



Timothy M. Keller, Mayor

Environmental Health Department  
Air Quality Program  
Regulatory Review



Dr. Whitney Craig, Director

|                            |                                                                                                                                                                                                                                                                     |
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| <b>To:</b>                 | Permit File                                                                                                                                                                                                                                                         |
| <b>From:</b>               | Michael Anaya                                                                                                                                                                                                                                                       |
| <b>Subject:</b>            | <b>Permit Application #3090-RV1-EP</b>                                                                                                                                                                                                                              |
| <b>Date:</b>               | 08/10/2026                                                                                                                                                                                                                                                          |
| <b>Permit Description:</b> | Emergency Permit for Modification for Govt. Fuel Distribution Facility. Unit #1: Increase Throughput from 90,000 Gallons per year to 140,000 Gallons per year. Emergency permit will expire on August 10, 2027. Allowing Kirtland Air Force base to resolve issues. |

|                          |                                            |                               |            |
|--------------------------|--------------------------------------------|-------------------------------|------------|
| <b>Facility Name:</b>    | <b>Govt. Fuels Distribution Operations</b> | <b>UTM Coordinates, East:</b> | 356013.02  |
| <b>Facility Address:</b> | Main Fuels Yard Bldg. 1041                 | <b>North:</b>                 | 3879673.54 |
| <b>Facility ID:</b>      | FA0010344                                  | <b>Record ID:</b>             | PR0014677  |

## Proposal

The Air Quality Program received an Air Quality Construction Permit application from Kirtland Air Force Base (KAFB) on June 1, 2026, requesting an emergency permit modification issuance for the Govt. Fuel Distribution Facility Unit #1: Increase Throughput from 90,000 Gallons per year to 140,000 Gallons per year. Unit 1 includes #22005-2 Gasoline Above-ground Storage Tank and #16001 Gasoline Loading arm of bulk fuel trucks.

According to NMAC 20.11.41 – “Emergency Permit” and NMAC 20.11.41(A), the Department may issue an emergency permit when the director determines an emergency situation exists that threatens public health, safety or welfare, and that a source subject to 20.11.41 NMAC should be immediately constructed, modified or relocated in order to mitigate, prevent or remedy the emergency. Per the applicant, “the Government East fueling station (Station B) is inoperable and requires major repairs. This failure has forced all refueling operations to the Main Fuels Yard, causing monthly throughput to double over the past three months. Based on current data, Kirtland AFB anticipates exceeding its annual permitted limit of 90,000 gallons by September 2026. Because the standard permitting process cannot be completed before this potential exceedance occurs, an emergency permit is necessary to ensure the installation remains in regulatory compliance while maintaining uninterrupted fueling operations for essential services”.

## Permitting History

| Permit Number | Issuance Date | Permit Action Type      | Brief Description                                                                    |
|---------------|---------------|-------------------------|--------------------------------------------------------------------------------------|
| 3090-M1-EP    | 8/10/2026     | Emergency Modification. | Throughput increase Unit 1 from 90,000 gallons per year to 140,000 gallons per year. |
| 3090 RV1      | 10/29/2013    | Revision                | Administrative changes requested from KAFB regarding terminology inaccuracies.       |
| 3090          | 7/8/2013      | Initial Permit          | New permit Govt. Fuels Distribution. Ops.                                            |
|               |               |                         |                                                                                      |

## Regulatory Applicability

The following regulations apply to this facility.

### New Mexico Administrative Code (NMAC) Regulations

| Citation          | Regulation                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>20.11.2</b>    | <b>Permit Fees</b>                                                                                                                                                                                                                                                                                                                                                            |
|                   | <i>20.11.2.19.A.(2) Proposed Allowable Emission Rate equal to or greater than 5 tpy</i>                                                                                                                                                                                                                                                                                       |
|                   | 20.11.2.19.C.(3) (NESHAPs) Promulgated Standards                                                                                                                                                                                                                                                                                                                              |
| <b>20.11.2.21</b> | <b>Annual Emissions Fees and Rate for Stationary Sources</b>                                                                                                                                                                                                                                                                                                                  |
| <b>B.</b>         | Permitted source: Sources issued a permit pursuant to 20.11.41 NMAC, 20.11.42 NMAC, 20.11.60 NMAC, 20.11.61 NMAC or other board regulation, The annual emission fee shall be calculated as required by Subsection C of 20.11.2.13 NMAC                                                                                                                                        |
| <b>F.</b>         | Beginning January 1, 2011, and every January 1 thereafter, an increase based on the consumer price index shall be added to the annual emission fee and rates required by 20.11.2.21 NMAC. The annual emission fees and rates pursuant to 20.11.2.21 NMAC shall be adjusted by an amount equal to the increase in the consumer price index for the immediately preceding year. |

