subject to an Air Board or federal emission limit or standard.

* If all of these process units, individually and in combination, have an uncontrolled emission rate less than ($<$) 10 lbs/hr or 25 tons/yr for all of the above pollutants (based on 8,760 hours of operation), but > 1 ton/yr for any of the above pollutants, then a source registration is required. A Registration is required, at minimum, for any amount of HAP emissions. Please complete the remainder of this form.

**Application for Air Pollutant Sources in Bernalillo County
Source Registration (20.11.40 NMAC) and Construction Permits (20.11.41 NMAC)**

Controlled Emissions Table

(Based on current operations with emission controls OR requested operations with emission controls)

Regulated Emission Units listed on this Table should match up to the same numbered line and Unit as listed on the Regulated Emissions and Uncontrolled Tables. List total HAP values per Emission Unit if overall HAP total for the facility is ≥ 1 ton/yr.

Unit Number	Nitrogen Oxides (NO _x)		Carbon Monoxide (CO)		Nonmethane Hydrocarbons/Volatile Organic Compounds (NMHC/VOCs)		Sulfur Dioxide (SO ₂)		Particulate Matter ≤ 10 Microns (PM ₁₀)		Particulate Matter ≤ 2.5 Microns (PM _{2.5})		Hazardous Air Pollutants (HAPs)		Control Method	% Efficiency ¹
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr		
Example 1.	27.7	55.4	9.1	18.2	1.3	2.6	0.5	1.0	2.0	4.0	0.2	0.088	0.2	0.088	Operating Hours	N/A
19190 GEN-1	0.63	0.06	0.21	0.02	0.03	0.003	0.20	0.02	0.05	0.005	0.05	0.005	0.004	0.0004	200	NA
Totals of Controlled Emissions	0.63	0.06	0.21	0.02	0.03	0.003	0.20	0.02	0.05	0.005	0.05	0.005	0.004	0.0004		

NOTE: To add extra rows in Word, click anywhere in the second-to-last row. A plus (+) sign should appear on the bottom right corner of the row. Click the plus (+) sign to add a row. Repeat as needed.

1. Basis for Control Method % Efficiency (e.g., Manufacturer's Data, Field Observation/Test, AP-42, etc.). **Manufacturer Specification, AP-42, CARB NO_x/NMHC fraction Table D-25.** Submit information for each unit as an attachment.

**Application for Air Pollutant Sources in Bernalillo County
Source Registration (20.11.40 NMAC) and Construction Permits (20.11.41 NMAC)**

Hazardous Air Pollutants (HAPs) Emissions Table

Report the Potential Emission Rate for each HAP from each source on the Regulated Emission Sources Table that emits a given HAP. Report individual HAPs with ≥ 1 ton/yr total emissions for the facility on this table. Otherwise, report total HAP emissions for each source that emits HAPs and report individual HAPs in the accompanying application package in association with emission calculations. If this application is for a Registration solely due to HAP emissions, report the largest HAP emissions on this table and the rest, if any, in the accompanying application package.

Unit Number	Total HAPs															
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
Example 1.	6.3	18.2	3.2	8.5	2.3	7.7	0.5	1.0	0.3	1.0	N/A	N/A	N/A	N/A	N/A	N/A
19190 GEN -1	0.004	0.0004														
Totals of HAPs for all units:	0.004	0.0004														

NOTE: To add extra rows in Word, click anywhere in the second-to-last row. A plus (+) sign should appear on the bottom right corner of the row. Click the plus (+) sign to add a row. Repeat as needed.

Use Instructions: Copy and paste the HAPs table here if need to list more individual HAPs.

**Application for Air Pollutant Sources in Bernalillo County
Source Registration (20.11.40 NMAC) and Construction Permits (20.11.41 NMAC)**

Purchased Hazardous Air Pollutant Table*

Product Categories (Coatings, Solvents, Thinners, etc.)	Hazardous Air Pollutant (HAP), or Volatile Hazardous Air Pollutant (VHAP) Primary To The Representative As Purchased Product	Chemical Abstract Service (CAS) Number of HAP or VHAP from Representative As Purchased Product	HAP or VHAP Concentration of Representative As Purchased Product (pounds/gallon, or %)	Concentration Determination (CPDS, SDS, etc.) ¹	Total Product Purchases For Category	(-)	Quantity of Product Recovered & Disposed For Category	(=)	Total Product Usage For Category
Example 1. Surface Coatings	Xylene	1330207	4.0 lbs/gal	SDS	lb/yr	(-)	lb/yr	(=)	lb/yr
					100 gal/yr		0 gal/yr		100 gal/yr
Example 2. Cleaning Solvents	Toluene	108883	70%	Product Label	lb/yr	(-)	lb/yr	(=)	lb/yr
					200 gal/yr		50 gal/yr		150 gal/yr
N/A – This facility does not purchase any direct hazardous air pollutant source material.									
2.					lb/yr	(-)	lb/yr	(=)	lb/yr
					gal/yr		gal/yr		gal/yr
3.					lb/yr	(-)	lb/yr	(=)	lb/yr
					gal/yr		gal/yr		gal/yr
					gal/yr		gal/yr		gal/yr
TOTALS					lb/yr	(-)	lb/yr	(=)	lb/yr
					gal/yr		gal/yr		gal/yr

NOTE: To add extra rows in Word, click anywhere in the second-to-last row. A plus (+) sign should appear on the bottom right corner of the row. Click the plus (+) sign to add a row. Repeat as needed.

