

ENGINEERING EVALUATION

Jefferson Union High School

Application: 28528

Plant: 22276

131 Westmoor Avenue, Daly City, CA 94015

BACKGROUND

Jefferson Union High School has applied to obtain an Authority to Construct (AC) and a Permit to Operate (PO) for the following equipment:

**S-2 Emergency Standby Diesel Generator Set,
Caterpillar, Model C7.1, Year 2017
229 BHP, 1.56 MMBTU/hr**

Abated by

A-2 Rypos, Inc. Hybrid Diesel Catalyzed Particulate Filter (HDPF/C)

The Emergency Diesel Engine Generator Set (S-2) is equipped with the best available control technology (BACT) for minimizing the release of air borne criteria pollutants and harmful air toxins due to fuel combustion. The criteria pollutants are nitrogen oxides (NO_x), carbon monoxide (CO), precursor organic compounds (POC) from unburned diesel fuel, sulfur dioxide (SO₂) and particulate matter (PM₁₀). POC is also denoted as NMHC (non-methane hydrocarbon).

The engine meets the Environmental Protection Agency and California Air Resources Board (EPA/CARB) Tier 3 Off-road standard. The engine will burn commercially available California low sulfur diesel fuel. The sulfur content of the diesel fuel will not exceed 0.0015% by weight. Additionally, Source 2 is abated by a diesel catalyzed particulate filter (DPF) that has been certified by CARB Executive order #: DE-07-001-06.

Recent permit activity includes: Application 25985 (S#:1, an emergency standby diesel engine (195 BHP)), AC waived and PO granted on 4/30/2014. Regulation 2, Rule 5, "New Source Review for Toxic Air Contaminants (TAC)," Section 216, "Project" defines that a project "shall include those new or modified sources of TACs at a facility that have been permitted within a three-year period preceding the date a complete application is received". However, since A#: 25985 is a Loss of Exemption (LOE) Permit, no additional risk will be added from this previous application.

This engine will be subject to attached condition #: **22850 & 26511**.

EMISSIONS

S-2 has been certified by EPA Certificate #: HPKXL07.0PW1-004 to be a cleaner burning engine. Except for SO₂, the emission factors for these engines are from the engine manufacturer. The SO₂ emissions were calculated based on the maximum allowable sulfur content (0.0015 wt% S) of the diesel fuel with assumption that all of the sulfur present will be converted to SO₂ during the combustion process.

Basis:

229 hp output rating

50 hr/yr operation for testing and maintenance

11.41 gallons/hr max fuel use rate

NMHC+NO_x, NO_x, NMHC, CO and PM₁₀ emission factors provided by the engine manufacturer via EPA

Certificate #: HPKXL07.0PW1-004

SO₂ emissions are quantified based on the full conversion of 0.0015 wt% (~ 15 ppm) sulfur in the ULS diesel fuel.

The SO₂ emission factor was derived from EPA AP-42, Table 3.4-1.

Annual Emissions:

Annual emissions are calculated based on the number of hours per year of operation for testing and maintenance.

Daily Emissions:

Daily emissions are calculated to establish whether a source triggers the requirement for BACT (10 lb/highest day total source emissions for any class of pollutants). 24-hr/day of operation will be assumed since no daily limits are imposed on intermittent and unexpected operations.

Estimated Emissions with PM₁₀ Abatement

| Pollutant | Emission Factors (g/hp-hr) | Annual Emissions (lb/yr) | Annual Emissions (TPY) | Max. Daily (lb/day) |
|-------------------|-------------------------------|-----------------------------|---------------------------|------------------------|
| NMHC+NOx | 2.835 | | | |
| NOx | 2.745 | 69.237 | 0.035 | 33.234 |
| POC | 0.060 | 1.505 | 0.001 | 0.722 |
| CO | 0.821 | 20.696 | 0.010 | 9.934 |
| PM ₁₀ | 0.013 | 0.339 | 0.000 | 0.163 |
| SO ₂ * | 0.002 | 0.118 | 0.000 | 0.057 |
| | *lb SO ₂ /MMBTU | | | |

