AUG - 9 2018

Tim Doyle
City of Tulare, Public Works, Water Department
3981 South K Street
Tulare, CA 93274

Re: Notice of Preliminary Decision - Authority to Construct
Facility Number: S-9229-1-0
Project Number: S-1182736

Dear Mr. Doyle:

Enclosed for your review and comment is the District's analysis of City of Tulare, Public Works, Water Department's application for an Authority to Construct for an emergency IC engine powering a generator, at 2975 Alpine Ave, Tulare, CA.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. After addressing all comments made during the 30-day public notice period, the District intends to issue the Authority to Construct. Please submit your written comments on this project within the 30-day public comment period, as specified in the enclosed public notice.

Thank you for your cooperation in this matter. If you have any questions regarding this matter, please contact Mr. Thomas Aguirre of Permit Services at (661) 392-5613.

Sincerely,

[Signature]

Arnaud Marjollet
Director of Permit Services

AM:ta

Enclosures

cc: Tung Le, CARB (w/ enclosure) via email
San Joaquin Valley Air Pollution Control District
Authority to Construct
Application Review
Diesel-Fired Emergency Standby IC Engine

Facility Name: City of Tulare, Public Works, Water Department
Mailing Address: 3981 South K Street
Contact Person: Tim Doyle
Telephone: 559-684-4286
E-mail: tdoyle@tulare.ca.gov
Application #: S-9229-1-0
Project #: S-1182736
Deemed Complete: July 11, 2018

Date: August 2, 2018
Engineer: Thomas Aguirre
Lead Engineer: Rich Karrs

I. Proposal

The City of Tulare, Public Works, Water Department is proposing to install a 755 bhp (intermittent) diesel-fired emergency standby internal combustion (IC) engine powering an electrical generator.

II. Applicable Rules

Rule 2201 New and Modified Stationary Source Review Rule (2/18/16)
Rule 2410 Prevention of Significant Deterioration (6/16/11)
Rule 2520 Federally Mandated Operating Permits (6/21/01)
Rule 4001 New Source Performance Standards (4/14/99)
Rule 4002 National Emission Standards for Hazardous Air Pollutants (5/20/04)
Rule 4101 Visible Emissions (2/17/05)
Rule 4102 Nuisance (12/17/92)
Rule 4201 Particulate Matter Concentration (12/17/92)
Rule 4701 Internal Combustion Engines - Phase 1 (8/21/03)
Rule 4702 Internal Combustion Engines (11/14/13)
Rule 4801 Sulfur Compounds (12/17/92)
CH&SC 41700 Health Risk Assessment
CH&SC 42301.6 School Notice
Title 17 CCR, Section 93115 - Airborne Toxic Control Measure (ATCM) for Stationary Compression-Ignition (CI) Engines
Public Resources Code 21000-21177: California Environmental Quality Act (CEQA)
California Code of Regulations, Title 14, Division 6, Chapter 3, Sections 15000-15387: CEQA Guideline
III. Project Location

The equipment will be located at 2975 Alpine Ave in Tulare CA.

The District has verified that the equipment is 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 applicable to this project.

IV. Process Description

The emergency standby engine powers an electrical generator. Other than emergency standby operation, the engine may be operated up to 50 hours per year for maintenance and testing purposes.

V. Equipment Listing

S-9229-1-0: 755 BHP (INTERMITTENT) CUMMINS MODEL QSX15-G9 NR2 TIER 2 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

VI. Emission Control Technology Evaluation

The applicant has proposed to install a Tier 2 certified diesel-fired IC engine that is fired on very low-sulfur diesel fuel.

The proposed engine meets the latest Tier Certification requirements for emergency standby engines; therefore, the engine meets the latest ARB/EPA emissions standards for diesel particulate matter, hydrocarbons, nitrogen oxides, and carbon monoxide (see Appendix C for a copy of the emissions data sheet and/or the ARB/EPA executive order).

The use of CARB certified diesel fuel (0.0015% by weight sulfur maximum) reduces SOx emissions by over 99% from standard diesel fuel.

VII. General Calculations

A. Assumptions

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency operating schedule:</td>
<td>24 hours/day</td>
</tr>
<tr>
<td>Non-emergency operating schedule:</td>
<td>50 hours/year</td>
</tr>
<tr>
<td>Density of diesel fuel:</td>
<td>7.1 lb/gal</td>
</tr>
<tr>
<td>EPA F-factor (adjusted to 60 °F):</td>
<td>9,051 dscf/MMBtu</td>
</tr>
<tr>
<td>Fuel heating value:</td>
<td>137,000 Btu/gal</td>
</tr>
<tr>
<td>BHP to Btu/hr conversion:</td>
<td>2,542.5 Btu/bhp-hr</td>
</tr>
<tr>
<td>Thermal efficiency of engine:</td>
<td>commonly ≈ 35%</td>
</tr>
<tr>
<td>PM₁₀ fraction of diesel exhaust:</td>
<td>0.96 (CARB, 1988)</td>
</tr>
</tbody>
</table>
The engine has certified NO\textsubscript{x} + VOC emissions of 3.90 g/bhp-hr. It will be assumed the NO\textsubscript{x} + VOC emission factor is split 95% NO\textsubscript{x} and 5% VOC (per the Carl Moyer program).

### B. Emission Factors

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Emission Factor (g/bhp-hr)</th>
<th>Emission Factor (g/kw-hr)</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO\textsubscript{x}</td>
<td>3.70</td>
<td></td>
<td>Cummins</td>
</tr>
<tr>
<td>SO\textsubscript{x}</td>
<td>0.0051</td>
<td></td>
<td>Mass Balance Equation Below</td>
</tr>
<tr>
<td>PM\textsubscript{10}</td>
<td>0.08</td>
<td></td>
<td>ARB/EPA Certification</td>
</tr>
<tr>
<td>CO</td>
<td>0.40</td>
<td></td>
<td>ARB/EPA Certification</td>
</tr>
<tr>
<td>VOC</td>
<td>0.20</td>
<td></td>
<td>Cummins</td>
</tr>
</tbody>
</table>

\[
\frac{0.000015 \text{ lb} - \text{S}}{\text{ fuel}} \times \frac{7.1 \text{ lb} - \text{fuel}}{\text{ gallon}} \times \frac{1.1 \text{ lb} - \text{SO}_2}{1 \text{ lb} - \text{S}} \times \frac{1 \text{ gal}}{137,000 \text{ Btu}} \times \frac{1 \text{ bhp input}}{0.35 \text{ bhp out}} \times \frac{2,542.5 \text{ Btu}}{\text{ bhp} - \text{hr}} \times \frac{453.6 \text{ g}}{\text{ lb}} = 0.0051 \frac{\text{g - SO}_2}{\text{ bhp} - \text{hr}}
\]

### C. Calculations

1. **Pre-Project Potential to Emit (PE1)**

Since this is a new emissions unit, PE1 = 0.

2. **Post-Project Potential to Emit (PE2)**

The daily and annual PE2 are calculated as follows:

Daily PE2 (lb-pollutant/day) = EF (g-pollutant/bhp-hr) x rating (bhp) 
\[\times \text{ operation (hr/day)} / 453.6 \text{ g/lb}\]

Annual PE2 (lb-pollutant/yr) = EF (g-pollutant/bhp-hr) x rating (bhp) 
\[\times \text{ operation (hr/yr)} / 453.6 \text{ g/lb}\]
<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Emissions Factor (g/bhp-hr)</th>
<th>Rating (bhp)</th>
<th>Daily Hours of Operation (hrs/day)</th>
<th>Annual Hours of Operation (hrs/year)</th>
<th>Daily PE2 (lb/day)</th>
<th>Annual PE2 (lb/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOₓ</td>
<td>3.70</td>
<td>755</td>
<td>24</td>
<td>50</td>
<td>147.8</td>
<td>308</td>
</tr>
<tr>
<td>SOₓ</td>
<td>0.0051</td>
<td>755</td>
<td>24</td>
<td>50</td>
<td>0.2</td>
<td>0</td>
</tr>
<tr>
<td>PM₁₀</td>
<td>0.08</td>
<td>755</td>
<td>24</td>
<td>50</td>
<td>3.2</td>
<td>7</td>
</tr>
<tr>
<td>CO</td>
<td>0.40</td>
<td>755</td>
<td>24</td>
<td>50</td>
<td>16.0</td>
<td>33</td>
</tr>
<tr>
<td>VOC</td>
<td>0.20</td>
<td>755</td>
<td>24</td>
<td>50</td>
<td>8.0</td>
<td>17</td>
</tr>
</tbody>
</table>

3. Pre-Project Stationary Source Potential to Emit (SSPE1)

Pursuant to District Rule 2201, the SSPE1 is the Potential to Emit (PE) from all units with valid Authorities to Construct (ATCs) or Permits to Operate (PTOs) at the Stationary Source and the quantity of Emission Reduction Credits (ERCs) which have been banked since September 19, 1991 for Actual Emissions Reductions (AER) that have occurred at the source, and which have not been used on-site.