|               | <b>NO<sub>x</sub>*<br/>TPY</b>                                                                                                            | <b>CO*<br/>TPY</b> | <b>VOC*<br/>TPY</b> | <b>SO<sub>2</sub>*<br/>TPY</b> | <b>PM<sub>10</sub>*<br/>TPY</b> | <b>PM<sub>2.5</sub>*<br/>TPY</b> | <b>HAPS*<br/>TPY</b> |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------|--------------------------------|---------------------------------|----------------------------------|----------------------|
| <b>Totals</b> |                                                                                                                                           |                    | <b>23</b>           |                                |                                 |                                  |                      |
|               | <b>Total = 23 tpy</b>                                                                                                                     |                    |                     |                                |                                 |                                  |                      |
|               | <i>*Note: The total emissions on this table are for billable use only. These are NOT the allowable annual emissions for the facility.</i> |                    |                     |                                |                                 |                                  |                      |

| Citation          | Regulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>20.11.5</b>    | <b>Visible Air Contaminants</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>20.11.5.12</b> | <b>General Stationary Sources</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                   | No person owning or operating any stationary source, not otherwise addressed in this Part, shall cause or allow visible air contaminant emissions that exceed an opacity of 20 percent, 6 minute time-averaged.                                                                                                                                                                                                                                                                           |
| <b>20.11.8</b>    | <b>Ambient Air Quality Standards – Only New Mexico State Standards</b>                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>20.11.8.6</b>  | To adopt local ambient air quality standards that are identical to the federal National Primary and Secondary Ambient Air Quality Standards codified at 40 CFR Part 50, and to adopt applicable state Ambient Air Quality Standards codified at 20.2.3 NMAC                                                                                                                                                                                                                               |
|                   | <b>Note: 20.11.8 NMAC is applicable, but the newer federal standards contained in 40 CFR §50 apply.</b>                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>20.11.40</b>   | <b>Source Registration</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>20.11.40.2</b> | This Part is applicable to any stationary source located in Bernalillo County.                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>20.11.40.6</b> | By January 1, 1974, any person owning or operating any commercial or industrial stationary source, which emits more than two thousand pounds of any air contaminant per year or any amount of a hazardous air pollutant, must obtain a Registration Certificate for the source from the Director. Any person owning or operating any commercial or industrial stationary source constructed after September 1, 1973, and meeting the emission requirements of this section, must obtain a |