PLANT CUMULATIVE INCREASE

The following table summarizes the cumulative increase in criteria pollutant emissions that will result from the operation of S-2. (As an LOE source, S-1 (previous A#:25985) had no emissions billable to the facility.)

| Pollutant | Current Emissions (since April 5, 1991) (TPY) | Increase with this application (TPY) | Cumulative Emissions (Current + Increase) (TPY) |
|-----------|---|--|---|
| NOx | 0.000 | 0.035 | 0.035 |
| POC | 0.000 | 0.001 | 0.001 |
| CO | 0.000 | 0.010 | 0.010 |
| PM10 | 0.000 | 0.000 | 0.000 |
| SO2 | 0.000 | 0.000 | 0.000 |

TOXIC RISK SCREENING ANALYSIS

This application required a Toxics Risk Screen because the diesel particulate emissions are greater than the toxic trigger level.

| <u>Toxic Pollutant Emitted</u> | <u>Emission Rate (lb/yr)</u> | <u>Risk Screening Trigger (lb/yr)</u> |
|---------------------------------------|-------------------------------------|--|
| PM10 (Diesel Particulate) | 0.339 | 0.26 |

S-2 meets Best Available Control Technology for toxics (TBACT) since the diesel particulate emissions are less than 0.15 g/bhp-hr. For an engine that meets the TBACT requirement, it must also pass the toxic risk screening level of less than ten in a million. Estimates of residential risk assume exposure to annual average toxic air contaminant concentrations occur 24 hours per day, 350 days per year, for a 70-year lifetime. Risk estimates for offsite workers assume exposure occurs 8 hours per day, 245 days per year, for 40 years. Risk estimates for students assume a higher breathing rate, and exposure is assumed to occur 10 hours per day, 36 weeks per year, for 9 years.

“As determined using the District’s HRSA Streamlining Policy Checklist for Stationary Emergency Standby and Fire Pump Diesel Engines, this application qualifies for the District’s May 6, 2015 HRSA Streamlining Policy for Stationary Diesel-Fired IC Engines Used for Backup Power or Fire Pumps. Based on this policy, the District has determined that this project will comply with District TBACT requirements and will result in health impacts of less than 10 in a million cancer risk and less than 1.0 chronic hazard index based on conservative HRSA screening procedures. Therefore, this project will comply with Regulation 2, Rule 5, Sections 301 and 302. A refined HRSA is not required for this application.”

BACT

In accordance with Regulation 2, Rule 2, Section 301, BACT is triggered for any new or modified source with the potential to emit 10 pounds or more per highest day of POC, NPOC, NOx, CO, SO₂ or PM₁₀.

Based on the emission calculations above, the owner/operator of S-2 is subject to BACT for the following pollutants: NOx. BACT for S-2 is presented in the current BAAQMD BACT/TBACT Workbook for IC Engine – Compression Ignition: Stationary Emergency, non-Agricultural, non-direct drive fire pump, Document # 96.1.3, Revision 7 dated 12/22/2010.

| | | | |
|----------------|---|--------------------|------------|
| Source: | <i>IC Engine – Compression Ignition: Stationary Emergency, non-Agricultural, non-direct drive fire pump</i> | Revision: | 7 |
| | | Document #: | 96.1.3 |
| Class: | > 50 BHP Output | Date: | 12/22/2010 |