Since this is a new facility, there are no valid ATCs, PTOs, or ERCs at the Stationary Source. Therefore, the SSPE1 is equal to zero.

4. Post-Project Stationary Source Potential to Emit (SSPE2)

Pursuant to District Rule 2201, the Post-Project Stationary Source Potential to Emit (SSPE2) is the PE from all units with valid ATCs or PTOs, except for emissions units proposed to be shut down as part of the Stationary Project, at the Stationary Source and the quantity of ERCs which have been banked since September 19, 1991 for AER that have occurred at the source, and which have not been used on-site.

For this project the change in emissions for the facility is due to the installation of the new emergency standby IC engine. Thus:

<table>
<thead>
<tr>
<th>Permit Unit</th>
<th>NOₓ</th>
<th>SOₓ</th>
<th>PM₁₀</th>
<th>CO</th>
<th>VOC</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSPE1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>S-9229-1-0</td>
<td>308</td>
<td>0</td>
<td>7</td>
<td>33</td>
<td>17</td>
</tr>
<tr>
<td>SSPE2</td>
<td>308</td>
<td>0</td>
<td>7</td>
<td>33</td>
<td>17</td>
</tr>
</tbody>
</table>
5. Major Source Determination

Rule 2201 Major Source Determination:

Pursuant to District Rule 2201, a Major Source is a stationary source with a SSPE2 equal to or exceeding one or more of the following threshold values. For the purposes of determining major source status the following shall not be included:
- any ERCs associated with the stationary source
- Emissions from non-road IC engines (i.e. IC engines at a particular site at the facility for less than 12 months)
- Fugitive emissions, except for the specific source categories specified in 40 CFR 51.165

<table>
<thead>
<tr>
<th>Rule 2201 Major Source Determination (lb/year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO&lt;sub&gt;x&lt;/sub&gt;</td>
</tr>
<tr>
<td>SSPE1</td>
</tr>
<tr>
<td>SSPE2</td>
</tr>
<tr>
<td>Major Source Threshold</td>
</tr>
<tr>
<td>Major Source?</td>
</tr>
</tbody>
</table>

As seen in the table above, the facility is not an existing Major Source and is not becoming a Major Source as a result of this project.

Rule 2410 Major Source Determination:

The facility is not an existing Major Source for PSD for at least one pollutant. Therefore the facility is not an existing Major Source for PSD.

6. Baseline Emissions (BE)

BE = Pre Project Potential to Emit for:
- Any unit located at a non-Major Source,
- Any Highly-Utilized Emissions Unit, located at a Major Source,
- Any Fully-Offset Emissions Unit, located at a Major Source, or
- Any Clean Emissions Unit, located at a Major Source.

otherwise,

BE = Historic Actual Emissions (HAE), calculated pursuant to District Rule 2201
Since this is a new emissions unit, BE = PE1 = 0 for all pollutants.

7. **SB 288 Major Modification**

SB 288 Major Modification is defined in 40 CFR Part 51.165 as "any physical change in or change in the method of operation of a major stationary source that would result in a significant net emissions increase of any pollutant subject to regulation under the Act."

Since this facility is not a major source for any of the pollutants addressed in this project, this project does not constitute an SB 288 major modification.

8. **Federal Major Modification**

District Rule 2201 states that a Federal Major Modification is the same as a "Major Modification" as defined in 40 CFR 51.165 and part D of Title I of the CAA.

Since this facility is not a Major Source for any pollutants, this project does not constitute a Federal Major Modification.

9. **Rule 2410 - Prevention of Significant Deterioration (PSD) Applicability Determination**

The project potential to emit, by itself, will not exceed any PSD major source thresholds. Therefore Rule 2410 is not applicable and no further discussion is required.

10. **Quarterly Net Emissions Change (QNEC)**

The QNEC is calculated solely to establish emissions that are used to complete the District’s PAS emissions profile screen. Detailed QNEC calculations are included in Appendix E.

**VIII. Compliance**

**Rule 2201 New and Modified Stationary Source Review Rule**

**A. Best Available Control Technology (BACT)**

1. **BACT Applicability**
BACT requirements are triggered on a pollutant-by-pollutant basis and on an emissions unit-by-emissions unit basis for the following:

a. Any new emissions unit with a potential to emit exceeding two pounds per day,
b. The relocation from one Stationary Source to another of an existing emissions unit with a potential to emit exceeding two pounds per day,
c. Modifications to an existing emissions unit with a valid Permit to Operate resulting in an AIPE exceeding two pounds per day, and/or
d. Any new or modified emissions unit, in a stationary source project, which results in an SB288 Major Modification or a Federal Major Modification, as defined by the rule.

As discussed in Section I, the facility is proposing to install a new emergency standby IC engine. Additionally, as determined in Sections VII.C.7 and VII.C.8, this project does not result in an SB288 Major Modification or a Federal Major Modification, respectively. Therefore, BACT can only be triggered if the daily emissions exceed 2.0 lb/day for any pollutant.

The daily emissions from the new engine are compared to the BACT threshold levels in the following table:

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Daily Emissions for the new unit (lb/day)</th>
<th>BACT Threshold (lb/day)</th>
<th>SSPE2 (lb/yr)</th>
<th>BACT Triggered?</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO\textsubscript{x}</td>
<td>147.8</td>
<td>&gt; 2.0</td>
<td>n/a</td>
<td>Yes</td>
</tr>
<tr>
<td>SO\textsubscript{x}</td>
<td>0.20</td>
<td>&gt; 2.0</td>
<td>n/a</td>
<td>No</td>
</tr>
<tr>
<td>PM\textsubscript{10}</td>
<td>3.2</td>
<td>&gt; 2.0</td>
<td>n/a</td>
<td>Yes</td>
</tr>
<tr>
<td>CO</td>
<td>16.0</td>
<td>&gt; 2.0 and SSPE2 ≥ 200,000 lb/yr</td>
<td>33</td>
<td>No</td>
</tr>
<tr>
<td>VOC</td>
<td>8.0</td>
<td>&gt; 2.0</td>
<td>n/a</td>
<td>Yes</td>
</tr>
</tbody>
</table>

As shown above, BACT will be triggered for NO\textsubscript{x}, PM\textsubscript{10} and VOC emissions from the engine for this project.

2. BACT Guideline

BACT Guideline 3.1.1, which appears in Appendix B of this report, covers diesel-fired emergency IC engines.

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1 Except for CO emissions from a new or modified emissions unit at a Stationary Source with an SSPE2 of less than 200,000 pounds per year of CO.
3. Top Down BACT Analysis

Per District Policy APR 1305, Section IX, "A top down BACT analysis shall be performed as a part of the Application Review for each application subject to the BACT requirements pursuant to the District's NSR Rule for source categories or classes covered in the BACT Clearinghouse, relevant information under each of the following steps may be simply cited from the Clearinghouse without further analysis."

Pursuant to the attached top down BACT Analysis, which appears in Appendix B of this report, BACT is satisfied with:

- **NOx**: Latest Available Tier Certification level for applicable horsepower*
- **VOC**: Latest Available Tier Certification level for applicable horsepower*
- **PM<sub>10</sub>**: 0.15 g/bhp-hr

*Note: The certification requirements for emergency engines are as follows: 50 ≤ bhp < 75 – Tier 4I; 75 ≤ bhp < 750 – Tier 3; ≥ 750 bhp – Tier 2.