NOTE: Product purchases, recovery/disposal and usage should be converted to the units listed in this table. If units cannot be converted please contact the Air Quality Program prior to making changes to this table.

1. Submit, as an attachment, information on one (1) product from each Category listed above which best represents the average of all the products purchased in that Category. CPDS = Certified Product Data Sheet; SDS = Safety Data Sheet

*** A Registration is required, at minimum, for any amount of HAP or VHAP emission.**

Emissions from purchased HAP usage should be accounted for on previous tables as appropriate.

A permit may be required for these emissions if the source meets the requirements of 20.11.41 NMAC.

**Application for Air Pollutant Sources in Bernalillo County
Source Registration (20.11.40 NMAC) and Construction Permits (20.11.41 NMAC)**

Material and Fuel Storage Table

(E.g., Tanks, barrels, silos, stockpiles, etc.)

Storage Equipment		Product Stored	Capacity (bbls, tons, gals, acres, etc.)	Above or Below Ground	Construction (Welded, riveted) & Color	Installation Date	Loading Rate ¹	Offloading Rate ¹	True Vapor Pressure	Control Method	Seal Type	% Eff. ²
Ex. 1.	Tank	Diesel Fuel	5,000 gal.	Below	Welded/Brown	3/1993	3,000 gal/hr	500 gal/hr	N/A	N/A	N/A	N/A
Ex. 2.	Barrels	Solvent	55 gal. drum	Above	Welded/Green	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A – The facility does not have any material and fuel storage table												

NOTE: To add extra rows in Word, click anywhere in the last row. A plus (+) sign should appear on the bottom right corner of the row. Click the plus (+) sign to add a row. Repeat as needed.

1. Basis for Loading/Offloading Rate (*e.g.*, Manufacturer’s Data, Field Observation/Test, etc.). _____
Submit information for each unit as an attachment.
2. Basis for Control Method % Efficiency (*e.g.*, Manufacturer’s Data, Field Observation/Test, AP-42, etc.). _____
Submit information for each unit as an attachment.

**Application for Air Pollutant Sources in Bernalillo County
Source Registration (20.11.40 NMAC) and Construction Permits (20.11.41 NMAC)**

Stack Parameters Table

If any equipment from the Regulated Emission Sources Table is also listed in this Stack Table, use the same numbered line for the emission unit on both tables to show the association between the Process Equipment and its stack.

Unit Number and Description		Pollutant (CO, NO _x , PM ₁₀ , etc.)	UTM Easting (m)	UTM Northing (m)	Stack Height (ft)	Stack Exit Temp. (°F)	Stack Velocity (fps)	Stack Flow Rate (acfm)	Stack Inside Diameter (ft)	Stack Type
Ex. 1.	Generator	CO, NO _x , PM ₁₀ , PM _{2.5} , SO ₂	349430.28	3884014.64	18	900 °F	150 fps	4524 acfm	0.8	Rain Cap
Ex. 2.	Spray Gun	PM ₁₀ , xylene, toluene	348540.1	3882928.5	9.2	Ambient	50 fps	589 acfm	0.5	Vertical
19190 GEN-1	Emergency Generator	NO_x, CO, SO₂, PM, NMHC	358493 m	3880393 m	6.18	930 °F	181.31 fps	534 cfm	0.25	Horizontal
										Select

NOTE: To add extra rows in Word, click anywhere in the last row. A plus (+) sign should appear on the bottom right corner of the row. Click the plus (+) sign to add a row. Repeat as needed.

Notes:

**Application for Air Pollutant Sources in Bernalillo County
Source Registration (20.11.40 NMAC) and Construction Permits (20.11.41 NMAC)**

Certification

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.bernco.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 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 8th day of June, 20 23

Jason F. Vattioni, Colonel, USAF

Print Name

Commander, 377th Air Base Wing

Print Title

VATTIONI.JASON.F. 1170028640

Signature

Digitally signed by
VATTIONI.JASON.F.1170028640
Date: 2023.06.08 08:50:35 -06'00'

Role: Owner Operator

Other Authorized Representative

**Application for Air Pollutant Sources in Bernalillo County
Source Registration (20.11.40 NMAC) and Construction Permits (20.11.41 NMAC)**

A.5 Facility Location and Aerial Photograph



Blvd SE

Gibson Blvd SE

Gibson Blvd SE

Gibson Blvd SE

Gibson Blvd SE

Tina Y. Bryant, LMSW

Wyoming Blvd SE

Wyoming Blvd SE

2nd St SE

Jacob Oldham

Generator

2nd St SE

Frost Ave SE

Frost Ave SE

Frost Ave SE

States Service

4th St SE

KAFB Fire station 1

Wyoming Blvd S

PRS Technica

Google

A.6 Zoning Requirement



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



**Construction Permit (20.11.41 NMAC)
Zoning Requirement Cover Letter**

This Cover Letter Must Be Returned With The Application Along With All Required Attachments

The Albuquerque-Bernalillo County Joint Air Quality Program, which 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 (“Department”).