| POLLUTANT | BACT | |
|------------------|---|---|
| | 1. Technologically Feasible/ Cost Effective | 2. Achieved in Practice |
| | 3. TBACT | |
| | TYPICAL TECHNOLOGY | |
| POC | 1. n/s ^c 2. CARB ATCM standard ^a for POC at applicable horsepower rating (see attached Table). | 1. n/s ^c 2. Any engine certified or verified to achieve the applicable standard. ^a |
| NOx | 1. n/s ^c 2. CARB ATCM standard ^a for NOx at applicable horsepower rating (see attached Table). | 1. n/s ^c 2. Any engine certified or verified to achieve the applicable standard. ^a |
| SO ₂ | 1. n/s ^c 2. Fuel sulfur content not to exceed 0.0015% (wt) or 15 ppm (wt). | 1. n/s ^c 2. CARB Diesel Fuel (Ultra Low Sulfur Diesel) |
| CO | 1. n/s ^c 2. CARB ATCM standard ^a for CO at applicable horsepower rating (see attached Table). | 1. n/s ^c 2. Any engine certified or verified to achieve the applicable standard. ^a |
| PM ₁₀ | 1. n/s ^c 2. 0.15 g/bhp-hr 3. 0.15 g/bhp-hr | 1. n/s ^c 2. Any engine or technology demonstrated, certified or verified to achieve the applicable standard. 3. Any engine or technology demonstrated, certified or verified to achieve the applicable standard. |
| NPOC | 1. n/s ^c 2. n/s ^c | 1. n/s ^c 2. n/s ^c |

Reference:

a. ATCM standard (listed below): Where NMHC + NOx is listed (with no individual standards for NOx or NMHC) as the standard, the portions may be considered 95% NOx and 5% NMHC. For the purposes of determining BACT NMHC = POC. Any engine which has been certified or demonstrated to meet the current year tier standard may be considered compliant with the certified emission standard for that pollutant.

b. Deleted (no longer applies).

c. Cost effectiveness analysis must be based on lesser of 50 hr/yr or non-emergency operation as limited by District health risk screen analysis.

BACT 2 Emission Limits based on CARB ATCM

| Emissions Standards for Stationary Emergency Standby Diesel-Fueled CI Engines >50 BHP g/Kw-hr (g/bhp-hr) | | | |
|--|-------------|-----------------|-----------|
| Maximum Engine Power | PM | NMHC+NOx | CO |
| 37 < KW < 56 (50 < HP < 75) | 0.20 (0.15) | 4.7 (3.5) | 5.0 (3.7) |
| 56 < KW < 75 (75 < HP < 100) | 0.20 (0.15) | 4.7 (3.5) | 5.0 (3.7) |
| 75 < KW < 130 (100 < HP < 175) | 0.20 (0.15) | 4.0 (3.0) | 5.0 (3.7) |
| 130 < KW < 225 (175 < HP < 300) | 0.20 (0.15) | 4.0 (3.0) | 3.5 (2.6) |
| 225 < KW < 450 (300 < HP < 600) | 0.20 (0.15) | 4.0 (3.0) | 3.5 (2.6) |
| 450 < KW < 560 (600 < HP < 750) | 0.20 (0.15) | 4.0 (3.0) | 3.5 (2.6) |
| KW > 560 (HP > 750) | 0.20 (0.15) | 6.4 (4.8) | 3.5 (2.6) |
| | | | |

For NO_x, CO, POC and PM₁₀, BACT(2) is the CARB ATCM standard for the respective pollutant at the applicable horsepower rating. For SO₂, BACT(2) is using fuel with sulfur content not to exceed 0.0015%, or 15 ppm. The more restrictive BACT(1) standards are not applicable to this engine because it will be limited to operation as an emergency standby engine. A BACT(1) standard for emergency standby diesel engines has not yet been determined.

S-2 meets the current BACT(2) for the following pollutants based on the emissions factors from EPA Certification #: HPKXL07.0PW1-004.

| Pollutant | Emission Factor | BACT(2) Standard |
|-----------------------|------------------------|-------------------------|
| NO _x +NMHC | 2.835 g/hp-hr | 3.000 g/hp-hr |
| NO _x | 2.745 g/hp-hr | 2.850 g/hp-hr |
| POC (NMHC) | 0.060 g/hp-hr | 0.150 g/hp-hr |
| CO | 0.821 g/hp-hr | 2.600 g/hp-hr |

OFFSETS

Offsets must be provided for any new or modified source at a facility that emits more than 10 tons/yr of POC or NO_x per Regulation 2-2-302. The following table summarizes the increase in criteria pollutant emissions that will result from the operation of S-2.

