South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 · www.aqmd.gov

August 7, 2012

Mr. Gerardo Rios (R9Airpermits_sc@epa.gov)
Chief, Permits Office
US EPA, Region IX- Air 3.
75 Hawthorne Blvd.
San Francisco, CA 94105

Dear Mr. Rios:

Veolia Energy Los Angles, Inc has proposed to revise their Title V permit under application no. 516990 by changing the name of the facility from Trigen-LA Energy Corp. to Veolia Energy Los Angeles, Inc and by a change of conditions for three existing non-emergency combustion engines (D1, D5 and D12). This facility (NAICS 221330) provides chilled and heated water to various office complexes and is located at 715 W. 3rd Street, Los Angeles, CA 90071. This proposed permit revision is considered as a "minor permit revision" to their Title V permit. Attached for your review are the evaluation and section D of the Facility permit for the proposed revision. With your receipt of the proposed Title V permit revision today, we will note that the EPA 45-day review period will begin on August 3, 2012.

If you have any questions concerning these changes, please call the permit processing engineer Mr. Roy Olivares at (909) 396-2208.

Very truly yours,

Brian L. Yeh
Senior Manager
Mechanical, Chemical and Public Services
Engineering and Compliance

BLY:AYL:JTY:RDO
Enclosure

PERMIT TO OPERATE

APPLICANT	VEOLIA ENERGY LOS ANELES, INC.
MAILING ADDRESS	1370 VALLEY VISTA DRIVE SUITE 100 DIAMOND BAR, CA
EQUIPMENT LOCATION	715 W. 3RD STREET LOS ANGELES, CA

EQUIPMENT DESCRIPTION:

APPLICATION NO 486745 (D12)

INTERNAL COMBUSTION ENGINE, NO. 3, NORDBERG, MODEL FSG-136-HSC, LEAN BURN, DUEL FUEL NATURAL GAS AND DIESEL FIRED, FOUR CYCLE, SIX CYLINDER, RATED AT 1650 HP.DRIVING AN REFRIGERANT COMPRESSOR

APPLICATION NO 486746 (D1)

INTERNAL COMBUSTION ENGINE, CWP NO. 1, WAUKESHA, MODEL H2470, NATURAL GAS FIRED, RICH BURN, NATURALLY ASPIRATED, 8 CYLINDERS, RATED AT 377 H.P., WITH A NON-SELECTIVE CATALYTIC CONVERTOR, EGS, WITH AN AIR/FUEL RATIO CONTROLLER, FULARAC, MODEL 2002, DRIVING AN CONDENSATE WATER PUMP.

APPLICATION NO 486747 (D5)

INTERNAL COMBUSTION ENGINE, CWP NO. 3, WAUKESHA, MODEL H2470, NATURAL GAS FIRED, RICH BURN, NATURALLY ASPIRATED, 8 CYLINDERS, WITH A NON-SELECTIVE CATALYTIC CONVEROR, EGS, WITH AN AIR/FUEL RATIO CONTROLLER, FULARAC, MODEL 2002, DRIVING AN CONDENSATE WATER PUMP.

APPLICATION NO 500643

TITLE V MINOR REVISION- FOR PERMIT CHANGE TO THE CHP ENGINE 1&3 AND COMPRESSOR ENGINE 3

APPLICATION NO 516990

TITLE V ADMISTRATIVE REVISION- NAME CHANGE TRIGEN –LA ENERGY CORP TO VEOLIA ENERGY LOS ANGELES INC.

PERMIT CONDITIONS

Facility conditions

Keep F14.1- limited the sulfur content of fuel oil to 0.05 % by weight
Remove F14.2 child condition- states this condition takes effect after 6/1/2004, Rule 431.2

Engine D1, D5 (rich burn engines)

D12.2 Keep, no change
D12.3 Add time meter conditions-as required per Rule 1110.2 (f)(1)(B).
D29.1 Add ROG to be tested in this condition. Update the testing frequency per Rule 1110.2 (f)(1)(C). Update for testing at one load, the engine drives compressors at one load (90% load +/- 10%). Standard testing conditions for engines subject to Rule 1110.2.
D182.1 Remove, Rule 1110.2 periodic monitoring and testing more stringent. Rule 1110. Requires a monitoring plan for the subject engines and the engines will be testing based the hours of operations (see Rule 1110.2 periodic monitoring plan)
E71.2 For Rule 1110.2, add condition to operate the engine at 90% load (+/- 10 percent), this will allow the engine to be tested at this load for Rule 1110.2 compliance testing
E115.1 Keep, updated wording for Rule 1110.2, add child condition to monitor the mv and set the max O2 value-required by Rule 1110.2 periodic monitoring, add child condition to install and maintain O2 sensor and when replaced reset the set point. This condition is required by Rule 1110.2, standard condition used on non-em ice.
E448.1 Add RICE condition, general maintenance
E448.2 Add RICE condition, maintain engine and or control per manufactures requrements
H23.2 Update Rule 1110.2 condition, add breakdown condition. Require periodic monitoring
K40.1 Remove, addressed in condition no. D29.1
K67.3 Add record keeping conditions per Rule 1110.2.