The facility has proposed to install a 755 bhp Tier 2 certified IC engine (with a PM<sub>10</sub> emissions rate of 0.08 g/bhp-hr), and using very low sulfur diesel fuel. Therefore, BACT is satisfied for NOx, VOC, and PM<sub>10</sub>.

B. Offsets

1. Offset Applicability

Pursuant to Section 4.6.2 of this rule, offsets are not required for emergency IC engines. The engine in this project is an emergency IC engine; therefore, this exemption is applicable to this project.

However, even when there is an applicable exemption, the SSPE2 values are compared to the offset threshold to determine if offsets are triggered. In its PAS database, the District keeps track of facilities where offsets are triggered but an exemption applies. The SSPE2 values are compared to the offset trigger thresholds in the following table:

<table>
<thead>
<tr>
<th>Offset Determination (lb/year)</th>
<th>NOx</th>
<th>SOx</th>
<th>PM&lt;sub&gt;10&lt;/sub&gt;</th>
<th>CO</th>
<th>VOC</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSPE2</td>
<td>308</td>
<td>0</td>
<td>7</td>
<td>33</td>
<td>17</td>
</tr>
<tr>
<td>Offset Thresholds</td>
<td>20,000</td>
<td>54,750</td>
<td>29,200</td>
<td>200,000</td>
<td>20,000</td>
</tr>
<tr>
<td>Offsets Triggered?</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>
2. Quantity of Offsets Required

As shown in the table above, no offset thresholds are exceeded with this project. Further, as previously stated, the offset exemption from Section 4.6.2 of District Rule 2201 is applicable to this project; therefore, offset calculations are not necessary and offsets are not required.

C. Public Notification

1. Applicability

Public noticing is required for:

a. New Major Sources, SB288 Major Modifi cations, and Federal Major Modifi cations

As shown in Sections VII.C.5, VII.C.7, and VII.C.8, this facility is not a new Major Source, not an SB 288 Major Modification, and not a Federal Major Modification, respectively.

b. Any new emissions unit with a Potential to Emit greater than 100 pounds during any one day for any pollutant

As calculated in Section VII.C.2, daily emissions for NOx are greater than 100 lb/day.

c. Any project which results in the offset thresholds being surpassed

The SSPE1 and SSPE2 are compared to the offset thresholds in the following table.

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>SSPE1 (lb/year)</th>
<th>SSPE2 (lb/year)</th>
<th>Offset Threshold</th>
<th>Public Notice Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOx</td>
<td>0</td>
<td>308</td>
<td>20,000 lb/year</td>
<td>No</td>
</tr>
<tr>
<td>SOx</td>
<td>0</td>
<td>0</td>
<td>54,750 lb/year</td>
<td>No</td>
</tr>
<tr>
<td>PM10</td>
<td>0</td>
<td>7</td>
<td>29,200 lb/year</td>
<td>No</td>
</tr>
<tr>
<td>CO</td>
<td>0</td>
<td>33</td>
<td>200,000 lb/year</td>
<td>No</td>
</tr>
<tr>
<td>VOC</td>
<td>0</td>
<td>17</td>
<td>20,000 lb/year</td>
<td>No</td>
</tr>
</tbody>
</table>

As detailed above, there were no thresholds surpassed with this project; therefore public noticing is not required for offset purposes.
d. Any project with a Stationary Source Project Increase in Permitted Emissions (SSIPE) greater than 20,000 lb/year for any pollutant

For this project, the proposed engine is the only emissions unit that will generate an increase in Potential to Emit. Since the proposed engine emissions are well below 20,000 lb/year for all pollutants (See Section VII.C.2), the SSIPE for this project will be below the public notice threshold.

e. Any project which results in a Title V significant permit modification

Since this facility does not have a Title V operating permit, this change is not a Title V significant Modification, and therefore public noticing is not required.

2. Public Notice Action

As demonstrated above, this project will require public noticing. Therefore, public notice documents will be submitted to the California Air Resources Board (CARB) and a public notice will be published in a local newspaper of general circulation prior to the issuance of the ATC for this equipment.

D. Daily Emissions Limits

Daily Emissions Limitations (DELS) and other enforceable conditions are required by Rule 2201 to restrict a unit's maximum daily emissions, to a level at or below the emissions associated with the maximum design capacity. The DEL must be contained in the latest ATC and contained in or enforced by the latest PTO and enforceable, in a practicable manner, on a daily basis. Therefore, the following conditions will be listed on the ATC as a mechanism to ensure compliance:

- {4771} Emissions from this IC engine shall not exceed any of the following limits: 3.70 g-NOx/bhp-hr, 0.40 g-CO/bhp-hr, or 0.20 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115]

- {4772} Emissions from this IC engine shall not exceed 0.08 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115]

- {4258} Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115]
E. Compliance Assurance

1. Source Testing

Pursuant to District Policy APR 1705, source testing is not required for emergency standby IC engines to demonstrate compliance with District Rule 2201.

2. Monitoring

No monitoring is required to demonstrate compliance with District Rule 2201.

3. Recordkeeping

Recordkeeping requirements, in accordance with District Rule 4702, will be discussed in Section VIII, District Rule 4702, of this evaluation.

4. Reporting

No reporting is required to ensure compliance with District Rule 2201.

F. Ambient Air Quality Analysis (AAQA)

An AAQA shall be conducted for the purpose of determining whether a new or modified Stationary Source will cause or make worse a violation of an air quality standard. The District's Technical Services Division conducted the required analysis. Refer to Appendix D of this document for the AAQA summary sheet. The proposed location is in an attainment area for NOx, CO, and SOx. As shown by the AAQA summary sheet the proposed equipment will not cause a violation of an air quality standard for NOx, CO, or SOx.

The proposed location is in a non-attainment area for the state's PM\text{10} as well as federal and state PM\text{2.5} thresholds. As shown by the AAQA summary sheet the proposed equipment will not cause a violation of an air quality standard for PM\text{10} and PM\text{2.5}.

Rule 2410 Prevention of Significant Deterioration

As shown in Section VII.C.9 above, this project does not result in a new PSD major source or PSD major modification. No further discussion is required.

Rule 2520 Federally Mandated Operating Permits

Since this facility's potential to emit does not exceed any Major Source thresholds of Rule 2201, this facility is not a Major Source, and Rule 2520 does not apply.
Rule 4001 New Source Performance Standards (NSPS)

40 CFR 60 Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

The District has not been delegated the authority to implement Subpart III requirements for non-Major Sources; therefore, no requirements shall be included on the permit.

Rule 4002 National Emission Standards for Hazardous Air Pollutants


The District has not been delegated the authority to implement NESHAP regulations for Area Source requirements for non-Major Sources; therefore, no requirements shall be included on the permit.

Rule 4101 Visible Emissions

Rule 4101 states that 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. Therefore, the following condition will be listed on the ATC as a mechanism to ensure compliance:

- {15} 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]

Rule 4102 Nuisance

Rule 4102 states that no air contaminant shall be released into the atmosphere which causes a public nuisance. Public nuisance conditions are not expected as a result of these operations, provided the equipment is well maintained. Therefore, the following condition will be listed on the ATC as a mechanism to ensure compliance:

- {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

California Health & Safety Code 41700 (Health Risk Assessment)

District Policy APR 1905 – Risk Management Policy for Permitting New and Modified Sources specifies that for an increase in emissions associated with a proposed new source or modification, the District perform an analysis to determine the possible impact to the nearest resident or worksite.
An HRA is not required for a project with a total facility prioritization score of less than one. According to the Technical Services Memo for this project (Appendix D), the total facility prioritization score including this project was greater than one. Therefore, an HRA was required to determine the short-term acute and long-term chronic exposure from this project.

<table>
<thead>
<tr>
<th>RMR Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Categories</td>
</tr>
<tr>
<td>Prioritization Score</td>
</tr>
<tr>
<td>Acute Hazard Index</td>
</tr>
<tr>
<td>Chronic Hazard Index</td>
</tr>
<tr>
<td>Maximum Individual Cancer Risk</td>
</tr>
<tr>
<td>T-BACT Required?</td>
</tr>
<tr>
<td>Special Permit Conditions?</td>
</tr>
</tbody>
</table>

*Prioritization for this unit was not conducted since it has been determined that all diesel-fired IC engines will result in a prioritization score greater than 1.0.
**Acute Hazard index was not calculated since there is no risk factor or the risk factor is so low that it has been determined to be insignificant for this type of unit

**Discussion of T-BACT**

BACT for toxic emission control (T-BACT) is required if the cancer risk exceeds one in one million. As demonstrated above, T-BACT is not required for this project because the HRA indicates that the risk is not above the District’s thresholds for triggering T-BACT requirements; therefore, compliance with the District’s Risk Management Policy is expected.