Any person seeking a new air quality permit or a permit modification under 20.11.41 NMAC (Construction Permits) shall provide documentary proof that the proposed air quality permitted use of the facility’s subject property is allowed by the zoning designation of the City or County zoning laws, as applicable. Sufficient documentation may include (i) a zoning certification from the City Planning Department or County Department of Planning and Development Services, as applicable, if the applicant is subject to City or County zoning jurisdiction; or (ii) a zoning verification from both planning departments if the applicant is not subject to City or County zoning jurisdiction. A zone atlas map shall not be sufficient. At this time, applicants are not required to submit documentation for the subject property’s zoning designation when applying for an emergency permit, a new portable stationary source, a relocation of a portable stationary source, or a technical or administrative revision to an existing permit.

The Department will rule an application administratively incomplete if it is missing or has incorrect information. If the Department has ruled an application administratively incomplete three (3) times, the Department will deny the permit application. Any fees submitted for processing an application that has been denied will not be refunded. If the Department 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.

The Department may require additional information that is necessary to make a thorough review of an application. At all times before the Department 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 Department. 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 Department’s review and decision. While the Department is processing an application, regardless of whether the Department has determined the application is administratively complete, if the Department determines that additional information is necessary to evaluate or make a final decision regarding the application, the Department may request additional information and the applicant shall provide the requested additional information.

NOTICE REGARDING SCOPE OF A PERMIT: The 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 Planning Department or 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 Planning Department website at <https://www.cabq.gov/planning> and the County Department of Planning and Development Services website at <https://www.bernco.gov/planning>.

Corporate and Facility Information: This information shall match the information in the permit application.

Air Quality Permit Applicant Company Name: U.S. Air Force - Kirtland Air Force Base (KAFB)			
Facility Name: Base Defense Operations Center (BDOC)			
Facility Physical Address: 8500 Gibson Blvd SE, Kirtland AFB	City: Albuquerque	State: NM	Zip: 87117
Facility Legal Description: (LAND ONLY) TR OF LAND WITHIN T10N R4E SEC 31 CONT 565 AC +-			

General Operation Information: This information shall match the information in the permit application.

Permitting action being requested (please refer to the definitions in 20.11.41 NMAC):

- New Permit Permit Modification, Current Permit #:

Attachment Information: The location information provided to the City Planning Department or County Department of Planning and Development Services, as applicable, and reflected in the zoning certification or verifications, as applicable, shall be the same as the Facility location information provided to the Department in the air quality construction permit application.

<input type="checkbox"/> Zoning Certification Provided by: Choose an item. <i>This is a use-specific certification.</i> City Planning Form: https://www.cabq.gov/planning/code-enforcement-zoning County Planning Form: https://www.bernco.gov/planning/planning-and-land-use/applications-forms/	<input checked="" type="checkbox"/> City Zoning Verification <input checked="" type="checkbox"/> County Zoning Verification City Planning Form: https://www.cabq.gov/planning/code-enforcement-zoning County Planning Form: https://www.bernco.gov/planning/planning-and-land-use/applications-forms/
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ZONING VERIFICATION REQUEST

OVERVIEW

HELPFUL HINTS

- Make sure the property is located within the Albuquerque city limits prior to requesting a verification statement.
- Provide the legal description of the property and/or the Uniform Property Code (UPC) number. This information helps staff to identify the property and expedite your request.
- Verification statements are processed in the order that they are received. Depending upon division workload and service demands, verification statements may take up to seven (7) days to complete.

For more information, contact:

City of Albuquerque
Planning Department

Phone: (505) 924-3450

(505) 924-3860

www.cabq.gov/planning



Code Compliance Manager:
Andrew Garcia

What is a zoning verification statement?

A zoning verification statement is written confirmation provided by the city to confirm the current zoning designation of a particular piece of property.

What type of information is provided in a zoning verification statement?

Verification statements contain the following information:

- The assigned address of the subject site
- The legal description of the property
- The zoning designation of the property
- The overlay district or sector plan affecting the property, if applicable

Zoning verification statements **DO NOT** include the following:

- Confirmation of the existing development's compliance with current zoning code requirements*, conformance/non-conformance of existing uses or structures, or reference to building or fire codes
- Copies of site plans, special exceptions, certificates or other approvals
- The zoning designations of abutting or nearby properties
- Reference to existing zoning code violations

**Written confirmation of a property's compliance with current zoning standards, reference to nonconformance/rebuild allowances, and/or types of permitted development on a property are provided through our ZONAL CERTIFICATION process.*

How do I obtain a zoning verification statement?

Complete the form on the reverse side of this brochure and return it to:

City of Albuquerque – Code Enforcement Division
600 2nd St. NW, Suite 500
Albuquerque, New Mexico 87102
(505) 924-3847

THERE IS NO FEE FOR A ZONING VERIFICATION STATEMENT

SELF-HELP RESOURCES

- **Zoning Code.** If you would like to view and/or obtain copies of the Comprehensive City Zoning Code, please visit the following website:
 - o http://www.amlegal.com/albuquerque_nm/
- **Recorded Documents.** If you would like copies of official recorded documents such as site plans, special exceptions or certificates of occupancy, please make a Freedom of Information Act (FOIA) request to:
 - o cityclerk@cabq.gov
- **GIS Data.** If you would like mapping or geographic information, please visit the following website:
 - o www.cabq.gov/gis/advanced-map-viewer
- **Related City Agencies.** If you would like information on City of Albuquerque building codes, fire codes or other development standards, please visit the following website:
 - o www.cabq.gov

ZONING VERIFICATION REQUEST

DID YOU REMEMBER TO...

