Lake County Air Quality Management District
2617 South Main Street
Lakeport, CA 95453
707-263-7000 / fax 263-0421

Douglas G. Gearhart
Air Pollution Control Officer
dougg@lcaqmd.net

A/C Application Fee _____

Application For An Authority To Construct (& Attached List and Criteria)

Type of Application: ☐ New Facility ☐ Modification ☐ Existing Facility, Not Previously Permitted

Contact Name: _____

Legal Owner: _____

Mailing Address: _____

_____

_____

Facility Name: _____

Facility or Project Name: _____

Permit #: _____ Category: _____

Description of the Process/Purpose of the Facility:

_____

Estimated Construction dates:
Start - _____ Completion - _____

Equipment Location/Legal Description:

_____

_____

_____

Description of equipment by make, model, size and type:

Diagram/Plot Plan of Facility Enclosed? ☐ Yes ☐ No

_____

_____

_____

_____

_____

Additional List and Criteria Data Attached: Yes☐ No☐ (List and Criteria are attached)

If no give reason: _____

Operating Schedule: _____ Hours/Day _____ Days/Week _____ Weeks/Year Lat•N: _____

Production Rates: _____ /Hour, _____/Day, _____ /Year (Specify Units) Long•W: _____

Amount, nature, and duration of emissions: _____

Attach a Facility and Equipment Diagram, Specification Sheet(s), and Process Flow Diagram. Show the location and distance to adjacent residences, businesses, schools and hospitals.

Type and efficiency of air pollution control equipment: _____

Type and Estimated Quantity of fuel use: _____ _____ gal/yr (%S): _____

Ten year projected expansion plans: _____

I have read and understand the Lake County Air Quality Management District's (District) List and Criteria for Authority to Construct Permits. I understand that I am responsible for any information listed herein or requested pursuant to this application. Based on information and belief formed after reasonable inquiry, the statements and information presented in this application and supplemental documentation are true, accurate, and complete. Applicant shall defend, indemnify and hold harmless the District and its agents, including consultants, officers and employees from any claim, action or proceeding against the District or its agents, including consultants, officers or employees to attack, set aside, void, or annul the approval of this application or adoption of the environmental document which accompanies it. This indemnification obligation shall include, but not be limited to, damages, costs, expenses, attorney's fees, or expert witness costs that may be asserted by any person or entity, including the applicant, arising out of or in connection with the approval of this application, including any claim for private attorney general fees claimed by or awarded to any party against the District, and shall also include the District's costs incurred in preparing the administrative record which are not paid by the petitioner. The District shall promptly notify the applicant of any claim, action or proceeding. Notwithstanding the foregoing, the District shall control the defense of any such claim, action or proceeding unless the settlement is approved by the applicant and that the applicant may act in its own stead as the real party in interest in any such claim, action or proceeding.

_____ Date: _____
Signature of authorized representative of firm

Name: _____ Title: _____ Telephone: _____

Email: _____

Ek 10/2025

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Engine Data Submittal Form

Contact Name: _____ Facility Name:

Company Name:_____ _____

Mailing Address: _____ Engine Address:

_____ _____

_____

Phone Number: _____ E-mail: _____

Is this engine currently permitted by the LCAQMD? ☐ Yes ☐ No Permit #_____

Generator Make:_____ Generator Model Number: _____

Generator Serial Number:_____

Engine Make: _____ Engine Model: _____

Engine Family:_____ Engine Model Year: _____

Engine Serial Number: _____ Rated Brake Horse Power (hp):_____

Engine Tier Rating: ☐ 0 ☐ 1 ☐ 2 ☐ 3 ☐ 4I ☐ 4F Date of Manufacture: _____

Exhaust Stack Height: _____ Feet

Direction of Stack Outlet: ☐ Horizontal ☐ Vertical

Diameter of Stack Outlet: _____ Inches End of Stack: ☐ Open ☐ Capped

Engine emissions factors: Please include supporting data (manufacturers data, or test data)

