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## NOTICE OF AIR QUALITY PERMIT APPLICATION

Los Alamos National Laboratory announces its application to the New Mexico Environment Department (NMED) for an air quality permit for the modification of its Technical Area (TA) 3 Power Plant facility. The permit number associated with the TA-3 Power Plant facility is 2195B-M2. The net effect of this modification will result in a reduction of greenhouse gas emissions and provide a reliable and sustainable heat and electric supply to support the Laboratory. The expected date of application submittal to the NMED Air Quality Bureau is September 25<sup>th</sup>, 2017.

The exact location for the proposed facility known as Technical Area 3 Power Plant is at Technical Area 3 on Diamond Drive of Los Alamos National Laboratory. The approximate location of this facility is 1 mile south of the intersection of Diamond Drive and Trinity Drive in Los Alamos County.

The proposed modification consists of:

- The construction and installation of a Heat Recovery Steam Generator (HRSG), which will be installed on the exhaust stack of the existing Combustion Gas Turbine Generator and the Steam Turbine Generator (STG).
- The permanent shut down of three existing boilers that were installed in the 1950s each rated at a capacity of 178.5 MMBtu/hr and the construction and installation of two new auxiliary boilers each rated at a capacity of 71.0 MMBtu/hr.

The estimated maximum quantities of any regulated air contaminant will be as follows in pound per hour (pph) and tons per year (tpy). These reported emissions could change slightly during the course of the Department's review:

Pollutant:	Pounds per hour	Tons per year
Total Suspended Particulates (TSP)	12.1 pph*	36.1 tpy*
PM <sub>10</sub>	12.1 pph*	36.1 tpy*
PM <sub>2.5</sub>	12.1 pph*	36.1 tpy*
Sulfur Dioxide (SO <sub>2</sub> )	8.6 pph*	5.2 tpy*
Nitrogen Oxides (NO <sub>x</sub> )	32.9 pph*	88.2 tpy*
Carbon Monoxide (CO)	144.9 pph*	83.6 tpy*
Volatile Organic Compounds (VOC)	18.2 pph*	16.3 tpy*
Total sum of all Hazardous Air Pollutants (HAPs)	0.5 pph	2.1 tpy
Ammonia (New Mexico Toxic Air Pollutant (TAP))	5.3 pph	n/a
Sulfuric Acid (TAP)	0.1 pph	n/a
Green House Gas Emissions as Total CO <sub>2</sub> e	n/a	272637 tpy

\* Estimated hourly and annual start up, shut down and maintenance emissions have been added per public notice requirements.

The standard and maximum operating schedules will be 24 hours per day, 7 days a week and a maximum of 52 weeks per year.

The operator and owner of the Facility is: Los Alamos National Security, LLC, P.O. Box 1663, MS J978, Los Alamos, New Mexico, 87545, operator of Los Alamos National Laboratory for the U.S. Department of Energy, 3747 West Jemez Road, Los Alamos, NM 87544. Please direct questions for the Laboratory to the Environmental Communication & Public Involvement Office point of contact, Kaitlin Martinez, at 505-667-6168, [envoutreach@lanl.gov](mailto:envoutreach@lanl.gov), or Environmental Communication & Public Involvement, P.O. Box 1163, MS K491, Los Alamos, New Mexico 87545.

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If you have any comments about the construction or operation of this facility, and you want your comments to be made as part of the permit review process, you must submit your comments in writing to this address: Air Quality Bureau; Attention: Kirby Olsen, 525 Camino de los Marquez, Suite 1; Santa Fe, New Mexico; 87505-1816; (505) 476-4300; 1-800-224-7009; [https://www.env.nm.gov/aqb/permit/aqb\\_draft\\_permits.html](https://www.env.nm.gov/aqb/permit/aqb_draft_permits.html). If you do not want to submit written comments, but have questions about the application, please contact Kirby Olsen.

With your comments, please refer to the company name and site name, or send a copy of this notice along with your comments. This information is necessary since the Department may have not yet received the permit application. Please include a legible return mailing address. Once the Department has completed its preliminary review of the application and its air quality impacts, the Department's notice will be published in the legal section of a newspaper circulated near the facility location.

#### **Atención**

Este es un aviso de la Agencia de Calidad de Aire del Departamento de Medio Ambiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor de comunicarse con la oficina de Calidad de Aire al teléfono 505-476-5557.

#### **Notice of Non-Discrimination**

NMED does not discriminate on the basis of race, color, national origin, disability, age or sex in the administration of its programs or activities, as required by applicable laws and regulations. NMED is responsible for coordination of compliance efforts and receipt of inquiries concerning non-discrimination requirements implemented by 40 C.F.R. Part 7, including Title VI of the Civil Rights Act of 1964, as amended; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972, and Section 13 of the Federal Water Pollution Control Act Amendments of 1972. If you have any questions about this notice or any of NMED's non-discrimination programs, policies or procedures, you may contact: Kristine Pintado, Non-Discrimination Coordinator, New Mexico Environment Department, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, [nd.coordinator@state.nm.us](mailto:nd.coordinator@state.nm.us). If you believe that you have been discriminated against with respect to a NMED program or activity, you may contact the Non-Discrimination Coordinator identified above or visit the website at <https://www.env.nm.gov/NMED/EJ/index.html> to learn how and where to file a complaint of discrimination.

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