- Verify that the property is located within the city limits?
- Provide the legal description of the property and/or the Uniform Property Code (UPC) number?
- Submit your request at least seven (7) days before the verification statement is needed?



City of Albuquerque
PO Box 1293
Albuquerque, New Mexico 87103
www.cabq.gov

SUBJECT PROPERTY

8500 Gibson Blvd SE, Kirtland AFB, Albuquerque, NM 87117

ADDRESS

Unplatted/Kirtland AFB 0000 Unplatted/US Gov.

LOT

BLOCK

SUBDIVISION

101905528724540141L1

UPC

OWNER OF RECORD

APPLICANT INFORMATION

Base Defense Operation Center (BDOC)

NAME

U.S. Air Force - Kirtland Air Force Base (KAFB)

COMPANY / ORGANIZATION

8500 Gibson Blvd SE, Kirtland AFB, Albuquerque, NM 87117

ADDRESS

(505) 846-8546

isreal.tavarez@us.af.mil

PHONE

EMAIL

STATEMENT DETAILS

ADDRESS THE STATEMENT TO:

SAME AS APPLICANT

NAME

COMPANY / ORGANIZATION

ADDRESS

PHONE

FAX

EMAIL

FOR STAFF USE ONLY

DATE RECEIVED: 4/19/2023

RECEIVED BY: Cassandra V. torin

ZAP: _____

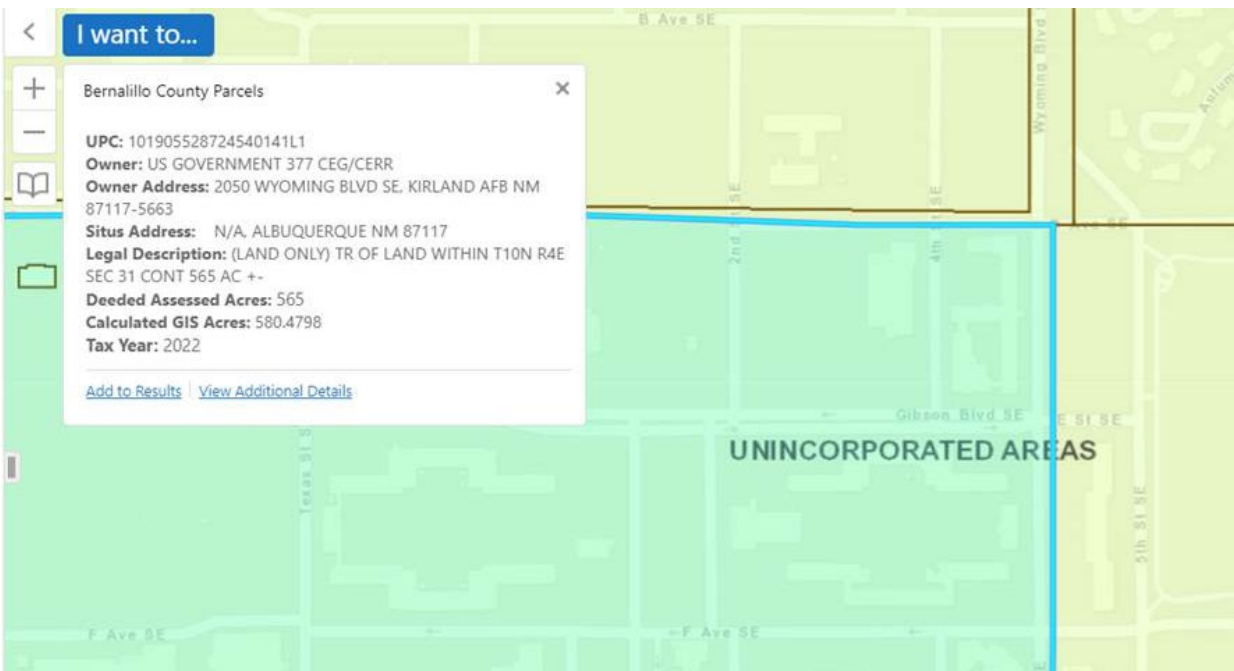
ZONE: _____

From: [Adam Erenstein](#)
To: [Atiqur Rahman](#)
Subject: FW: 8500 Gibson SE - Zone Verification
Date: Wednesday, April 19, 2023 3:10:43 PM
Attachments: [8500 Gibson SE - Zone Verification.pdf](#)

From: Delgado, Geraldine C. <gdelgado@cabq.gov>
Sent: Wednesday, April 19, 2023 2:47 PM
To: Adam Erenstein <AErenstein@trinityconsultants.com>
Subject: 8500 Gibson SE - Zone Verification

Hello,

See map below as property address is in the Unincorporated Area of the City.



Thank you,



Geraldine Delgado
Senior Administrative Assistant
Office 505.924.3463
cabq.gov/planning

CAUTION: This email originated from outside of the Trinity Consultants organization. Do not click links or open attachments unless you recognize the sender's name, sender's email address and know the content is safe.