CO _____	☐ G/BHP-Hr	☐ G/KW-Hr
NOx _____	☐ G/BHP-Hr	☐ G/KW-Hr
HC _____	☐ G/BHP-Hr	☐ G/KW-Hr
PM _____	☐ G/BHP-Hr	☐ G/KW-Hr

Control Equipment (check all that apply):

☐ Turbocharger	☐ Injection Timing Retard	☐ Catalyst
☐ Aftercooler	☐ Diesel Particulate Filter	☐ Other (specify)

Fuel(s) used (check all that apply):

☐ CARB Diesel ☐ Diesel #2 ☐ Other (specify) _____

Fuel Usage Rate: _____ Gallons Per Hour (from Mfr. or testing, provide source data)

Describe General Use of Engine (Including Prime or Emergency Backup Power):

_____

_____

_____

Typical Load (percent of maximum, if known): _____

Nearest receptor description (type: residence, business, etc): _____

Distance to nearest receptor: _____ Feet

Distance to nearest school grounds (if within 1/2 mile): _____ Feet

Is this engine included in an existing AB2588 Emissions Inventory? ☐ Yes ☐ No

Does the engine have a non-resettable hour meter with a minimum display capability of 9,999 hours installed? ☐ Yes ☐ No If Yes, Current Reading _____.

Is a log book being maintained on site with hours of use for emergency backup, maintenance, and testing, fuel usage (log all fuel purchases and account for all fuel used in the engine), and does the log show the initial startup hours or initial hours when the log book was started?
☐ Yes ☐ No

I understand that I am responsible for any information listed herein or requested pursuant to this submittal. Based on information and belief formed after reasonable inquiry, the statements and information presented in this submittal are true, accurate, and complete.

_____ Date:_____
Signature of authorized representative of firm

Name: _____ Title: _____
Phone:_____ Email:_____

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Agent Authorization Form

Authorized Agent: (Complete this section if appropriate)

I hereby designate _____
(agent's name - print)

of _____
(agent's business name, mailing address, & phone number - print)

to serve as the Authorized Agent for my company / facility:

_____
(applicant company's name - print)

at _____

in dealing with the Lake County Air Quality Management District in matters regarding (check as appropriate):

- ☐ Engine Permit Application
- ☐ Air Toxics (AB2588)
- ☐ Inspections and Compliance
- ☐ Billing
- ☐ Source Testing
- ☐ All of the Above
- ☐ Other (state purpose): _____

This designation includes written correspondence, telephone discussions, and meetings and shall remain in effect until it is suspended in writing by my company or the following date: _____ whichever is earlier.

Agent Signature: _____

As the Legal Owner, I hereby authorize the above mentioned agent to represent my company in the matters identified above:

Name (print):	
Title:	
Phone:	
Address:	
City, State, ZIP	
Owner Signature:	

EK 3/2025

LAKE COUNTY AIR QUALITY MANAGEMENT DISTRICT
LIST AND CRITERIA FOR AUTHORITY TO CONSTRUCT PERMITS

The Lake County Air Quality Management District has adopted this "List and Criteria" for determining whether applications for future development projects are complete. This "List and Criteria" identifies information required of applicants seeking authority to construct air pollution sources and requires submission of such information before an application can be determined to be complete.

Within thirty days after receiving an application, the Air Pollution Control Officer (APCO) will advise the applicant in writing whether the entire application is complete. If an application is deemed incomplete, the APCO will notify the applicant of what additional information needs to be provided. Upon re submission of an application, a new thirty-day review period shall begin.

All applicants are subject to the requirements of this "List and Criteria" regardless of whether all information listed is necessary for an application to be deemed complete. While an application is being processed, the APCO may request the applicant to clarify, amplify, or supplement the information required by this "List and Criteria".

The information required of the applicant is divided into two parts. “Part A” identifies the information required of all applicants seeking permits for new facilities and for the modified portions of existing facilities. “Part B” identifies additional information that is required from those applicants seeking permits for sources which are subject to the District’s New Source Review (NSR) rules. Where a source is subject to NSR rules, some of the information required in “Part A” may also be required for the existing portion of the facility.