District policy APR 1905 also specifies that the increase in emissions associated with a proposed new source or modification not have acute or chronic indices, or a cancer risk greater than the District’s significance levels (i.e. acute and/or chronic indices greater than 1 and a cancer risk greater than 20 in a million). As outlined by the Technical Services Memo in Appendix D of this report, the emissions increases for this project were determined to be less than significant.

The following conditions will be listed on the ATC as a mechanism to ensure compliance with the RMR:

- {1898} 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]

- {4772} Emissions from this IC engine shall not exceed 0.08 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115]
• (4920) 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 Rules 2201, 4102, and 4702, and 17 CCR 93115]

Rule 4201  Particulate Matter Concentration

Rule 4201 limits particulate matter emissions from any single source operation to 0.1 g/dscf, which, as calculated below, is equivalent to a PM\(_{10}\) emission factor of 0.4 g-PM\(_{10}\)/bhp-hr.

\[
0.1 \frac{\text{grain} - \text{PM}}{\text{dscf}} \times \frac{g}{15.43 \text{ grain}} \times \frac{\text{Btu}_{\text{in}}}{0.35 \text{ Btu}_{\text{out}}} \times \frac{9,051 \text{ dscf}}{10^6 \text{ Btu}} \times \frac{2,542.5 \text{ Btu}}{1 \text{ bhp} - \text{hr}} \times \frac{0.96 g - \text{PM}}{1 \text{ g} - \text{PM}} = 0.4 \frac{g - \text{PM}}{\text{bhp} - \text{hr}}
\]

The new engine has a PM\(_{10}\) emission factor less than 0.4 g/bhp-hr. Therefore, compliance is expected and the following condition will be listed on the ATC as a mechanism to ensure compliance:

• (14) Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]

Rule 4701  Internal Combustion Engines - Phase 1

The purpose of this rule is to limit the emissions of nitrogen oxides (NOx), carbon monoxide (CO), and volatile organic compounds (VOC) from internal combustion engines. Except as provided in Section 4.0, the provisions of this rule apply to any internal combustion engine, rated greater than 50 bhp, that requires a PTO.

The proposed engine is also subject to District Rule 4702, Internal Combustion Engines. Since emissions limits of District Rule 4702 and all other requirements are equivalent or more stringent than District Rule 4701 requirements for emergency engines, compliance with District Rule 4702 requirements will satisfy requirements of District Rule 4701.

Rule 4702  Internal Combustion Engines

Emergency standby engines are subject to District Rule 4702 requirements. Emergency standby engines are defined in Section 3.0 of District Rule 4702 as follows:

3.15 Emergency Standby Engine: an internal combustion engine which operates as a temporary replacement for primary mechanical or electrical power during an unscheduled outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the operator. An engine shall be considered to be an emergency standby engine if it
is used only for the following purposes: (1) periodic maintenance, periodic readiness testing, or readiness testing during and after repair work; (2) unscheduled outages, or to supply power while maintenance is performed or repairs are made to the primary power supply; and (3) if it is limited to operate 100 hours or less per calendar year for non-emergency purposes. An engine shall not be considered to be an emergency standby engine if it is used: (1) to reduce the demand for electrical power when normal electrical power line service has not failed, or (2) to produce power for the utility electrical distribution system, or (3) in conjunction with a voluntary utility demand reduction program or interruptible power contract.

Emergency standby engines cannot be used to reduce the demand for electrical power when normal electrical power line service has not failed, or to produce power for the electrical distribution system, or in conjunction with a voluntary utility demand reduction program or interruptible power contract. The following conditions will be included on the permit:

- {3807} 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 and 17 CCR 93115]

- {3808} 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 and 17 CCR 93115]

The 100 hour requirement is less stringent than the Air Toxic Control Measure operating limitations for emergency standby engines. Therefore, compliance with the applicable Air Toxic Control Measure requirements ensures compliance with the 100 hour requirement.

Operation of emergency standby engines are limited to 100 hours or less per calendar year for non-emergency purposes. The Air Toxic Control Measure for Stationary Compression Ignition Engines (Stationary ATCM) limits this engine's maintenance and testing to 50 hours/year; therefore, compliance is expected. The following conditions will be included on the permit:

- {4920} 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 Rules 2201, 4102, and 4702, and 17 CCR 93115]

The following exemption in Section 4.2 of District Rule 4702 applies to emergency standby engines:
4.2 Except for the requirements of Section 5.9 and Section 6.2.3, the requirements of this rule shall not apply to:

4.2.1 An emergency standby engine as defined in Section 3.0 of this rule, and provided that it is operated with a nonresettable elapsed operating time meter. In lieu of a nonresettable time meter, the owner of an emergency engine may use an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO. The owner of the engine shall properly maintain and operate the time meter or alternative device in accordance with the manufacturer’s instructions.

Pursuant to the exemption in Section 4.2, the following requirements of Section 5.9 are applicable to emergency standby engines

Section 5.9 requires the owner to:

5.9.2 Properly operate and maintain each engine as recommended by the engine manufacturer or emission control system supplier.

5.9.3 Monitor the operational characteristics of each engine as recommended by the engine manufacturer or emission control system supplier.

5.9.4 Install and operate a nonresettable elapsed operating time meter. In lieu of installing a nonresettable time meter, the owner of an engine may use an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO and is allowed by Permit-to-Operate or Permit-Exempt Equipment Registration condition. The owner of the engine shall properly maintain and operate the time meter or alternative device in accordance with the manufacturer’s instructions.

Properly operate and maintain each engine as recommended by the engine manufacturer or emission control system supplier. The following condition will be included on the permit:

- [4261] 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]

Monitor the operational characteristics of each engine as recommended by the engine manufacturer or emission control system supplier. The following condition will be included on the permit:

- [3478] 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]

Install and operate a nonresettable elapsed time meter. In lieu of installing a nonresettable elapsed time meter, the operator may use an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO and EPA and is allowed by Permit-to-Operate condition. The operator shall properly maintain and operate the nonresettable elapsed time meter or alternative device in accordance with the manufacturer’s instructions. The following condition will be included on the permit:

- {4749} This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator’s compliance history. [District Rule 4702 and 17 CCR 93115]

The exemption in Rule 4702 Section 4.2 for emergency standby engines requires the engines to comply with Section 6.2.3, shown below.

6.2.3 An owner claiming an exemption under Section 4.2 or Section 4.3 shall maintain annual operating records. This information shall be retained for at least five years, shall be readily available, and provided to the APCO upon request. The records shall include, but are not limited to, the following:

6.2.3.1 Total hours of operation,
6.2.3.2 The type of fuel used,
6.2.3.3 The purpose for operating the engine,
6.2.3.4 For emergency standby engines, all hours of non-emergency and emergency operation shall be reported, and
6.2.3.5 Other support documentation necessary to demonstrate claim to the exemption.