BERNALILLO COUNTY

Planning & Development Services
415 Silver Ave. SW, 2nd Floor
Albuquerque, NM 87102
(505) 314-0350 Fax: (505) 314-0480
www.bernco.gov



ZONING SECTION

REQUEST FOR STATEMENT OF ZONAL CERTIFICATION/ VERIFICATION (ZNP)

PROPERTY OWNER'S NAME	U.S. Air Force - Kirtland Air Force Base (KAFB)			PHONE	(505) 846-8546
OWNER'S ADDRESS	377 MSG/ CEIEC, 2050 Wyoming Blvd SE, Ste A-116B, KAFB	CITY	Albuquerque	STATE NM	ZIP 87117-5270

APPLICANT'S NAME	Base Defense Operation Center (BDOC)			PHONE	(505) 846-8546
APPLICANT'S ADDRESS	8500 Gibson Blvd SE, Kirtland AFB	CITY	Albuquerque	STATE NM	ZIP 87117

SITE ADDRESS 8500 Gibson Blvd SE, Kirtland AFB, Albuquerque, NM 87117					
DIRECTIONS Turn left at the 2nd cross street onto D ave SE while drive north on Wyoming Blvd SE, turn left onto 4th St SE, the facility is on the left.					
LEGAL DESCRIPTION (LAND ONLY) TR OF LAND WITHIN T10N R4E SEC 31 CONT 565 AC +-					
ZONE MAP	U.S. Air Force	CURRENT ZONE(S)	Kirtland AFB	PROPERTY SIZE IN ACREAGE	565.00
UPC #	101905528724540141L1				
EXISTING BUILDING & USE Defense Operation Center					

STATEMENT INFORMATION:
(check one)

GENERAL VERIFICATION
No charge

USE-SPECIFIC CERTIFICATION
(please explain) \$45.00

Addition of an emergency generator _____

STATEMENT SHOULD BE ADDRESSED TO:

NAME Isreal Tavarez					
MAILING ADDRESS	8500 Gibson Blvd SE, Kirtland AFB	CITY	Albuquerque	STATE NM	ZIP 87117

ALL CERTIFICATION/ VERIFICATION STATEMENTS WILL BE SENT BY MAIL UNLESS OTHERWISE NOTED:

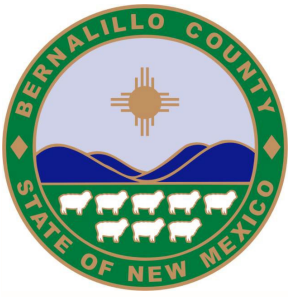
___ Fax a copy to _____

___ Contact when completed; applicant will pick up certification statement

X E-Mail to isreal.tavarez@us.af.mil , aerenstein@trinityconsultants.com

Applicant's signature

Date



County of Bernalillo
State of New Mexico
Planning & Development Services Department

415 Silver Ave. SW, 2nd Floor
Albuquerque, New Mexico 87102
Office: (505) 314-0350 Fax: (505) 314-0480
www.bernco.gov

April 20, 2023

US GOVERNMENT
2050 WYOMING BLVD SE
Albuquerque NM, 87106

Re: Bernalillo County zoning regulations and federally owned parcels

To Whom It May Concern:

This letter shall certify that Bernalillo County zoning regulations are not applicable to U.S. Federal Government nor U.S. Federal Government entity owned properties. This includes properties located within the boundary of Kirtland Air Force Base. Bernalillo County is willing to assist federal entities with necessary permits, building permits for example, if approached by a federal entity.

This certification statement only references the applicability of the Zoning Ordinance as it applies to the aforementioned properties.

Do not hesitate to contact me if you have questions concerning this matter at 314-0499 or at mgould@bernco.gov.

Sincerely,

Maggie Gould
Acting Zoning Administrator

Cc: Isreal Tavaréz isreal.tavarez@us.af.mil
aerenstein@trinityconsultants.com

COMMISSIONERS

Adriann Barboa, Chair, District 3 *Walt Benson, Vice-Chair, District 4*
Debbie O'Malley, District 1 *Steven Michael Quezada, District 2* *Charlene E. Pyskoty, District 5*

ELECTED OFFICIALS

Tanya R. Giddings, Assessor *Linda Stover, Clerk* *Cristy J. Carbón-Gaul, Probate Judge* *Manuel Gonzales III, Sheriff* *Nancy M. Bearce, Treasurer*

COUNTY MANAGER

Julie Morgas Baca

A.7 Public Notice and Public Posting

From: [MUNOZ-DYER, CARINA G CIV USAF AFGSC 377 MSG/CEIEC](#)
Cc: [TAVAREZ, ISREAL L CIV USAF AFGSC 377 MSG/CEIE](#)
Bcc: info@willsonstudio.com; mandy@theremedydayspa.com; sp-wonderwoman@comcast.net; elderhomesteadna@gmail.com; siesta2napres@gmail.com; alyceice@gmail.com; landry54@msn.com
Subject: Public Notice of Proposed Air Quality Construction Permit Application
Date: Monday, June 12, 2023 3:28:00 PM
Attachments: [KAFB_BDOC_NSR_NOI_PN.pdf](#)

Dear Neighborhood Association/Coalition Representative(s),

Why did I receive this public notice?