| Citation             | Regulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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|                      | Registration Certificate for the source from the Director within one hundred and eighty days after the initial startup date of the source.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>20.11.41</b>      | <b>Construction Permits</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>20.11.41.2.B</b>  | <b>Emission thresholds that require a construction permit before commencing construction, modification or operation of a stationary source subject to 20.11.41 NMAC:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| (1)                  | If a person proposes a modification of a stationary source and the modification will emit one or more regulated air contaminants for which a federal, state or board ambient air quality standard exists, and if, as a result of the modification, all activities at the source will emit, when calculated at the contaminant's potential emission rate, 10 pounds per hour or more or 25 tons per year or more of a regulated air contaminant, then the person shall apply for and obtain a construction permit or permit modification as required by 20.11.41 NMAC before the person commences construction or operation. |
| <b>20.11.41.2.C</b>  | <b>Source classifications; source types:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| (1)                  | any equipment or process that is subject or becomes subject to 20.11.63 NMAC, New Source Performance Standards for Stationary Sources, or 20.11.64 NMAC, Emission Standards for Hazardous Air Pollutants for Stationary Sources                                                                                                                                                                                                                                                                                                                                                                                             |
| (3)                  | any stationary source that meets the applicability requirements of 20.11.41 NMAC; however, if the source is also a major stationary source or a major modification as defined in 20.11.61 NMAC, Prevention of Significant Deterioration, then the source shall in addition be subject to 20.11.61 NMAC                                                                                                                                                                                                                                                                                                                      |
| <b>20.11.41.2.D</b>  | <b>Sources that become subject to new NSPS or NESHAP</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                      | If a person is operating a source that becomes subject to a new NSPS or NESHAP, the person shall apply for and obtain a construction permit as required by 20.11.41 NMAC.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>20.11.41.29</b>   | <b>Permit Modification</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                      | A person who proposes to modify a stationary source shall comply with all requirements of 20.11.41 NMAC. Applications for permit modifications shall be processed in accordance with all requirements established in 20.11.41 NMAC for permit applications, including public notice, review fees, and hearing procedures                                                                                                                                                                                                                                                                                                    |
| <b>20.11.49</b>      | <b>Excess Emissions - Locally Enforceable Only</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>20.11.49.13.A</b> | <b>Applicable to any source:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| (1)                  | whose operation results in an emission of a regulated air pollutant, including a fugitive emission, in excess of the quantity, rate, opacity or concentration specified by an air quality regulation or permit condition; or                                                                                                                                                                                                                                                                                                                                                                                                |
| (2)                  | subject to the requirements of 20.11.47 NMAC, Emissions Inventory Requirements, 20.11.41 NMAC, Construction Permits, 20.11.42 NMAC, Operating Permits, 20.11.61 NMAC, Prevention of Significant Deterioration, or 20.11.60 NMAC, Permitting In Nonattainment Areas.                                                                                                                                                                                                                                                                                                                                                         |
| <b>20.11.64</b>      | <b>Emission Standards For Hazardous Air Pollutants For Stationary Sources</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>20.11.64.12</b>   | <b>Incorporation of Federal Standards Codified at 40 CFR Part 63:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                      | Except as otherwise provided, the National Emissions Standards for Hazardous Air Pollutants for Source Categories, promulgated by the United States environmental protection agency, and codified at 40 CFR Part 63, including Subpart A, General Provisions thereto, as amended in the Federal Register through January 23, 2017, are hereby incorporated into 20.11.64 NMAC                                                                                                                                                                                                                                               |
| <b>20.11.90</b>      | <b>Source Surveillance; Administration, Enforcement, Inspection</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>20.11.90.2</b>    | <b>Scope</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| A.                   | <b>20.11.90 is applicable to any source within the Bernalillo County.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

| Citation           | Regulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <b>20.11.90.13</b> | <b>Source Surveillance</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| A.                 | The owner or operator of any stationary source of an air contaminant shall, upon notification by the director, maintain records of the nature and amounts of emissions, to which an air quality control emission regulation applies, from the source and any other information as may be deemed necessary by the director to determine whether the source is in compliance with applicable regulations.                                                                                                                                                                                                                                                                                                                                                       |
| E.                 | The director shall establish a periodic visual surveillance system to detect and investigate apparent violations of visible emission limitations and such complaints relating to apparent violations of the regulations as may occur.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>20.11.90.14</b> | <b>Administration and Enforcement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| A.                 | Upon request of the director, the person responsible for the emission of air contaminants for which limits are established by the rules codified under Title 20, Environmental Protection, Chapter 11, Albuquerque - Bernalillo County Air Quality Control Board, of the New Mexico Administrative Code, shall provide such facilities, utilities, and openings exclusive of instrument and sensing devices, as may be necessary for the proper determination of the nature, extent, quantity and degree of such air contaminants. Such facilities may be either temporary or permanent at the discretion of the person responsible for their provisions; and shall be suitable for determination consistent with emission limits established in these rules. |

## Federal Applicability

| Citation         | Regulation                                                                                                                                   | Does it apply to the Facility and/or Equipment?<br>Y/N<br>(List units) |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| <b>40 CFR 50</b> | National Primary and Secondary Ambient Air Quality Standards                                                                                 | <b>Facility</b>                                                        |
| §50.4            | National primary ambient air quality standards for sulfur oxides (sulfur dioxide) General Provision                                          |                                                                        |
| §50.5            | National secondary ambient air quality standards for sulfur oxides (sulfur dioxide)                                                          |                                                                        |
| §50.6            | National primary and secondary ambient air quality standards for PM10                                                                        |                                                                        |
| §50.7            | National primary and secondary ambient air quality standards for PM2.5                                                                       |                                                                        |
| §50.8            | National primary ambient air quality standards for carbon monoxide                                                                           |                                                                        |
| §50.9            | National 1-hr primary and secondary ambient air quality standards for ozone                                                                  |                                                                        |
| §50.10           | National 8-hr primary and secondary ambient air quality standards for ozone                                                                  |                                                                        |
| §50.11           | National primary and secondary ambient air quality standards for oxides of nitrogen (with nitrogen dioxide as the indicator)                 |                                                                        |
| §50.13           | National primary and secondary ambient air quality standards for PM2.5                                                                       |                                                                        |
| §50.15           | National primary and secondary ambient air quality standards for ozone                                                                       |                                                                        |
| §50.16           | National primary and secondary ambient air quality standards for lead                                                                        |                                                                        |
| §50.17           | National secondary ambient air quality standards for sulfur oxides (sulfur dioxide)                                                          |                                                                        |
| §50.18           | National primary and secondary ambient air quality standards for PM2.5                                                                       |                                                                        |
| §50.19           | National primary and secondary ambient air quality standards for ozone                                                                       |                                                                        |
| <b>40 CFR 63</b> | Subpart BBBB-NESHAP for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities. Unit #1 is limited to a | <b>Y</b>                                                               |