Records of the total hours of operation, type of fuel used, purpose for operating the engine, all hours of non-emergency and emergency operation, and other support documentation must be maintained. All records shall be retained for a period of at least five years, shall be readily available, and be made available to the APCO upon request. The following conditions will be included on the permit:

- {3496} 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]

- {4263} The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115]

- {3475} 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]

**Rule 4801  Sulfur Compounds**

Rule 4801 requires that sulfur compound emissions (as SO\(_2\)) shall not exceed 0.2% by volume. Using the ideal gas equation, the sulfur compound emissions are calculated as follows:

\[
\text{Volume SO}_2 = \frac{(n \times R \times T)}{P}
\]

\(n = \text{moles SO}_2\)

\(T\) (standard temperature) = 60 °F or 520 °R

\(R\) (universal gas constant) = \(\frac{10.73 \text{ psi} \cdot \text{ft}^3}{\text{lb} \cdot \text{mol} \cdot ^\circ \text{R}}\)

\[
\frac{0.000015 \text{ lb} - S}{\text{gal}} \times \frac{7.1 \text{ lb}}{64 \text{ lb} - \text{SO}_2} \times \frac{1 \text{ MMBtu}}{9,051 \text{ scf}} \times \frac{1 \text{ gal}}{0.137 \text{ MMBtu}} \times \frac{\text{lb} - \text{mol}}{64 \text{ lb} - \text{SO}_2} \times \frac{10.73 \text{ psi} - \text{R}^3}{\text{lb} - \text{mol} - ^\circ \text{R}} \times \frac{520^\circ \text{R}}{14.7 \text{ psi}} \times 1,000,000 = 1.0 \text{ ppmv}
\]

Since 1.0 ppmv is \(\leq 2,000\) ppmv, this engine is expected to comply with Rule 4801. Therefore, the following condition will be listed on the ATC as a mechanism to ensure compliance:

- {4258} Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115]

**California Health & Safety Code 42301.6  (School Notice)**

The District has verified that this engine is located within 1,000 feet of the following school:

School Name: Alpine Vista School  
Address: 2975 Alpine Ave, Tulare, CA 93274

Therefore, pursuant to California Health and Safety Code 42301.6, a school notice is required.
Prior to the issuance of the ATC for this equipment, notices will be provided to the parents/guardians of all students of the affected school, and will be sent to all residents within 1,000 feet of the site.

Since a school notice has been triggered (due to the above-listed school within 1,000 feet of the emission source), notices will also be provided to the parents/guardians of all students from all school sites within one-quarter mile of the emission source. The following school is within one-quarter mile of the emission source:

**School Name:** Mission Oak High School  
**Address:** 3442 E Bardsley Ave, Tulare, CA 93274

**Title 17 California Code of Regulations (CCR), Section 93115 - Airborne Toxic Control Measure (ATCM) for Stationary Compression-Ignition (CI) Engines**

The following requirements apply to new engines (those installed after 1/1/05):

<table>
<thead>
<tr>
<th>Title 17 CCR Section 93115 Requirements for New Emergency IC Engines Powering Electrical Generators</th>
<th>Proposed Method of Compliance with Title 17 CCR Section 93115 Requirements</th>
</tr>
</thead>
</table>
| Emergency engine(s) must be fired on CARB diesel fuel, or an approved alternative diesel fuel. | The applicant has proposed the use of CARB certified diesel fuel. The proposed permit condition, requiring the use of CARB certified diesel fuel, is included on the permit.  
- {4258} Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115] |
| The engine(s) must meet the emission standards in Table 1 of the ATCM for the specific power rating and model year of the proposed engine. | The applicant has proposed the use of an engine that is certified to the latest EPA Tier Certification standards for the applicable horsepower range, guaranteeing compliance with the emission standards of the ATCM. Additionally, the proposed diesel PM emissions rate is less than or equal to 0.15 g/bhp-hr. |
| The engine may not be operated more than 50 hours per year for maintenance and testing purposes unless the PM emissions are ≤ 0.01 g/bhp-hr, then the engine is allowed 100 hours per year. Emissions from this engine are certified at 0.08 g/bhp-hr, therefore the engine is allowed 50 hours. | The following conditions will be included on the permit:  
- {4772} Emissions from this IC engine shall not exceed 0.08 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115]  
- {4920} 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,
| Engines, with a PM10 emissions rate greater than 0.01 g/bhp-hr and located at schools, may not be operated for maintenance and testing whenever there is a school sponsored activity on the grounds. Additionally, engines located within 500 feet of school grounds may not be operated for maintenance and testing between 7:30 AM and 3:30 PM | The following condition will be included on the permit:  

- {3416} If this engine is located on the grounds of a K-12 school, or if this engine is located within 500 feet of the property boundary of a K-12 school, the engine shall not be operated for non-emergency purposes, including maintenance and testing, between 7:30 a.m. and 3:30 p.m. on days when school is in session. [17 CCR 93115] |
|---|---|
| A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed upon engine installation, or by no later than January 1, 2005, on all engines subject to all or part of the requirements of sections 93115.6, 93115.7, or 93115.8(a) unless the District determines on a case-by-case basis that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. | The following condition will be included on the permit:  

- {4749} This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] |
| An owner or operator shall maintain monthly records of the following: emergency use hours of operation; maintenance and testing hours of operation; hours of operation for emission testing; initial start-up testing hours; hours of operation for all other uses; and the type of fuel used. All records shall be retained for a minimum of 36 months. | The following condition will be included on the permit:  

- {3496} 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] |
California Environmental Quality Act (CEQA)

The California Environmental Quality Act (CEQA) requires each public agency to adopt objectives, criteria, and specific procedures consistent with CEQA Statutes and the CEQA Guidelines for administering its responsibilities under CEQA, including the orderly evaluation of projects and preparation of environmental documents. The San Joaquin Valley Unified Air Pollution Control District (District) adopted its Environmental Review Guidelines (ERG) in 2001. The basic purposes of CEQA are to:

- Inform governmental decision-makers and the public about the potential, significant environmental effects of proposed activities.
- Identify the ways that environmental damage can be avoided or significantly reduced.
- Prevent significant, avoidable damage to the environment by requiring changes in projects through the use of alternatives or mitigation measures when the governmental agency finds the changes to be feasible.
- Disclose to the public the reasons why a governmental agency approved the project in the manner the agency chose if significant environmental effects are involved.

The District performed an Engineering Evaluation (this document) for the proposed project and determined that the project qualifies for ministerial approval under the District’s Guideline for Expedited Application Review (GEAR). Section 21080 of the Public Resources Code exempts from the application of CEQA those projects over which a public agency exercises only ministerial approval. Therefore, the District finds that this project is exempt from the provisions of CEQA.

Indemnification Agreement/Letter of Credit Determination

According to District Policy APR 2010 (CEQA Implementation Policy), when the District is the Lead or Responsible Agency for CEQA purposes, an indemnification agreement and/or a letter of credit may be required. The decision to require an indemnity agreement and/or a letter of credit is based on a case-by-case analysis of a particular project’s potential for litigation risk, which in turn may be based on a project’s potential to generate public concern, its potential for significant impacts, and the project proponent’s ability to pay for the costs of litigation without a letter of credit, among other factors.

As described above, the project requires only ministerial approval, and is exempt from the provisions of CEQA. As such, an Indemnification Agreement or a Letter of Credit will not be required for this project in the absence of expressed public concern.
IX. Recommendation

Pending a successful NSR public noticing and successful school public noticing period, issue Authority to Construct S-9229-1-0 subject to the permit conditions on the attached draft ATC in Appendix A.

X. Billing Information

<table>
<thead>
<tr>
<th>Billing Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permit Number</td>
</tr>
<tr>
<td>S-9229-1-0</td>
</tr>
</tbody>
</table>

Appendices

A. Draft ATC and Emissions Profile
B. BACT Guideline and BACT Analysis
C. Emissions Data Sheet
D. RMR and AAQA
E. QNEC Calculations
Appendix A
Draft ATC
San Joaquin Valley  
Air Pollution Control District

AUTHORITY TO CONSTRUCT

PERMIT NO: S-9229-1-0

LEGAL OWNER OR OPERATOR: CITY OF TULARE, PUBLIC WORKS, WATER DEPT
MAILING ADDRESS: 3981 SOUTH K STREET  
TULARE, CA 93274

LOCATION: 2975 ALPINE AVENUE  
TULARE, CA

EQUIPMENT DESCRIPTION:
755 BHP (INTERMITTENT) CUMMINS MODEL QSX15-G9 NR2 TIER 2 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

CONDITIONS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

2. {15} 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. {14} Particulate matter emissions shall not exceed 0.1 grains/scf in concentration. [District Rule 4201]

4. {1898} 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. {3416} If this engine is located on the grounds of a K-12 school, or if this engine is located within 500 feet of the property boundary of a K-12 school, the engine shall not be operated for non-emergency purposes, including maintenance and testing, between 7:30 a.m. and 3:30 p.m. on days when school is in session. [17 CCR 93115]

6. {4749} This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator’s compliance history. [District Rule 4702 and 17 CCR 93115]

7. {4258} Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 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.