You are receiving this notice in accordance with New Mexico Administrative Code (NMAC) 20.11.41.13.B(1) which requires any applicant seeking an Air Quality Construction Permit pursuant to 20.11.41 NMAC to provide public notice by certified mail or electronic mail to the designated representative(s) of the recognized neighborhood associations and recognized coalitions that are within one-half mile of the exterior boundaries of the property on which the source is or is proposed to be located.

What is the Air Quality Permit application review process?

The City of Albuquerque, Environmental Health Department, Air Quality Program (Program) is responsible for the review and issuance of Air Quality Permits for any stationary source of air contaminants within Bernalillo County. Once the application is received, the Program reviews each application and rules it either complete or incomplete. Complete applications will then go through a 30-day public comment period. Within 90 days after the Program has ruled the application complete, the Program shall issue the permit, issue the permit subject to conditions, or deny the requested permit or permit modification. The Program shall hold a Public Information Hearing pursuant to 20.11.41.15 NMAC if the Director determines there is significant public interest and a significant air quality issue is involved.

What do I need to know about this proposed application?

Applicant Name	U.S. Air Force – Kirtland Air Force Base
Site or Facility Name	Base Defense Operations Center
Site or Facility Address	8500 Gibson Blvd. SE, KAFB, Albuquerque, NM 87117
New or Existing Source	New Emergency Generator
Anticipated Date of Application Submittal	June 12, 2023
Summary of Proposed Source to Be Permitted	The application is to construct a Generac 93 horsepower, EPA Tier III emission certified, diesel-fired internal combustion engine. The application seeks to restrict the unit to 200 hours per year of operation. The purpose of the unit is to provide emergency backup electrical power in the case of the unavoidable loss of commercial power.

What emission limits and operating schedule are being requested?

See attached Notice of Intent to Construct form for this information.

How do I get additional information regarding this proposed application?

For inquiries regarding the proposed source, contact:

- Kirtland Air Force Base Public Affairs Office
- 377ABW.PA@us.af.mil
- (505) 846-5991

For inquiries regarding the air quality permitting process, contact:

- City of Albuquerque Environmental Health Department Air Quality Program
- aqd@cabq.gov

Carina G. Munoz-Dyer, Program Manager
377 MSG/CEIEC, Air Quality
2050 Wyoming Blvd SE, B20685
Kirtland AFB, NM 87117
Carina.munoz-dyer@us.af.mil
DSN 246-8781 – Office 505-846-8781

NOTICE FROM THE APPLICANT

Notice of Intent to Apply for Air Quality Construction Permit

You are receiving this notice because the New Mexico Air Quality Control Act (20.11.41.13B NMAC) requires any owner/operator proposing to construct or modify a facility subject to air quality regulations to provide public notice by certified mail or electronic mail to designated representatives of recognized neighborhood associations and coalitions within 0.5-mile of the property on which the source is or is proposed to be located.

This notice indicates that the owner/operator intends to apply for an Air Quality Construction Permit from the Albuquerque – Bernalillo County Joint Air Quality Program. Currently, no application for this proposed project has been submitted to the Air Quality Program. Applicants are required to include a copy of this form and documentation of mailed notices with their Air Quality Construction Permit Application.

Proposed Project Information

**Applicant's name
and address:**

*Nombre y domicilio del
solicitante:*

U.S. Air Force - Kirtland Air Force Base (AFB)
8500 Gibson Blvd SE, Kirtland AFB, Albuquerque, NM 87117

**Owner / operator's
name and address:**

*Nombre y domicilio del
propietario u operador:*

U.S. Air Force - Kirtland AFB
377 MSG/ CEIEC, 2050 Wyoming Blvd SE, Suite A-116B
Kirtland AFB, Albuquerque, NM 87117-5270

Contact for comments and inquires:

Datos actuales para comentarios y preguntas:

Name (*Nombre*): Isreal Tavarez, Chief, Environmental Management

Address (*Domicilio*): 377 MSG/ CEIEC, 2050 Wyoming Blvd SE, Suite A-116B, Kirtland AFB, Albuquerque, NM 87117

Phone Number (*Número Telefónico*): (505) 846-8546

E-mail Address (*Correo Electrónico*): isreal.tavarez@us.af.mil

Actual or estimated date the application will be submitted to the department:

Fecha actual o estimada en que se entregará la solicitud al departamento: June 12, 2023

Description of the source:

Descripción de la fuente: Diesel-Fired Emergency Generator

**Exact location of the source
or proposed source:**

*Ubicación exacta de la fuente o
fuente propuesta:*

Base Defense Operations Center
8500 Gibson Blvd SE, Kirtland AFB, Albuquerque, NM 87117

Nature of business:

Tipo de negocio:

National Security

**Process or change for which the
permit is requested:**

*Proceso o cambio para el cuál de solicita el
permiso:*

Addition of an emergency generator to the facility

Maximum operating schedule:

Horario máximo de operaciones:

8760 hr/yr

Normal operating schedule:

Horario normal de operaciones:

200 hr/yr

Preliminary estimate of the maximum quantities of each regulated air contaminant the source will emit:
Estimación preliminar de las cantidades máximas de cada contaminante de aire regulado que la fuente va a emitir:

Air Contaminant <i>Contaminante de aire</i>	Proposed Construction Permit <i>Permiso de Construcción Propuesto</i>		Net Changes (for permit modification or technical revision) <i>Cambio Neto de Emisiones</i> <i>(para modificación de permiso o revisión técnica)</i>	
	pounds per hour <i>libras por hora</i>	tons per year <i>toneladas por año</i>	pounds per hour <i>libras por hora</i>	tons per year <i>toneladas por año</i>
NO_x	0.63	0.06	-	-
CO	0.21	0.02	-	-
VOC	0.03	0.003	-	-
SO₂	0.20	0.02	-	-
PM₁₀	0.05	0.005	-	-
PM_{2.5}	0.05	0.005	-	-
HAP	0.004	0.0004	-	-

NOTE: To add extra rows for H₂S or Pb in Word, click in a box in the last row. Click the plus (+) sign that appears on the right of the row to add a row.