| Citation | Regulation                                                                                                                                                                                                | Does it apply to the Facility and/or Equipment?<br>Y/N<br>(List units) |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
|          | throughput of 140,000 gallons per year and a maximum daily throughput of less than 20,000 gallons per day to maintain a classification as an existing bulk gasoline plant under 40 CFR 63 Subpart BBBBBB. |                                                                        |

## Actions Taken

|                  |                                                                    |
|------------------|--------------------------------------------------------------------|
| <b>6/1/2026</b>  | Received application                                               |
| <b>6/16/2026</b> | Requested and received clarification on Unit 1 tank specifications |
| <b>7/14/2026</b> | Application ruled complete                                         |
| <b>8/10/2026</b> | Emergency Permit issued                                            |

## CALCULATIONS

|               | <i>Emission Source</i>                                                   | <i>Emissions Calculations</i>                                                                                                                                                                                  | <i>Emissions Calculations</i>                                                                                                                                                                              | <i>Emissions<br/>lbs./hour</i> | <i>Emissions<br/>tons/yr.</i> |
|---------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------------|
| <i>Unit 1</i> | <i>Gasoline Storage Bulk Plant Facility Bldg. 1041, Unit ID 22005-2</i>  | <i>Hourly Emission (lb./hr.) = PTE (ton/yr.) * 2000 (lb./ton) / 8760 (hr./yr.)<br/>133.85(ton/yr.) * 2000(lb./ton)/8760 (hr./yr.) = <u>30.56 Hourly Emissions (lb./hr.)</u></i>                                | <i>Annual Emissions – working losses, breathing losses, and total losses calculated using EPA Tanks v. 409d (via APIMS)<br/>Working Losses 0.70 + Breathing Losses 1.08 = <u>1.78 Annual Emissions</u></i> | <i>30.56</i>                   | <i>1.78</i>                   |
|               | <i>Gasoline Loading Bulk Plant Facility, Bldg. 1041, Unit ID # 16001</i> | <i>Hourly Emissions (lb./hr.) = Loading Loss (lb./1000gal) * Loading Rate (gal /min) * 60(min/hr.)/1000<br/>6.05(lb./1000gal) * 300 (gal/min) * 60(min/hr.)/1000 = <u>108.9 Hourly Emissions (lb./hr.)</u></i> | <i>Annual Throughput (1000-gal/yr.) * Loading loss (lb./1000-gal)/2000 (lb./ton)<br/>140,000(1000-gal/yr.) * 6.05 (lb./1000-gal)/2000 (lb./ton) = <u>.42 Annual Emission (ton/yr.)</u></i>                 | <i>108.9</i>                   | <i>.42</i>                    |

*Loading loss calculation methodology from AP-42 Section 5.2: Transportation and Marketing of Petroleum Liquids (June 2008)*

*The following equation was used to calculate loading losses:*

$$\text{Loading Loss (lbs/1000-gal)} = 12.46 * [(SPM) / T] * [1 - (Capeff/100 * Coneff/100)]$$

*where: S = a saturation factor obtained from Table 5.2-1*

*P = true vapor pressure of liquid loaded (psia)*

*M = vapor molecular weight (lb/lb-mole)*

*T = Bulk Liquid Temperature (°R)*

*Capeff = Capture Efficiency (%)*

*Coneff = Control Efficiency (%)*

*Capture efficiency and control efficiency are both zero:*

$$(1 - 0/100 * 0/100) = 1$$

$$\text{Loading loss} = 12.46 * 0.60 * 6.76 * 62 / 517.60$$

$$251.472 / 517.60 = 0.4859$$

$$12.46 * 0.4859 = 6.05$$

$$\text{Loading loss} = 6.05 \text{ lb VOC/1000 gal loaded}$$