

SEP 22 2011

Mary Grace Houlihan  
City of Lathrop  
390 Towne Centre Dr  
Lathrop, CA 95330

**RE: Notice of Final Action - Authority to Construct**  
**Project Number: N-1111679**

Dear Ms. Houlihan:

The Air Pollution Control Officer has issued Authority to Construct permit to City of Lathrop for the installation of a 1,207 bhp emergency IC engine powering a stand-by electrical generator, at 2112 E Louise Ave Lathrop. Enclosed are copies of the Authority to Construct permit and a copy of the notice of final action to be published approximately three days from the date of this letter.

Notice of the District's preliminary decision to issue this Authority to Construct was published on July 27, 2011. The District's analysis of the proposal was also sent to CARB on July 21, 2011. All comments received following the District's preliminary decision on this project were considered.

Comments received by the District during the public notice period resulted in no changes.

Also enclosed is an invoice for the engineering evaluation fees pursuant to District Rule 3010. Please remit the amount owed, along with a copy of the attached invoice, within 60 days.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Rupi Gill at (209) 557-6400.

Sincerely,



David Warner  
Director of Permit Services

DW:rpg

Enclosures

**Seyed Sadredin**  
Executive Director/Air Pollution Control Officer

**Northern Region**  
4800 Enterprise Way  
Modesto, CA 95356-8718  
Tel: (209) 557-6400 FAX: (209) 557-6475

**Central Region (Main Office)**  
1990 E. Gettysburg Avenue  
Fresno, CA 93726-0244  
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**Southern Region**  
34946 Flyover Court  
Bakersfield, CA 93308-9725  
Tel: 661-392-5500 FAX: 661-392-5585

SEP 22 2011

Mike Tollstrup, Chief  
Project Assessment Branch  
Stationary Source Division  
California Air Resources Board  
PO Box 2815  
Sacramento, CA 95812-2815

**RE: Notice of Final Action - Authority to Construct**  
**Project Number: N-1111679**

Dear Mr. Tollstrup:

Thank you for your comments on the above project. Following are the District's specific responses to your comments:

Comment:

1. *There are no exhaust stack parameters listed in the draft ATC. Exhaust stack parameters should be included.*

As many ARB staff are well aware, the San Joaquin Valley Air District prides itself on making well-considered decisions that provide protection of public health while also streamlining to the extent possible the engineering, modeling, and inspection resources required to provide those protections. As a result of this emphasis on wise expenditure of public funds, we have been able to maintain a top quality air quality program that will hold up to a comparison to any in the nation for effectiveness, but at unmatched levels of efficiency. As a significant piece of these efforts, we have developed standardized engineering evaluations that provide the District engineers the ability to expedite the processing of such routine permitting projects as emergency IC engines. The limited operation and certified nature of the equipment being permitted makes emergency engines an ideal candidate for such an expedited analysis. In establishing these expedited processes for the permitting engineers, we also consider the impact that the resulting conditions have on the inspection staff.

In the case of emergency IC engines, we have established a process that works extremely well, and allows us to develop an engineering evaluation, ascertain public risk caused by the proposal, and issue the proposed permit, generally within

Seyed Sadredin

Executive Director/Air Pollution Control Officer

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8 hours. We have concluded, as a part of that permit streamlining effort and based on our years of in-field experience with these types of projects, that proposals that include the use of the engine manufacturer's standard exhaust temperature and volume, and stack diameter and height, are extremely unlikely to then install some other non-standard stack parameters. While there is a non-zero chance that someone may modify such an engine in some unexpected way, we find the likelihood to be so remote, and the potential impacts from such an infrequently operated piece of equipment to be so slight, as to not be worth the resources to both include those parameters in the permit and then require the compliance inspectors to measure the stack parameters with each visit.

On the other hand, if the District determines that the stack parameters are not standard (most commonly because the District has required changes for some health-risk related reason), we will include the necessary stack parameters in the permit as necessary conditions to ensure compliance. For the case at hand, the District performed a Health Risk Assessment (HRA) based on the standard exhaust stack parameters supplied by the engine manufacturer and proposed by the applicant. Since the unit as proposed was determined to pass the HRA, no stack parameter changes were necessary, and so no stack parameters were added to the permit.