If an applicant determines that a project is not subject to the District’s NSR rules, the applicant may choose not to complete “Part B” of the List. If, during the processing of an application, the APCO determines that a project is subject to the NSR rules, the APCO must do one of the following:

a) If the APCO makes the determination (that the application is subject to the NSR rules) during the thirty-day review period, the APCO will ask the applicant to submit the information identified in Part B of the List (pertaining to NSR). If the applicant fails to submit such requested information within the thirty-day period, the APCO will deem the application incomplete.

b) If the APCO makes the determination (that the application is subject to the NSR rules) after the application is deemed complete, the APCO must notify the applicant of such determination and, if sufficient time remains, may establish a time limit for the applicant to submit the required information. If the APCO determines that inadequate time remains, or if the applicant fails to submit the information within the established time limit, the APCO will deny the permit.

The District urges all applicants to discuss their projects with our staff prior to the filing of applications. For some projects, it may not be necessary to submit all the information required by the "List and Criteria" in order to have an application deemed complete. Consultation with the District staff will expedite the process by identifying the specific information that will be required of an applicant.

An applicant seeking an exemption provided for in any rule and regulation of the District must supply the APCO with all information necessary for the APCO to determine whether or not such an exemption should be granted.
Information regarding the District's general permit requirements, such as filing deadlines, fee schedules, and appeal process, can be found in the rules and regulations of the District.

Prior to filing an application with the District, all applicants are urged to participate fully in the early stages of the EIR process being undertaken by the lead agency for the applicant's project in order 1) to be apprised of the applicable air quality and other environmental constraints, and 2) to make such project modifications as may be necessary to satisfy those constraints.

An application is complete when it provides sufficient information on emissions and associated impacts from a new source or modification of an existing source, to enable the District to determine whether or not those emissions will violate or make a measurable contribution to an existing violation of any local, State or Federal ambient air standards.

Part A

All applications for permits (authorities) to construct new or modified air sources are subject to the requirements of this portion of the List.

I. Name

A. Business license name.
B. Nature of business.
C. Name, address, and phone number of person to contact regarding this application.
D. Type of use entitlement (own, rent, lease).
E. Estimated construction dates and estimates completion dates.

II. Type of application

A. 1. Original application
2. Revised application
B. 1. New facility
2. Modification
3. Existing facility not previously permitted

III. Description of Facility

A. Location
1. Street address of facility (or location as describe by section, township and range);
2. Scaled and dimensioned plot plan of facility which shows and identifies the locations of:
a) Public and private streets
b) Property lines
c) Existing and proposed buildings (indicate their heights)
d) Adjacent property owners and uses
e) Storage areas for fuel, materials and products
f) Basic, control, and air monitoring equipment
g) Piping and ducts for carrying fuels, products, and possible sources of air pollutants
h) Identify points of emissions
B. Describe the general purpose of this facility

IV. Description of Process (to extent practical as determined by District).

A. General description of each process line.
B. For Facilities with more than one process line:
1. Submit a block flow diagram which shows the interaction between each process line (include a material balance and a description of the material processed as it changes in terms of maximum design rates).
2. Submit a drawing which shows the transfer of materials, products, and possible sources of air pollutants between process lines, buildings, and storage areas.
C. Basic and control equipment descriptions (e.g. make, function, model, size, type, maximum capacity, Hp).
D. Operating schedule (No. of hours/day, days/week, weeks/year).
E. Maximum monthly, hourly, and daily production rates and raw material usage rates.
F. Total average annual production rates and raw material usage rates (such as tons/year).
G. Provide the following information associated with each piece of basic (existing, modified, and proposed) equipment:
1. Equipment identification number
2. Inlet and outlet temperatures
3. Identify the emission points and state to where the equipment is to be vented.
4. The material entering and leaving the equipment