Questions or comments regarding this Notice of Intent should be directed to the Applicant. Contact information is provided with the Proposed Project Information on the first page of this notice. To check the status of an Air Quality Construction Permit application, call 311 and provide the Applicant’s information, or visit www.cabq.gov/airquality/air-quality-permits.

The Air Quality Program will issue a Public Notice announcing a 30-day public comment period on the permit application for the proposed project when the application is deemed complete. The Air Quality Program does not process or issue notices on applications that are deemed incomplete. More information about the air quality permitting process is attached to this notice.

Air Quality Construction Permitting Overview

This is the typical process to obtain an Air Quality Construction Permit for Synthetic Minor and Minor sources of air pollution from the Albuquerque – Bernalillo County Joint Air Quality Program.

Step 1: Pre-application Meeting: The Applicant and their consultant must request a meeting with the Air Quality Program to discuss the proposed action. If air dispersion modeling is required, Air Quality Program staff discuss the modeling protocol with the Applicant to ensure that all proposed emissions are considered.

Notice of Intent from the Applicant: Before submitting their application, the Applicant is required to notify all nearby neighborhood associations and interested parties that they intend to apply for an air quality permit or modify an existing permit. The Applicant is also required to post a notice sign at the facility location.

Step 2: Administrative Completeness Review and Preliminary Technical Review: The Air Quality Program has 30 days from the day the permit is received to review the permit application to be sure that it is administratively complete. This means that all application forms must be signed and filled out properly, and that all relevant technical information needed to evaluate any proposed impacts is included. If the application is not complete, the permit reviewer will return the application and request more information from the Applicant. Applicants have three opportunities to submit an administratively complete application with all relevant technical information.

Public Notice from the Department: When the application is deemed complete, the Department will issue a Public Notice announcing a 30-day public comment period on the permit application. This notice is distributed to the same nearby neighborhood associations and interested parties that the Applicant sent notices to, and published on the Air Quality Program's website.

During this 30-day comment period, individuals have the opportunity to submit written comments expressing their concerns or support for the proposed project, and/or to request a Public Information Hearing. If approved by the Environmental Health Department Director, Public Information Hearings are held after the technical analysis is complete and the permit has been drafted.

Step 3: Technical Analysis and Draft Permit: Air Quality Program staff review all elements of the proposed operation related to air quality, and review outputs from advanced air dispersion modeling software that considers existing emission levels in the area surrounding the proposed project, emission levels from the proposed project, and meteorological data. The total calculated level of emissions is compared to state and federal air quality standards and informs the decision on whether to approve or deny the Applicant's permit.

Draft Permit: The permit will establish emission limits, standards, monitoring, recordkeeping, and reporting requirements. The draft permit undergoes an internal peer review process to determine if the emissions were properly evaluated, permit limits are appropriate and enforceable, and the permit is clear, concise, and consistent.

Public Notice from the Department: When the technical analysis is complete and the permit has been drafted, the Department will issue a second Public Notice announcing a 30-day public comment period on the technical analysis and draft permit. This second Public Notice, along with the technical analysis documentation and draft permit, will be published on the Air Quality Program's website, and the public notice for availability of the technical analysis and draft permit will only be directly sent to those who requested further information during the first comment period.

Air Quality Construction Permitting Overview

During this second 30-day comment period, residents have another opportunity to submit written comments expressing their concerns or support for the proposed project, and/or to request a Public Information Hearing.

Possible Public Information Hearing: The Environmental Health Department Director may decide to hold a Public Information Hearing for a permit application if there is significant public interest and a significant air quality issue. If a Public Information Hearing is held, it will occur after the technical analysis is complete and the permit has been drafted.

Step 4: Public Comment Evaluation and Response: The Air Quality Program evaluates all public comments received during the two 30-day public comment periods and Public Information Hearing, if held, and updates the technical analysis and draft permit as appropriate. The Air Quality Program prepares a response document to address the public comments received, and when a final decision is made on the permit application, the comment response document is published on the Air Quality Program's website and distributed to the individuals who participated in the permit process. If no comments are received, a response document is not prepared.

Step 5: Final Decision on the Application: After public comments are addressed and the final technical review is completed, the Environmental Health Department makes a final decision on the application. If the permit application meets all applicable requirements set forth by the New Mexico Air Quality Control Act and the federal Clean Air Act, the permit is approved. If the permit application does not meet all applicable requirements, it is denied.

Notifications of the final decision on the permit application and the availability of the comment response document is published on the Air Quality Program's website and distributed to the individuals who participated in the permit process.