Samir Sheikh, Executive Director, APCO

Arnaud Marjollet, Director of Permit Services
S-9229-1-0 Aug 2018 1:30 PM - AQUIFIRE - Joint Inspection NOT Required
Southern Regional Office • 34948 Floryear Court • Bakersfield CA 93308 • (661) 392-5500 • Fax (661) 392-5589
8. Emissions from this IC engine shall not exceed any of the following limits: 3.70 g-NOx/bhp-hr, 0.40 g-CO/bhp-hr, or 0.20 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115]

9. Emissions from this IC engine shall not exceed 0.08 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115]

10. {4261} 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]

11. {3478} 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]

12. {3807} 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 and 17 CCR 93115]

13. {3808} 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 and 17 CCR 93115]

14. {3496} 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]

15. {4920} 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 Rules 2201, 4102, and 4702, and 17 CCR 93115]

16. {4263} The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115]

17. {3475} 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]
Appendix B
BACT Guideline and BACT Analysis
San Joaquin Valley
Unified Air Pollution Control District

Best Available Control Technology (BACT) Guideline 3.1.1
Last Update: 9/10/2013
Emergency Diesel IC Engine

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Achieved in Practice or in the SIP</th>
<th>Technologically Feasible</th>
<th>Alternate Basic Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO</td>
<td>Latest EPA Tier Certification level for applicable horsepower range*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NOX</td>
<td>Latest EPA Tier Certification level for applicable horsepower range*</td>
<td>0.15 g/bhp-hr or the Latest EPA Tier Certification level for applicable horsepower range, whichever is more stringent (ATCM)</td>
<td></td>
</tr>
<tr>
<td>PM10</td>
<td>Very low sulfur diesel fuel (15 ppmw sulfur or less)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOX</td>
<td>Latest EPA Tier Certification level for applicable horsepower range*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VOC</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Note: The certification requirements are as follows: for emergency engines \(50 \leq \text{bhp} < 75\) - Tier 4 Interim; for emergency engines \(75 \leq \text{bhp} < 750\) - Tier 3; for emergency engines \(\geq 750\) bhp - Tier 2.

BACT is the most stringent control technique for the emissions unit and class of source. Control techniques that are not achieved in practice or contained in a state implementation plan must be cost effective as well as feasible. Economic analysis to demonstrate cost effectiveness is required for all determinations that are not achieved in practice or contained in an EPA approved State Implementation Plan.
Top Down BACT Analysis for the Emergency IC Engine

BACT Guideline 3.1.1 (September 10, 2013) applies to emergency diesel IC engines. In accordance with the District BACT policy, information from that guideline will be utilized without further analysis.

1. BACT Analysis for NOx, VOC Emissions:

a. Step 1 - Identify all control technologies

BACT Guideline 3.1.1 identifies only the following option:

- Latest EPA Tier Certification level for applicable horsepower range

To determine the latest applicable Tier level, the following EPA and state regulations were consulted:

- 40 CFR Part 89 – Control of Emissions from New and In-Use Nonroad Compression – Ignition Engines
- 40 CFR Part 1039 – Control of Emissions from New and In-Use Nonroad Compression-Ignition Engines
- Title 17 CCR, Section 93115 - Airborne Toxic Control Measure (ATCM) for Stationary Compression-Ignition (CI) Engines

40 CFR Parts 89 and 1039, which apply only to nonroad engines, do not directly apply because the proposed emergency engine does not meet the definition of a nonroad engine. Therefore, only Title 17 CCR, Section 93115 applies directly to the proposed emergency engine.

Title 17 CCR, Section 93115.6(a)(3)(A) (CARB stationary diesel engine ATCM) applies to emergency standby diesel-fired engines and requires that such engines be certified to the emission levels in Table 1 (below).
<table>
<thead>
<tr>
<th>Maximum Engine Power</th>
<th>Tier</th>
<th>Model Year(s)</th>
<th>PM</th>
<th>NMHC+NOx</th>
<th>CO</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 ≤ HP &lt; 75 (37 ≤ kW &lt; 56)</td>
<td>2</td>
<td>2007</td>
<td>0.15 (0.20)</td>
<td>5.6 (7.5)</td>
<td>3.7 (5.0)</td>
</tr>
<tr>
<td></td>
<td>4i</td>
<td>2008+</td>
<td></td>
<td>3.5 (4.7)</td>
<td></td>
</tr>
<tr>
<td>75 ≤ HP &lt; 100 (56 ≤ kW &lt; 75)</td>
<td>2</td>
<td>2007</td>
<td>0.15 (0.20)</td>
<td>5.6 (7.5)</td>
<td>3.7 (5.0)</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>2008+</td>
<td></td>
<td>3.5 (4.7)</td>
<td></td>
</tr>
<tr>
<td>100 ≤ HP &lt; 175 (75 ≤ kW &lt; 130)</td>
<td>3</td>
<td>2007</td>
<td>0.15 (0.20)</td>
<td>3.0 (4.0)</td>
<td>3.7 (5.0)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2008+</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>175 ≤ HP &lt; 300 (130 ≤ kW &lt; 225)</td>
<td>3</td>
<td>2007</td>
<td>0.15 (0.20)</td>
<td>3.0 (4.0)</td>
<td>2.6 (3.5)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2008+</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>300 ≤ HP &lt; 600 (225 ≤ kW &lt; 450)</td>
<td>3</td>
<td>2007</td>
<td>0.15 (0.20)</td>
<td>3.0 (4.0)</td>
<td>2.6 (3.5)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2008+</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>600 ≤ HP &lt; 750 (450 ≤ kW ≤ 560)</td>
<td>3</td>
<td>2007</td>
<td>0.15 (0.20)</td>
<td>3.0 (4.0)</td>
<td>2.6 (3.5)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2008+</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HP &gt; 750 (kW &gt; 560)</td>
<td>2</td>
<td>2007</td>
<td>0.15 (0.20)</td>
<td>4.8 (6.4)</td>
<td>2.6 (3.5)</td>
</tr>
</tbody>
</table>

Therefore, the most stringent applicable emission standards are those listed in the CARB ATCM (Table 1).

For IC engines rated greater than or equal to 50 hp and less than 75 hp, the highest Tier required is Tier 4i. For IC engines rated greater than or equal to 75 hp and less than 750 hp, the highest Tier required is Tier 3. For engines rated equal to or greater than 750 hp, the highest Tier required is Tier 2.

Also, please note that neither the state ATCM nor the Code of Federal Regulations require the installation of IC engines meeting a higher Tier standard than those listed above for emergency applications, due to concerns regarding the effectiveness of the exhaust emissions controls during periods of short-term operation (such as testing operational readiness of an emergency engine).

The proposed engine is rated at 755 hp. Therefore, the applicable control technology option is EPA Tier 2 certification.

### b. Step 2 - Eliminate technologically infeasible options

The control option listed in Step 1 is not technologically infeasible.

### c. Step 3 - Rank remaining options by control effectiveness

No ranking needs to be done because there is only one control option listed in Step 1.
d. Step 4 - Cost Effectiveness Analysis

The applicant has proposed the only control option remaining under consideration. Therefore, a cost effectiveness analysis is not required.

e. Step 5 - Select BACT

BACT for NOx and VOC will be the use of an EPA Tier 2 certified engine. The applicant is proposing such a unit. Therefore, BACT will be satisfied.
2. BACT Analysis for PM\textsubscript{10} Emissions:

a. Step 1 - Identify all control technologies

BACT Guideline 3.1.1 identifies only the following option:

- \(0.15\,\text{g/hp-hr or the Latest EPA Tier Certification level for applicable horsepower range, whichever is more stringent. (ATCM)}\)

The latest EPA Tier Certification level for an engine of the proposed model year and horsepower rating is Tier 2. Refer to the Top-Down BACT analysis for NO\textsubscript{x} for a discussion regarding the determination of the EPA Tier level to be considered.

Please note Tier 2, 3, or 4 IC engines do not have a PM emission standard that is more stringent than \(0.15\,\text{g/hp-hr}\). Additionally, the ATCM requires a PM emission standard of \(0.15\,\text{g/hp-hr}\) for all new emergency diesel IC engines.