5. The energy consumption (e.g., BTU/hr, KW/hr)
6. State whether the operation is continuous or intermittent
H. Describe control equipment and attach calculations and detail drawings. Provide the following information associated with each piece of control equipment (existing and proposed):
1. Schematic and description of overall control equipment
2. Control equipment identification number
3. Inlet and outlet concentrations
4. Control efficiency; verify source of data (e.g. calculations, manufacturers specifications, source test)
5. Identify the points of emission associated with each piece of equipment
6. For particulate matter, include data on the size distribution and chemical nature of emissions
7. Energy consumption (e.g. BTU/hr, KWH/hr)
I. Describe locations and amounts of emissions (in terms of maximum design rates):
1. Identify points of emission
2. Height of the outlet above ground level
3. Size and shape of the outlet, (e.g. 9" round)
4. Flow rate of exhaust gases
5. Outlet temperature
6. Estimate the quantity of each pollutant emitted: PM-10, carbon monoxide, organic gases, nitrogen oxides, and sulfur oxides, as examples.
J. Describe emissions of a fugitive nature, i.e., not included in "I" above.
K. Attach copies of all calculations used in answering the questions (also site references and tolerance of data).

V. Describe Fuel Burning Equipment and Fuel (to extent practical as determined by District).
A. Describe burners:
1. Equipment identification number, manufacturer's name and model, size,
number of burners, minimum and maximum ratings per burner, and burner type.
2. The burner mode of control, (e.g. manual, automatic on off, high low) if applicable
3. Air compressor data (if air atomization is used): manufacturer's name and model, drive motor horsepower, compressor rating (pressure and capacity), and operating pressure.
4. Firing type, (e.g. tangential, opposed, front)
5. Type of fuels and the percentage of combustion air
B. Describe all fuels used; indicate the types, grades, consumption rates; pre treatment of the fuel, if any (method and temperature); heating value (e.g. BTU/cu. ft., BTU/gal., BTU/lb.); and ash, sulfur, moisture, H2S and nitrogen contents, where applicable.
1. For oil pre-heaters, indicate the type and the temperature to which the oil is expected to be preheated.
2. State whether unit is to be used to incinerate waste gas or liquid steam. Submit a drawing of the method of waste stream introduction with respect to gas/fuel oil burners.
3. a) Indicate the amount of each fuel used per year (gal/yr for liquid, million cu.ft./hr for gaseous, and tons/yr. for solid); also indicate fuels used as standby fuel.
b) Indicate the maximum consumption rate of fuel in any one hour and any 24 hours period.
C. For combustion facilities, specify the heat input rate or the thermal efficiency.

VI. Describe storage facilities (to extent practical as determined by District).
A. Size, model, type, and make of storage facilities.
B. Properties or characteristics of materials and products being stored.
C. Control procedures and equipment utilized on storage facilities.
D. Conditions under which storage exists, e.g., temperatures, pressure, wind speed.

Part B

When a source is subject to new source review, an applicant shall supply the following in addition to the information required by Part A.

I. Information required for air quality impact analysis.
A. Any monitoring stations that may be installed by applicant.
B. Sufficient data to perform an impact analysis from all emission points and fugitive emissions:
1. Meteorological data

2. Topographical data
3. Air quality data
4. Computer modeling data, including assumptions that should be made.

II. Identify all facilities within the air basin that are owned or operated by the applicant and the compliance status of each.

III. Power consumption of facility.
A. Total amount of electrical power to be consumed by the new facility or the increase in the amount of electrical power to be consumed due to the modification.

B. Percentage of electrical power provided by off site generating facilities; identify the source of power.

IV. Cargo Carriers: List the frequency of visits, describe types and sizes of all cargo carriers (other than motor vehicles), identify nature of cargo, and conditions under which the cargo is transferred.

V. If applicant is applying for trade offs from other existing source(s):
A. Provide sufficient information to determine whether adequate emission reductions will be achieved to offset the air quality impacts of the applicant's source (e.g., name and location of trade off sources and of how the emission trade offs will be effected).

VI. List proposed mitigating measures:
A. Air pollution control equipment used
B. Process changes or operations utilized to reduce emissions
C. Other