For the reasons above, we are not proposing to make any changes to the permit as a result of ARB's comments.

- 2. The project appears to be within 1,000' of a school which would trigger public notice. Please determine the distance and public notice requirement.*

The project is located at 2112 E. Louise Avenue Lathrop, CA.

The District has verified that the equipment is not located within 1,000 feet of the outer boundary of a K-12 school. Therefore, the public notification requirement of California Health and Safety Code 42301.6 is not applicable to this project.

The Air Pollution Control Officer has issued Authority to Construct permit to City of Lathrop for the installation of a 1,207 bhp emergency IC engine powering a stand-by electrical generator, at 2112 E Louise Ave Lathrop.

Enclosed are copies of the Authority to Construct permit and a copy of the notice of final action to be published approximately three days from the date of this letter.

We trust that the above response satisfies your concerns and appreciate your concurrence on this project. On the other hand, if you disagree with the District's position, we would appreciate your prompt response detailing your concerns.

Ms. Mike Tollstrup  
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If you have any questions, regarding the above response, or require additional clarification, please contact Mr. Rupi Gill at (209) 557-6400

Sincerely,

A handwritten signature in blue ink, appearing to read "D. Warner", with a long horizontal flourish extending to the right.

David Warner  
Director of Permit Services

DW:rpg

Enclosures

**NOTICE OF FINAL ACTION  
FOR THE ISSUANCE OF AUTHORITY  
TO CONSTRUCT PERMIT**

NOTICE IS HEREBY GIVEN that the Air Pollution Control Officer has issued Authority to Construct permit to City of Lathrop for the installation of a 1,207 bhp emergency IC engine powering a stand-by electrical generator, at 2112 E Louise Ave Lathrop.

All comments received following the District's preliminary decision on this project were considered.

Comments received by the District during the public notice period resulted in no changes. These changes were minor and did not trigger additional public notification requirements, nor did they have any impact upon the Best Available Control Technology determination or on the amount of offsets required for project approval.

The application review for Project # N-1111679 is available for public inspection at [http://www.valleyair.org/notices/public\\_notices\\_idx.htm](http://www.valleyair.org/notices/public_notices_idx.htm) and the **SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT, 4800 ENTERPRISE WAY MODESTO, CA 95356.**





## AUTHORITY TO CONSTRUCT

PERMIT NO: N-8591-1-0

ISSUANCE DATE: 09/15/2011

LEGAL OWNER OR OPERATOR: CITY OF LATHROP  
MAILING ADDRESS: 390 TOWNE CENTRE DR  
LATHROP, CA 95330

LOCATION: 2112 E LOUISE AVE  
LATHROP, CA

**EQUIPMENT DESCRIPTION:**

1,207 BHP MITSUBISHI MODEL # S12A2-Y2PTAW-2 TIER 2 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

### CONDITIONS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
4. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115]
6. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 17 CCR 93115]
7. Emissions from this IC engine shall not exceed any of the following limits: 4.04 g-NOx/bhp-hr, 0.451.19 g-CO/bhp-hr, or 0.21 g-VOC/bhp-hr. [District Rule 2201, 17 CCR 93115]
8. Emissions from this IC engine shall not exceed 0.13 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 17 CCR 93115]
9. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702]

CONDITIONS CONTINUE ON NEXT PAGE

YOU **MUST** NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (209) 557-6400 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadreidi, Executive Director APCO

DAVID WARNER, Director of Permit Services

N-8591-1-0 : Sep 15 2011 2:08PM - GILLESPIE : Joint Inspection NOT Required

10. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]
11. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702]
12. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702]
13. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115]
14. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rule 4702, 17 CCR 93115]
15. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115]
16. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115]
17. U.S. EPA administers the requirements of 40 CFR Part 60 Subpart IIII and 40 CFR Part 63 Subpart ZZZZ. The owner or operator shall comply with the emission and operating limitations, testing requirements, initial and continuous compliance requirements as specified in these subparts. The owner or operator shall submit all applicable notifications, reports, and records to the administrator by the required compliance dates. [District Rules 4001 and 4002]