Therefore, a PM/PM\textsubscript{10} emission standard of \(0.15\,\text{g/hp-hr}\) is required as BACT.

b. Step 2 - Eliminate technologically infeasible options

The control option listed in Step 1 is not technologically infeasible.

c. Step 3 - Rank remaining options by control effectiveness

No ranking needs to be done because there is only one control option listed in Step 1.

d. Step 4 - Cost Effectiveness Analysis

The applicant has proposed the only control option remaining under consideration. Therefore, a cost effectiveness analysis is not required.

e. Step 5 - Select BACT

BACT for PM\textsubscript{10} is emissions of \(0.15\,\text{g/hp-hr}\) or less. The applicant is proposing an engine that meets this requirement. Therefore, BACT will be satisfied.
Appendix C
Emissions Data Sheet
2017 EPA Tier 2 exhaust emission compliance statement
450DFEJ
Stationary emergency
60 Hz Diesel generator set

Compliance information:
The engine used in this generator set complies with Tier 2 emissions limit of U.S. EPA New Source Performance Standards for stationary emergency engines under the provisions of 40 CFR 60 Subpart III when tested per ISO8178 D2.

Engine manufacturer: Cummins Inc.
EPA certificate number: HCEXL015.AAJ-034
Effective date: 11/21/2016
Date issued: 11/21/2016
EPA engine family (Cummins emissions family): HCEXL015.AAJ (J103)

Engine information:
Model: QSX/QSX15/QSX15-G/QSX15-G9
Bore: 5.39 in. (137 mm)
Engine nameplate HP: 755
Stroke: 6.65 in. (169 mm)
Type: 4 cycle, in-line, 6 cylinder diesel
Displacement: 912 cu. in. (15 liters)
Aspiration: Turbocharged and CAC
Compression ratio: 17:0:1
Emission control device: Electronic control
Exhaust stack diameter: 8 in.

Diesel fuel emission limits
D2 cycle exhaust emissions

<table>
<thead>
<tr>
<th>NOx + NMHC</th>
<th>CO</th>
<th>PM</th>
<th>NOx + NMHC</th>
<th>CO</th>
<th>PM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grams per BHP-hr</td>
<td></td>
<td></td>
<td>Grams per kWm-hr</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test results - diesel fuel (300-4000 ppm sulfur)</td>
<td>4.3</td>
<td>0.4</td>
<td>0.10</td>
<td>5.7</td>
<td>0.6</td>
</tr>
<tr>
<td>EPA emissions limit</td>
<td>4.8</td>
<td>2.6</td>
<td>0.15</td>
<td>6.4</td>
<td>3.5</td>
</tr>
<tr>
<td>Test results - CARB diesel fuel (&lt;15 ppm sulfur)</td>
<td>3.9</td>
<td>0.4</td>
<td>0.08</td>
<td>5.2</td>
<td>0.8</td>
</tr>
<tr>
<td>CARB emissions limit</td>
<td>4.8</td>
<td>2.6</td>
<td>0.15</td>
<td>6.4</td>
<td>3.5</td>
</tr>
</tbody>
</table>

The CARB emission values are based on CARB approved calculations for converting EPA (500 ppm) fuel to CARB (15 ppm) fuel.

Test methods: EPA/CARB Nonroad emissions recorded per 40CFR88 (ref. ISO8178-1) and weighted at load points prescribed in Subpart E, Appendix A for Constant Speed Engines (ref. ISO8178-4, D2).

Diesel fuel specifications: Cetane Number: 40-48. Reference: ASTM D975 No. 2-D.

Reference conditions: Air Inlet Temperature: 25 °C (77 °F), Fuel Inlet Temperature: 40 °C (104 °F).
Barometric Pressure: 100 kPa (29.53 in Hg), Humidity: 10.7 g/kg (75 grains H2O/ft) of dry air; required for NOx correction.
Restrictions: Intake Restriction set to a maximum allowable limit for clean filter; Exhaust Back Pressure set to a maximum allowable limit.

Tests conducted using alternate test methods, instrumentation, fuel or reference conditions can yield different results. Engine operation with excessive air intake or exhaust restriction beyond published maximum limits, or with improper maintenance, may result in elevated emission levels.
Appendix D
Technical Services Memo and AAQA
San Joaquin Valley Air Pollution Control District
Risk Management Review

To: Thomas Aguirre – Permit Services
From: Will Worthley – Technical Services
Date: July 13, 2018
Facility Name: City of Tulare, Public Works
Location: 2975 Alpine Avenue, Tulare
Application #(s): S-9229-1-0
Project #: S-1182736

A. RMR SUMMARY

<table>
<thead>
<tr>
<th>Units</th>
<th>Prioritization Score</th>
<th>Acute Hazard Index</th>
<th>Chronic Hazard Index</th>
<th>Maximum Individual Cancer Risk</th>
<th>T-BACT Required?</th>
<th>Special Permit Requirements?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit 1-0</td>
<td>NA(^1)</td>
<td>NA(^2)</td>
<td>0.00</td>
<td>8.06E-07</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>(755 BHP DICE)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Project Totals</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>8.06E-07</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Facility Totals</td>
<td>&gt;1</td>
<td>0.00</td>
<td>0.00</td>
<td>8.06E-07</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

\(^1\)Prioritization for this unit was not conducted since it has been determined that all diesel-fired IC engines will result in a prioritization score greater than 1.0.

\(^2\)Acute Hazard Index was not calculated since there is no risk factor or the risk factor is so low that it has been determined to be insignificant for this type of unit.

Proposed Permit Requirements

To ensure that human health risks will not exceed District allowable levels; the following shall be included as requirements for:

Unit # 1-0

1. The PM10 emissions rate shall not exceed 0.08 g/bhp-hr based on US EPA certification using ISO 8178 test procedure.
2. 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.
3. 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.
B. RMR REPORT

I. Project Description

Technical Services received a request on July 12, 2018, to perform an Ambient Air Quality Analysis and a Risk Management Review for a 755 BHP diesel-fired emergency standby IC engine powering an electoral generator.

II. Analysis

Toxic emissions for this proposed unit were calculated and provided by the processing engineer for diesel particulate matter, and input into the San Joaquin Valley APCD’s Hazard Assessment and Reporting Program (SHARP). Prioritization for this unit was not conducted since it has been determined that all diesel-fired IC engines will result in a prioritization score greater than 1.0. The prioritization score for this proposed facility was greater than 1.0 (see RMR Summary Table). Therefore, a refined health risk assessment was required. The AERMOD model was used, with the parameters outlined below and meteorological data for 2007-2010 from Visalia to determine the dispersion factors (i.e., the predicted concentration or X divided by the normalized source strength or Q) for a receptor grid. These dispersion factors were input into the SHARP Program, which then used the Air Dispersion Modeling and Risk Tool (ADMR&T) of the Hot Spots Analysis and Reporting Program Version 2 (HARP 2) to calculate the chronic and acute hazard indices and the carcinogenic risk for the project.

The following parameters were used for the review:

<table>
<thead>
<tr>
<th>Analysis Parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Unit 1-0</strong></td>
</tr>
<tr>
<td>Source Type</td>
</tr>
<tr>
<td>Stack Height (m)</td>
</tr>
<tr>
<td>Stack Diameter (m)</td>
</tr>
<tr>
<td>Stack Exit Velocity (m/s)</td>
</tr>
<tr>
<td>Stack Exit Temp. (°K)</td>
</tr>
<tr>
<td>Location Type</td>
</tr>
<tr>
<td>Closest Receptor (m)</td>
</tr>
<tr>
<td>Type of Receptor</td>
</tr>
<tr>
<td>Max Hours per Year</td>
</tr>
<tr>
<td>Diesel PM10 (lb/yr)</td>
</tr>
</tbody>
</table>

Technical Services performed modeling for criteria pollutants CO, NOx, SOx, and PM10 with the emission rates below:

<table>
<thead>
<tr>
<th>Unit #</th>
<th>NOx (Lbs.)</th>
<th>SOx (Lbs.)</th>
<th>CO (Lbs.)</th>
<th>PM10 (Lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hr.</td>
<td>Yr.</td>
<td>Hr.</td>
<td>Yr.</td>
</tr>
<tr>
<td>1-0</td>
<td>307.65</td>
<td>0.41</td>
<td>NA1</td>
<td>31.85</td>
</tr>
<tr>
<td></td>
<td>NA1</td>
<td>NA1</td>
<td>NA1</td>
<td>NA1</td>
</tr>
</tbody>
</table>