The Department must approve a permit application if the proposed action will meet all applicable requirements and if it demonstrates that it will not result in an exceedance of ambient air quality standards. Permit writers are very careful to ensure that estimated emissions have been appropriately identified or quantified and that the emission data used are acceptable.

The Department must deny a permit application if it is deemed incomplete three times, if the proposed action will not meet applicable requirements, if estimated emissions have not been appropriately identified or quantified, or if the emission data are not acceptable for technical reasons.

For more information about air quality permitting, visit www.cabq.gov/airquality/air-quality-permits



Proposed Air Quality Construction Permit

Permiso de Construcción de Calidad del Aire Propuesto



- Applicant's Name:** U.S. Air Force - Kirtland Air Force Base
Nombre del solicitante:
Owner or Operator's Name: U.S. Air Force - Kirtland Air Force Base
Nombre del Propietario u Operador:
- Actual or Estimated Date the Application will be Submitted to the Department:** June 12, 2023
Fecha Actual o Estimada en que se Entregará la Solicitud al Departamento:
- Exact Location of the Source or Proposed Source:** 8500 Gibson Blvd. SE, Kirtland AFB, 87117
Ubicación Exacta de la Fuente o Fuente Propuesta:
- Description of the Source:** Diesel-Fired Emergency Generator
Descripción del Fuente:
Nature of Business: National Security
Tipo de Negocio:
Process or change for which a permit is requested:
Proceso o cambio para el cual se solicita el permiso: Adding a new emergency generator to facility.

Preliminary estimate of the maximum quantities of each regulated air contaminant the source will emit:
Estimación preliminar de las cantidades máximas de cada contaminante de aire regulado que la fuente va a emitir:

Air Contaminant Contaminante de Aire	Proposed Construction Permit Permiso de Construcción Propuesto		Net Change Emissions (for permit modification or technical revision) Cambio Neto de Emisiones (para modificación de permiso o revisión técnica)	
	Pounds per hour libras por hora	Tons per year toneladas por año	Pounds per hour libras por hora	Tons per year toneladas por año
CO	0.21	0.02	—	—
NOX	0.63	0.06	—	—
SO2	0.20	0.02	—	—
PM10	0.05	0.005	—	—
PM2.5	0.05	0.005	—	—
HAP	0.004	0.0004	—	—
VOC	0.03	0.003	—	—

- Maximum Operating Schedule:** 8760 Hours/year
Horario Máximo de Operaciones:
- Normal Operation Schedule:** 200 hours/year
Horario Normal de Operaciones:
- Current Contact Information for Comments and Inquiries**
Datos actuales para Comentarios y Preguntas
Name (Nombre): Isreal Tavarez, Chief, Environmental Management
Address (Domicilio): 577 MSG/CEIEC, 2050 Wyoming Blvd SE, Suite A-116B, Kirtland AFB, NM 87117
Phone Number (Número Telefónico): (505) 846-8546
Email Address (Correo Electrónico): isreal.tavarez@us.af.mil

Call 311 for additional information concerning this project, the Air Quality Program, or to file a complaint.
 Llame al 311 para obtener información adicional sobre este proyecto, del Programa de Calidad del Aire, o para presentar una queja.
 Gọi 311 để biết thêm thông tin hoặc để khiếu nại về dự án này, Chương Trình Chất Lượng Không Khí

City of Albuquerque, Environmental Health Department, Air Quality Program – Stationary Source Permitting
 Ciudad de Albuquerque, Departamento de Salud Ambiental, Programa de Calidad del Aire – Permisos para Fuentes Inmóviles
 (505) 768-1972, aqd@cabq.gov

THIS SIGN SHALL REMAIN POSTED UNTIL THE DEPARTMENT TAKES FINAL ACTION ON THE PERMIT APPLICATION
 ESTE AVISO DEBERÁ DE MANTENERSE PUESTO HASTA QUE EL DEPARTAMENTO TOMA UNA DECISIÓN SOBRE LA SOLICITUD DE PERMISO

NAVARRO RESEARCH AND ENGINEERING, INC.

1008046

OUR REF NO	YOUR INVOICE NO.	INVOICE DATE	INVOICE AMOUNT	AMOUNT PAID	DISCOUNT TAKEN	NET CHECK AMOUNT
273010	051023PERMIT	05/10/2023	\$3,942.00	\$3,942.00	\$.00	\$3,942.00
SUBTOTALS			\$3,942.00	\$3,942.00	\$.00	\$3,942.00
TOTALS			\$3,942.00	\$3,942.00	\$.00	\$3,942.00

1008046

NAVARRO RESEARCH AND ENGINEERING, INC.

1020 COMMERCE PARK DRIVE
OAK RIDGE, TN 37830
(865) 220-9650

TRUIST

87-4/640



DATE
05/10/2023

CONTROL NO.
001008046

AMOUNT
\$3,942.00

Three Thousand Nine Hundred Forty Two And 00/100 Dollars

PAY
TO THE
ORDER
OF

CITY OF ALBUQUERQUE ENVIRO HEALTH DEPT
AIR QUALITY PROGRAM
PO BOX 1293
ALBUQUERQUE, NM 87103



Suzanne Navarro Valero
AUTHORIZED SIGNATURE

Security features. Details on back.