Engine D12(lean burn engine)

C1.4 Add condition, limit hours of operation to 500 hours per Rule 1110.2 (CO/VOC emissions limits not change). The applicant provided the hours of operation for this Device and the hours of operation is well below 500 hours per year. Therefore the engine has to meet 2000 ppmv CO and 250 ppmv VOC. Reported emissions from this engine is 346 ppmv CO and 154 ppmv VOC (copy of source test summary in file).
D12.3 Add engines to conditions-per Rule 1110.2 (f)(1)(B)
D29.1 Add CO and VOC testing to this conditions. Update the testing frequency per Rule 1110.2 (f)(1)(C). Update for testing at one load, the engine drives compressors at one load (70% load +/- 10%). Standard testing conditions for engines subject to Rule 1110.
D29.1 Keep, the equipment uses fuel oil only to start the engine, then switches to natural gas afterwards, modify condition to not require testing if the fuel oil is only used to start the engine
E71.3 For Rule 1110.2, add condition to operate the engine at 70% load (+/- 10 percent), this will allow the engine to be tested at this load for Rule 1110.2 compliance testing
E448.1 Add RICE condition, general maintenance
E448.2 Add RICE condition, maintain engine and or control per manufactures requrements

E448.3 Add Rice condition, CO concentration limit and effective date
H23.2 Keep condition, update to add Rule 1110.2 condition for breakdowns and periodic monitoring
K67.3 Add record keeping conditions per Rule 1110.2.
D82.1 Keep
D323.1 Keep

BACKGROUND:

This application was filed as change of conditions. The applicant proposes to update permit description (add air fuel ratio controller) and update permit conditions for Rule 1110.2. The engines are used to drive compressors, pumps and fans that are used to operate chillers. The chillers provide chilled (air conditioning) water to office building.

In the Facility Permit ID#9053, additions are requested to Section D by change of conditions of four non emergency engines (ICE). For Devices D1 and D5 list the make/model of the air fuel ratio controller and list make of NSCR. For Device D12 application filed for a change of conditions to update the Rule 1110.2 condition and limit the annual engine operation to less than 500 hours per year. Attached is a draft of Section D in the Facility Permit affected by this addition.

Per 3000 (b)(15)(A)(vi) as referenced by 3005 (c)(1) this Title V modification is considered as a "minor permit revision" to the Title V permit because there is no increase of pollutant emissions or HAP emissions. There is a net decrease in VOC and CO emissions. The total project emissions are listed in the evaluation.

The applicant filed a/n 516990 for a ad-min Title V revision by changing the name of the company from Trigen-LA Energy Corp. to Veolia Energy Los Angeles, Inc. The applicant is updating the responsible official for this location.

The applicant on 2/10/2011 request cancellation of D11 and the application for this Device will be cancelled (a/n 486744). The applicant on 11/16/2011 request cancellation of D3 and the application for this Device will be cancelled (a/n 486748). The applicant removed from service D7, D8 and D9 in late 2006 or early 2007. D10 was removed in the fall of 2009.

Within the next two years the applicant will phase out D1, D5 and D12 because the chillers use CFCs. The customers of the applicant have various types of buildings and wants to have Green certifications of these buildings, but for that to occur, the chillers using CFCs have to be removed. The applicant plans to install smaller electric chiller plants at the various buildings.

The previous application no. is listed below

Device	New application	Previous application
D1	486746	434478
D5	486747	434501
D12	486745	434507

COMPLIANCE RECORD REVIEW

The SCAQMD compliance database for the past two year period (05/11/2009-05/11/2011) and no N/C or NOV's were issued during this time period.

