

PUBLIC NOTICE
Air Quality Construction Permit For
Kairos Power, LLC

Kairos Power, LLC submitted an application for a new air quality construction permit to the Air Quality Program (Program) of the City of Albuquerque Environmental Health Department. The Program received the application on April 17, 2025. The owner of the facility is Kairos Power, LLC, 707 W. Tower Avenue, Suite A, Alameda, CA 94501. The Salt Production Facility is located at 5201 Hawking Drive SE, Albuquerque, NM 87106. This application file has been assigned Permit Application No. 3539. The Program has made an affirmative administrative completeness determination and is providing this notice pursuant to 20.11.41.14 NMAC.

The applicant is requesting a new construction permit. The applicant is requesting to construct a Salt Production Facility (SPF) for the manufacture of a heat transfer fluid composed of lithium fluoride (LiF) and beryllium fluoride (BeF₂) for use in their research and development for nuclear reactor technology and potential power generation.

The proposed construction of the SPF will consist of the following sources of emissions:

- EP-1: One (1) vent stack that handles the main production area vent (Unit Vent-300):
 - Thirty-six (36) chemical process tanks (Unit Tanks)
 - Process vents associated with unit areas 100, 150, 300, and 400 tank groups
- EP-2: One (1) bleach synthesis column (Unit BSC-500)
- EP-3: One (1) vent stack associated with unit areas 600 and 950 (Unit Vent-600)
- EP-4: One (1) 7100 gpm cooling tower (Unit Cooling Tower-1)
- EP-5A: One (1) 24.525 MMBtu/hr boiler (Unit Boiler-1)
- EP-5B: One (1) 32.700 MMBtu/hr boiler (Unit Boiler-2)
- EP-6: One (1) 409 hp emergency generator (Unit Gen-1)
- EP-7: Facility fugitive emissions (Unit FUG-1)

The proposed air pollution maximum allowable emissions from this facility have been estimated to be:

Air Contaminant	Proposed Total Emissions ¹	
	(lbs/hr)	(tpy)
Nitrogen Oxides (NO _x)	5.44	12.94
Carbon Monoxide (CO)	5.70	20.89
Volatile Organic Compounds (VOC)	86.92	39.96
Sulfur Dioxide (SO ₂)	1.20	1.62
Particulate Matter ≤ 10 microns (PM ₁₀)	1.23	4.97
Particulate Matter ≤ 2.5 microns (PM _{2.5})	0.54	1.95
Hazardous Air Pollutants (HAP)	47.27	5.98

¹The proposed emissions in this notice are provided by the applicant and are subject to change during the course of the Program's review of the application.

A copy of the permit application, all supporting documentation, and the Program's technical analysis, if and when it is completed, may be inspected by the public at the Program offices at Room 3023, One Civic Plaza NW, Albuquerque, NM. Any person who wishes to receive notice of the availability of the Program's technical analysis for review and comment, must expressly request notice in writing to the Program at: Albuquerque Environmental Health Department, Air Quality Program – Permitting Section P.O. Box 1293, Albuquerque, New Mexico 87103 before the end of the public comment period on June 21, 2025. The public will have no fewer than 30 days to submit written comments and evidence, request a public information hearing, or both on the permit application to the Program. Comments will be accepted and considered if postmarked by the end of the public comment period. Formal action on the application will be reserved pending receipt and analysis of any additional details or information developed during the public comment period. Any person who does not participate in the permitting action will not receive notification of the Program's decision regarding the proposed permit, unless the person has delivered a written request for notice to the department. The application, all supporting documentation, and the public notice are available online at <http://www.cabq.gov/airquality/air-quality-permits>.

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.

The Program expects to issue, issue subject to conditions, or deny this application before August 17, 2025. The Program will not issue any air quality permit with or without conditions unless an air quality ambient impact dispersion modeling study, if deemed necessary by the Program, shows that the facility would not cause or contribute to a potential violation of air quality standards. If the Program issues the permit with conditions, the conditions will include those that limit the emissions, and conditions that will require recordkeeping and reporting to the Program to ensure compliance with federal and local air regulations.

The Program's offices are located at One Civic Plaza NW, Room 3023, Albuquerque, NM 87102. The Program's mailing address is Albuquerque Environmental Health Department, Air Quality Program – Permitting Section, PO Box 1293, Albuquerque, NM 87103.

For more information, contact Jonathan Florez, Senior Environmental Health Scientist, at 505-768-1948 or jflorez@cabq.gov.

NOTICE OF NONDISCRIMINATION AND ASSISTANCE FOR PERSONS WITH DISABILITIES OR SPECIAL NEEDS: The City of Albuquerque does not discriminate on the basis of race, color, national origin, age, disability, religion, ancestry, sexual orientation, gender identity, spousal affiliation or sex. If you believe you have been discriminated against, you may submit a complaint at <https://www.cabq.gov/civilrights>. You may also contact Amanda Trujillo, Executive Assistant, General Services Division at amandatrujillo@cabq.gov.

If you have a disability and require special assistance to participate, please contact Jonathan Florez at 505-768-1948 as soon as possible before the deadline. Those in need of hearing assistance may call 711.