| Pollutant | Current plant emissions (TPY) | Increase in plant emissions associated with this application (TPY) | Cumulative emissions (Current + Increase) (TPY) | Regulation 2-2-302 and 2-2-303 Offset Triggers (TPY) |
|------------------|--------------------------------------|---|--|---|
| NO _x | 0.000 | 0.035 | 0.035 | > 10; < 35 |
| POC | 0.000 | 0.001 | 0.001 | > 10; < 35 |
| CO | 0.000 | 0.010 | 0.010 | NA |
| PM ₁₀ | 0.000 | 0.000 | 0.000 | > 1* |
| SO ₂ | 0.000 | 0.000 | 0.000 | > 1* |

*Applies to major facilities with a cumulative increase, minus contemporaneous emission reduction credits, in excess of 1 ton/year since April 5, 1991.

It can be seen from the previous table that S-2 does not trigger any offsets. Therefore, offsets are not warranted for any pollutant.

NEW SOURCE PERFORMANCE STANDARDS (NSPS)

The engine is subject to 40 CFR 60, Subpart III, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines because it was manufactured after April 1, 2006, as required by Section 60.4200(a)(2)(i).

The engine has a total displacement of 6.7 liters and has 6 cylinders, so each cylinder has a volume of less than 10 liters. The engine is a 2017 model year engine and is not a fire pump. Section 60.4205(b) requires these engines to comply with the emission standards in Section 60.4202, which refers to 40CFR89.112 and 40CFR89.113 for all pollutants. For engines greater than 175 hp and smaller than 300 hp, these standards are:

NMHC+NO_x: 3.0 g/hp-hr

CO: 2.60 g/hp-hr

PM: 0.15 g/hp-hr

20% opacity during acceleration mode

15% opacity during lugging mode

50% opacity during peaks in acceleration or lugging mode

According to the engine manufacturer, the engine will comply with the standards.

Sections 60.4206 and 60.4211(a) require that the owner/operator operate and maintain the engine according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine. The owner/operator is expected to comply with this requirement.

Section 60.4207(a) requires that by October 1, 2007, the owner/operator must use fuel that complies with 40 CFR 80.510(a). This means that the fuel must have a sulfur content of 500 parts per million (ppm) maximum, a cetane index of 40 or a maximum aromatic content of 35 volume percent. The owner/operator is expected to comply with this requirement because CARB diesel is required to be used in California.

Section 60.4207(b) requires that by October 1, 2010, the owner/operator must use fuel that complies with 40 CFR 80.510(b). This means that the fuel must have a sulfur content of 15 parts per million (ppm) maximum, and the same cetane index or aromatic content as above. The owner/operator is expected to comply with this requirement because CARB diesel is required to be used in California.

Section 60.4209(a) requires a non-resettable hour meter. This requirement is already in the standard permit conditions.

The engine will comply with the requirements of Section 60.4211(c) because it has been certified in accordance with 40 CFR Part 89.

The engine will comply with the requirement in Section 60.4211(e) to run for less than 100 hours per year for maintenance checks and readiness testing, and the prohibition of running for any reason other than emergency operation, maintenance, and testing because they are limited by permit condition to 50 hours per year for reliability testing and otherwise may only operate for emergencies.

The owner/operator is not required to perform tests in accordance with Section 60.4212 or 60.4213.

Section 60.4214 states that owner/operators do not have to submit an initial notification to EPA for emergency engines.

Because the engine does will have a diesel particulate filter, the owner/operator is subject to Section 60.4214(c).

The owner/operator is required to comply with certain sections of 40 CFR 60, Subpart A, General Provisions. The owner/operator is expected to comply with this requirement.

NESHAP (NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS)

This engine is located at a commercial business and is subject to the emission or operating limitations in 40 CFR 63 National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines. Per NESHAP 40CFR63.6590(c)(1), a new or constructed reciprocating internal combustion engines is subject to Regulations under 40 CFR Part 60 (NSPS) and no further requirements apply for such engines under NESHAP. Therefore, S-2 complies with NESHAP by meeting the requirements under 40CFR60 (NSPS).