1The project is an intermittent source as defined in APR-1920. In accordance with APR-1920, compliance with short-term (i.e., 1-hour, 3-hour, 8-hour and 24-hour) standards is not required.
The results from the Criteria Pollutant Modeling are as follows:

**Criteria Pollutant Modeling Results**

<table>
<thead>
<tr>
<th></th>
<th>Background Site</th>
<th>1 Hour</th>
<th>3 Hours</th>
<th>8 Hours</th>
<th>24 Hours</th>
<th>Annual</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO</td>
<td>Fresno-Garland (2016)</td>
<td>NA¹</td>
<td>X</td>
<td>NA¹</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>NOₓ</td>
<td>Visalia-Church (2016)</td>
<td>NA¹</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>Pass</td>
</tr>
<tr>
<td>SOₓ</td>
<td>Fresno – Garland (2016)</td>
<td>NA¹</td>
<td>NA¹</td>
<td>X</td>
<td>NA¹</td>
<td>Pass²</td>
</tr>
<tr>
<td>PM₁₀</td>
<td>Visalia-Church (2016)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>NA¹</td>
<td>Pass³</td>
</tr>
<tr>
<td>PM₂₀₅</td>
<td>Visalia-Church (2016)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>NA¹</td>
<td>Pass³</td>
</tr>
</tbody>
</table>

¹Results were taken from the attached PSD spreadsheet.
²The project is an intermittent source as defined in APR-1920. In accordance with APR-1920, compliance with short-term (i.e., 1-hour, 3-hour, 8-hour and 24-hour) standards is not required.
³The court has vacated EPA’s PM₂₀₅ SILs. Until such time as new SIL values are approved, the District will use the corresponding PM₁₀ SILs for both PM₁₀ and PM₂₀₅ analyses.

### III. Conclusion

The acute and chronic indices are below 1.0 and the cancer risk factor associated with the project is less than 1.0 in a million. **In accordance with the District’s Risk Management Policy, the project is approved without Toxic Best Available Control Technology (T-BACT).**

To ensure that human health risks will not exceed District allowable levels; the permit requirements listed on page 1 of this report must be included for this proposed unit.

These conclusions are based on the data provided by the applicant and the project engineer. Therefore, this analysis is valid only as long as the proposed data and parameters do not change.

The emissions from the proposed equipment will not cause or contribute significantly to a violation of the State and National AAQS.

### IV. Attachments

A. RMR request from the project engineer
B. Additional information from the applicant/project engineer
C. Facility Summary
Appendix E
QNEC Calculations
Quarterly Net Emissions Change (QNEC)

The Quarterly Net Emissions Change is used to complete the emission profile screen for the District’s PAS database. The QNEC shall be calculated as follows:

$$QNEC = PE2 - PE1,$$

where:

- $QNEC = \text{Quarterly Net Emissions Change for each emissions unit, lb/qtr}$
- $PE2 = \text{Post-Project Potential to Emit for each emissions unit, lb/qtr}$
- $PE1 = \text{Pre-Project Potential to Emit for each emissions unit, lb/qtr}$

Since this is a new unit, $PE1 = 0$ for all pollutants. Thus, $QNEC = PE2$ (lb/qtr).

Using the $PE2$ (lb/yr) values calculated in Section VII.C.2, Quarterly PE2 is calculated as follows:

$$PE2_{\text{quarterly}} = \frac{PE2 \text{ (lb/yr)}}{4 \text{ quarters/year}} = QNEC$$

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>PE2 Total (lb/yr)</th>
<th>Quarterly PE2 (lb/qtr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOX</td>
<td>308</td>
<td>77.0</td>
</tr>
<tr>
<td>SOX</td>
<td>0</td>
<td>0.0</td>
</tr>
<tr>
<td>PM10</td>
<td>7</td>
<td>1.8</td>
</tr>
<tr>
<td>CO</td>
<td>33</td>
<td>8.3</td>
</tr>
<tr>
<td>VOC</td>
<td>17</td>
<td>4.3</td>
</tr>
</tbody>
</table>
To: The Parents or Guardians of the Students Attending Kindergarten through 12th Grade Schools within ¼ mile of 2975 Alpine Avenue, Tulare, CA (Alpine Vista School, Mission Oak High School)

Residents within 1,000 Feet of 2975 Alpine Avenue, Tulare, CA

Re: Public Notification Requirement of California Health and Safety Code §42301.6
Project Number: S-1182736
Project Description: Emergency IC engine powering a generator

Dear Parents/Residents:

The San Joaquin Valley Air Pollution Control District (Air District) has received an application from City of Tulare, Public Works, Water Department at 2975 Alpine Avenue in Tulare, CA for the following project:

755 horsepower Tier 2 certified diesel engine to provide emergency power in the event of an electrical outage.

Since this project is located within 1,000 feet of the outer bounds of a school site, the California Health & Safety Code §42301.6 requires that you be given this notification and an opportunity to comment on the project before permits are issued.

The Air District has determined that, as proposed, the installation will comply with all Air District regulations. The Air District’s analysis of the proposal has determined that the emissions from operation of this equipment will not pose a significant health risk to the school children or to the surrounding public.

Should you have any questions or comments about this project, please submit them in writing within 30 days of the date of this notice to the following:

SAN JOAQUIN VALLEY APCD
ATTN: Thomas Aguirre
34946 Flyover Ct
Bakersfield, CA 93308

You may also contact Thomas Aguirre at (661) 392-5613.

Samir Shelikh
Executive Director/Air Pollution Control Officer

Northern Region
4800 Enterprise Way
Modesto, CA 95355-8716
Tel: (209) 557-6400 FAX: (209) 557-6475

Central Region (Main Office)
1990 E. Gettysburg Avenue
Fresno, CA 93726-9244
Tel: (559) 230-8000 FAX: (559) 230-8081

Southern Region
34946 Flyover Court
Bakersfield, CA 93308-9726
Tel: 661-392-6500 FAX: 661-392-5585
Para: Los padres o guardianes de los estudiantes asistiendo escuelas del kinder al grado 12 dentro de un cuarto de milla de 2975 Alpine Avenue, Tulare, CA (Alpine Vista School, Mission Oak High School)

Residentes dentro de 1,000 pies de 2975 Alpine Avenue, Tulare, CA

ASUNTO: Aviso público requerido por el Código de la Salud y Seguridad de California (Sección 42301.6)
Número del proyecto: S-1182736
Descripción del proyecto: Un motor de combustión interna de emergencia apoderando un generador

Estimados Padres/Residentes:

El Distrito para el Control de la Contaminación del Aire del Valle de San Joaquin (Distrito del Aire) ha recibido una solicitud de City of Tulare, Public Works, Water Department ubicado en 2975 Alpine Avenue en Tulare, CA para el siguiente proyecto:

Un motor de combustión interna de diésel de 755 caballos de fuerza que es certificado Nivel 2 para apoderar un generador eléctrico durante apagones eléctricos

Como este proyecto está ubicado dentro de 1,000 pies del exterior de un sitio escolar, la sección §42301.6 del Código de la Salud y Seguridad de California requiere que se les de este aviso y la oportunidad para comentar sobre el proyecto antes de que los permisos sean otorgados.

El Distrito del Aire ha determinado que, como propuesto, la instalación cumplirá con todas las regulaciones del Distrito del Aire. El análisis por el Distrito del Aire sobre el propuesto proyecto, ha determinado que las emisiones del uso del equipo no resultara en un riesgo significante a la salud de los estudiantes o del público alrededor.

Si usted tiene preguntas o comentarios sobre este proyecto, por favor sométalos por escrito dentro de 30 días de la fecha de este aviso a la siguiente dirección:

SAN JOAQUIN VALLEY APCD
ATTN: Thomas Aguirre
34946 Flyover Court
Bakersfield, CA 93308

También se puede comunicar con Thomas Aguirre al (661) 392-5813.

Samir Sheikh
Executive Director/Air Pollution Control Officer