CALCULATIONS

1. Permit processing Emissions calculation methodology

   A. Emissions calculations

   Determine emissions from CO and ROG

$$R1(LB/HR) = \frac{hp \times g/bhp-hr}{454 gr/lb}$$

   For NOx emissions use RECLAIM EF or concentration limit

   Determine emissions from SOx and PM (if EF not given in g/bhp-hr)

$$R1(LB/HR) = \frac{EF \times GAS\ USAGE}{1 \times 10^6}$$

   Note R1 = R2

   Where EF equal lb/MMCF (ref AP42 table 3.2-3)

   B. AEIS and NSR calculations

   Lb/dy = lb/hr * hr/dy

   30-day ave = lb/dy * dy/wk * 4.33 wk/month * 1 month/30 days

   lb/yr = lb/dy * dy/wk * wk/yr

2. EMISSIONS CALCULATIONS

A. D12

	15 min fuel oil- lb	45 min pilot fuel-lb	45 min nat gas-lb	total -lb/hr
NOx	4.69	1.06	3.30	9.04
ROG	0.38	0.08	2.66	3.12
CO	1.02	0.23	37.18	38.43
SOx	0.00	0.00	0.00	0.00
PM	0.34	0.08	0.04	0.45
PM10	0.32160	0.07	0.04	0.43

	lb/hr-steady state	**lb/hr-start up**	**total lb/dy**	**30-dy ave**	**R2-lb/yr**
NOx	5.80	10.10	143.60	99.57	2986.96
ROG	3.66	3.20	87.29	60.52	1815.62
CO	49.88	38.66	1185.87	822.20	24666.06
SOx	0.00	0.0054	0.09	0.06	1.87
PM	0.15149	0.52	4.01	2.78	83.37
PM10	0.14536	0.50	3.85	2.67	80.00

The CO and VOC emissions were corrected to the current Rule 1110.2 concentrations limits. The NOx emissions rate was based on the original application no. C-04035 (the engine is a Major Source and there is no concentration limit or EF).

The applicant mainly operates electric chillers. Effective 7/10/2010 the engine operation will be limited to 500 hours per year. The 30 day ave will be based on the worst operating month of 500 hours.

Note, PM and PM10 emission based on EF from AP 42 table 3.2-3

The engine currently operates using natural gas and uses diesel fuel as a pilot fuel. When the engine is started diesel fuel is used and the engine runs of diesel fuel for 15 minutes, then the main fuel used is natural gas. The engine is not equipped with a spark plug or glow bulb. To combust the natural gas a small amount of diesel fuel is used to ensure the when compression occurs there will be combustion in the presence of the fuel oil. The amount of fuel oil used when firing natural gas is max 3 gallons per hour and during start-up max. of 10.75 gallons over the 15 minutes.

A. Start-up emissions (one hour)

The first 15 minutes is based on fuel oil at a rate of 40 gal/hr

Emission fuel oil = EF * 40 gal/hr * 0.25

B. Remaining 45 minutes emission during start-up (one hour)

The remaining 45 minutes based on a fuel rate of 3 gal/hr

Emission fuel oil = EF * 3 gal/hr * 0.75

Emissions natural gas = EF * max fuel rate (ft3/hr) * 0.75

Total emissions start-up hour = Emissions fuel oil + Emissions natural gas

C. Steady-state emissions per hour

Emission fuel oil = EF * 3 gal/hr

Emissions natural gas = EF * max fuel rate (ft3/hr)

Total emissions steady-state hour = Emissions fuel oil + Emissions natural gas

The previous a/n 420402 was filed for a change of operator and the previous emission (NSR) from a/n C04037 was not transferred to the new application. For this evaluation the correct previous emissions for CO and VOC emissions based on current concentration limits in Rule 1110.2 (2000 ppmv and 250 ppmv respectfully). Per Rule 1110.2 (d)(1)(B) paragraph two, if the equipment is operated for less than 500 hours per year, the concentration limits in (d)(1)(B)(ii) Table II does not apply. The applicant is requesting a 500 hour per year limit on this engine, thus current emission concentration limits does not apply and the engine is subject to 250 ppmv VOC and 2000 ppm CO.

Use previous NOx emissions rate from a/n C04037. Assume the engine is operate as in this current evaluation. The 30 day ave will be based on 24 hr/dy, 30 day/month.

listed below, ref emissions data from a/n C04037

	15 min fuel oil- lb	45 min pilot fuel-lb	45 min nat gas-lb	total -lb/hr
NOx	4.69	1.06	4.35	10.10
ROG	0.38	0.08	2.74	3.20
CO	1.02	0.23	37.41	38.66

SOx	0.00	0.00	0.00	0.01
PM	0.34	0.08	0.11	0.52
PM10	0.32160	0.07	0.11	0.50

	lb/hr-steady state	lb/hr-start up	total lb/dy	30-dy ave	R2-lb/yr
NOx	5.80	10.10	143.60	143.60	52271.84
ROG	3.66	3.20	87.29	87.29	31773.35
CO	49.88	38.66	1185.87	1185.87	431656.07
SOx	0.00	0.0054	0.09	0.09	32.72
PM	0.15149	0.52	4.01	4.01	1458.98
PM10	0.14536	0.50	3.85	3.85	1400.02

b/yr based on (lb/dy * 7 day/wk * 52 wk/yr)

Note, PM and PM10 emission based on EF from AP 42 table 3.2-3

B. D1 and D5

	lb/hr	lb/dy	30-dy ave	R2-lb/yr
NOx	0.39029	9.37	9.37	3409.54
ROG	0.11	2.65	2.65	964.83
CO	1.63	39.06	39.06	14218.51
SOx	0.002	0.036	0.04	14.52
PM	0.02802	0.673	0.67	244.80
PM10	0.02686	0.645	0.64	234.67

Revise emissions based on future VOC and CO Rule 1110.2 concentration limits. The above NOx emissions based on RECLAIM concentration limit of 36.4 ppmv.