CARB STATIONARY DIESEL ENGINE AIRBORNE TOXIC CONTROL MEASURE (ATCM)

The State Office of Administrative Law approved the Airborne Toxic Control Measure (ATCM) on November 8, 2004. State law requires the local Air Districts to implement and enforce the requirements of the ATCM. Effective January 1, 2005, there is a prohibition on the operation of new diesel emergency standby engines greater than 50 bhp unless the following operating requirements and emission standards are met:

“Stationary Diesel Engine ATCM” section 93115.6 (3)(A), title 17, CA Code of Regulations, Amended May 2011.

1. New stationary emergency standby diesel-fueled engines (>50 bhp) shall:
 - a. meet the applicable emission standards for all pollutants for the same model year and maximum horsepower rating as specified in the following Table Emission Standards for New Stationary Emergency Standby Diesel-Fueled CI Engines, in effect on the date of acquisition or submittal, and
 - b. after December 31, 2008, be certified to the new nonroad compression-ignition (CI) engine emission standards for all pollutants for 2007 and later model year engines as specified in 40 CFR, PART 60, Subpart III-Standards of Performance for Stationary Compression Ignition Internal Combustion Engines(2006); and
 - c. not operate more than 50 hours per year for maintenance and testing purposes.
2. The District may allow a new stationary emergency standby diesel-fueled CI engine (> 50 hp) to operate up to 100 hours per year for maintenance and testing purposes on a site-specific basis, provided the diesel PM emission rate is less than or equal to 0.01 g/bhp-hr.

| Emission Standards for New Stationary Emergency Standby Diesel-Fueled CI Engine g/bhp-hr (g/kW-hr) | | | | |
|---|-------------------|-------------|------------------------|-----------|
| Maximum Engine Power | Model Year | PM | NHMC+NOx | CO |
| 50 ≤ HP < 75 (37 ≤ kW < 56) | 2007 | 0.15 (0.20) | 5.6 (7.5) 3.5 (4.7) | 3.7 (5.0) |
| | 2008+ | | | |
| 75 ≤ HP < 100 (56 ≤ kW < 75) | 2007 | 0.15 (0.20) | 5.6 (7.5) 3.5 (4.7) | 3.7 (5.0) |
| | 2008+ | | | |
| 100 ≤ HP <175 (75 ≤ kW < 130) | 2007 | 0.15 (0.20) | 3.0 (4.0) | 3.7 (5.0) |
| | 2008+ | | | |
| 175 ≤ HP < 300 (130 ≤ kW < 225) | 2007 | 0.15 (0.20) | 3.0 (4.0) | 2.6 (3.5) |
| | 2008+ | | | |
| 300 ≤ HP < 600 (225 ≤ kW < 450) | 2007 | 0.15 (0.20) | 3.0 (4.0) | 2.6 (3.5) |
| | 2008+ | | | |
| 600 ≤ HP < 750 (450 ≤ kW < 560) | 2007 | 0.15 (0.20) | 3.0 (4.0) | 2.6 (3.5) |
| | 2008+ | | | |
| HP > 750 (kW > 560) | 2007 | 0.15 (0.20) | 4.8 (6.4) | 2.6 (3.5) |
| | 2008+ | | | |

This emergency standby diesel engine (S-2) is in compliance with the above ATCM requirements. The diesel engine will operate for no more than 50 hours per year for maintenance and reliability testing. This engine is subject to the Current off-road CI engine standards for HC, NO_x, NMHC+NO_x and CO. As shown in the next table, the engine meets these requirements.

ATCM Emission Standard Compliance

| | Emissions from S-2 g/bhp-hr | ATCM Standard g/bhp-hr |
|----------------------|--------------------------------|---------------------------|
| NMHC+NO _x | 2.835 | 3.000 |
| NO _x | 2.745 | N/A |
| NMHC (POC) | 0.060 | N/A |
| CO | 0.821 | 2.600 |
| PM | 0.090 | 0.150 |

STATEMENT OF COMPLIANCE

S-2 will be operated as an emergency standby engine and therefore is not subject to the emission rate limits in Regulation 9, Rule 8 ("NO_x and CO from Stationary Internal Combustion Engines"). S-2 is exempt from the requirements of Sections 9-8-301 through 305, 501 and 503 per Reg. 9-8-110.5 (Emergency Standby Engines). S-2 is subject to and expected to comply with 9-8-330 (Emergency Standby Engines, Hours of Operation) since non-emergency hours of operation will be limited in the permit conditions to 50 hours per year.

S-2 is also subject to and expected to comply with monitoring and record keeping requirements of Regulation 9-8-530 and the SO₂ limitations of 9-1-301 (ground-level concentration) and 9-1-304 (0.5% by weight in fuel). Regulation 9-8-530 requirements are incorporated into the proposed permit conditions. Compliance with Regulation 9, Rule 1 is very likely since diesel fuel with a 0.0015% by weight sulfur is mandated for use in California.

Like all combustion sources, S-2 is subject to Regulation 6, Rule 1 ("Particulate Matter"). Regulation 6-1-303.1 limits opacity from internal combustion engines to Ringelmann 2. This engine is not expected to produce visible emissions or fallout in violation of this regulation and will be assumed to be in compliance with Regulation 6-1.

California Environmental Quality Act (CEQA)

This application is considered to be ministerial under the District's Regulation 2-1-311 and therefore is not subject to CEQA review. The engineering review for this project requires only the application of standard permit conditions and standard emission factors in accordance with Permit Handbook Chapter 2.3.

Public Notification, Schools

This facility is within 1,000 feet from the nearest school and therefore is subject to the public notification requirements of Regulation 2-1-412. Westmoor High School and Margaret Pauline Brown Elementary School are within 1000 feet from S-2. A 30-day Public Notification period will be required.

Preventions of Significant Deterioration (PSD)

PSD is not triggered.

PERMIT CONDITIONS

For S-2:

COND#: 22850 -----

1. The owner/operator shall not exceed 50 hours per year per engine for reliability-related testing.
[Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(3) or (e)(2)(B)(3)]
2. The owner/operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, State or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, State or Federal emission limits is not limited.
[Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(3) or (e)(2)(B)(3)]
3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained.
[Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection(e)(4)(G)(1)]
4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
 - a. Hours of operation for reliability-related activities (maintenance and testing).
 - b. Hours of operation for emission testing to show compliance with emission limits.
 - c. Hours of operation (emergency).
 - d. For each emergency, the nature of the emergency condition.
 - e. Fuel usage for each engine(s).

[Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection e)(4)(I), (or, Regulation 2-6-501)]

5. At School and Near-School Operation:

If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply: The owner/operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:

- a. Whenever there is a school sponsored activity (if the engine is located on school grounds)
- b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session. "School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved school property.

[Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(1)] or (e)(2)(B)(2)]

COND# 26511 -----

1. The owner/operator shall abate the particulate emissions from the emergency diesel engine by the Diesel Oxidation Catalyst at all times the engine is in operation. [Basis: Toxics]
2. The owner/operator shall comply with requirements for CARB Executive Order DE-07-001-06. [Basis: CARB Executive Order DE-07-001-06]

End of Conditions

RECOMMENDATION

The District has reviewed the material contained in the permit application for the proposed project and has made a preliminary determination that the project is expected to comply with all applicable requirements of District, state, and federal air quality-related regulations. The preliminary recommendation is to issue an Authority to Construct for the equipment listed below. However, the proposed source will be located within 1000 feet of a school, which triggers the public notification requirements of District Regulation 2-1-412. After the comments are received and reviewed, the District will make a final determination on the permit.

I recommend that the District initiate a public notice and consider any comments received prior to taking any final action on issuance of an Authority to Construct for the following source:

- S-2 Emergency Standby Diesel Generator Set,
Caterpillar, Model C7.1, Year 2017
229 BHP, 1.56 MMBTU/hr
Abated by**
- A-2 Rypos, Inc. Hybrid Diesel Catalyzed Particulate Filter (HDPF/C)**

Marc Nash
Air Quality Specialist II
Engineering Division