Revise the previous emissions based on full time operation, see previous evaluation, copy in file. R2 VOC is 0.24 g/hp-hr, R2 CO is 3.6 g/bhp-hr. The previous NOx emissions were based on Rule 1110.1 NOx ppm limit of 90.

Note, PM and PM10 emission based on EF from AP 42 table 3.2-3

3. PROJECT EMISSIONS (RULE 3000 (6))

A/n	Device	NOx	ROG	CO	SOx	PM10
486745	D12	99.57	60.52	822.20	0	2.67

486746	D1	9.37	2.65	39.09	0	0.64
486743	D5	9.37	2.65	39.09	0	0.64
434507	D12	-143.60	-87.29	-1185.87	0	-3.85
434478	D1	-23.14	-4.78	-71.75	0	-0.64
434501	D5	-23.14	-4.78	-71.75	0	-0.64
Net change in emissions		-71.57	-31.03	-446.99	+0	-1.18

The net change in emissions are below the threshold limits per Rule 3000 (15)(A)(vi).

RULES EVALUATION:

Rule 212 There is no increase in emissions, thus section (c) and (g) does not apply. The previous 30 day ave emissions were revised, there is no actual increase in emissions

Section (c)(3)(A)(i)

Equipment	MICR	Limit	Trgger Public Notice
Engine	n/a	10E-06	NO

Section (g)

Item	Lb/dy daily maximum	Allow limit-lb/dy	Trigger Public notice
NOx	+0	40	No
ROG	+0	30	No
CO	+0	220	No
PM10	+0	30	No
SOx	+0	60	No

Net decrease in emissions, see previous sections

Rule 401 The equipment is not expected to emit visible emissions.

Rule 402 The equipment is not expected to emit odorous emissions.

Rule 404 Grain loading from the engine expected to comply.

Rule 407 Does not apply per section (b)(1)

Rule 409 Does not apply per second paragraph of this Rule

Rule 431.1. This rule limits the sulfur content of natural gas sold in the district to 16 ppm sulfur. Compliance is expected.

Rule 431.2 Facility permit condition limits the sulfur content of the fuel to 15 ppmw

Rule 1110.2. Compliance is expected with the following sections:

A. Current concentration limits

Device	CO ppmv @ 15% oxygen	ROG ppmv @ 15% oxygen
D1	250	30
D5	250	30
D12	2000	250

D12 operates less than 500 per year (range 35.8 to 162.5 hours, see attached letter dated 7/2/2009) for the last three previous years.

The applicant overhauled the NSCR and replace the catalyst with fresh stock to comply with the current VOC and CO limits, see table below for recent test data (applicant uses standard protocol, copy of report goes to Compliance)

Item	D1	D5	Compliance limit ppmv	Compliance	Units
CO	16.2	62.6	250	Yes	15% O2 ppmv
ROG	4.09	3.67	30	Yes	15% O2 ppmv

Item	D12	Compliance limit ppmv	Compliance	Units
CO	346.1	2000	Yes	15% O2 ppmv
ROG	154.2	250	yes	15% O2 ppmv

Copy of source test in file

Section (d)(1)(B)-Engine D12 operates less than 500 hours per year and will be subject to permit condition limiting the hours per year operation. Engines D1 and D5 are subject to the 7/1/2011 concentration limits

(applicant provided source testing summaries and the engines complies with the current concentrations limits). To ensure compliance with the current limits the applicant serviced the NSCR and replace the catalyst with fresh stock.

Section (d)(1)(E)- Rich burn engines are equipped with air/fuel ratio controllers. This section apply to spark ignited engines not equipped with CEMs, thus D12 is not subject to this requirement.

Section (d)(2)(A)-The engine current meet the emissions standards, table VI does not apply.

Section (e)(3)(A)-D12 is equipped with a RECLAIM NOx CEMs,

Section (e)(3)(B)-CO CEMs not required for the rich burn or lean burn engines, thus Table VII does not apply

Section (e)(4)-Requires I&M plan to be submitted to the District by 8/1/2008. The plan has been filed with the District (see a/n 486498)

Section (e)(5)-The original command and control permits does list the air/fuel ratio controllers for D1 and D5, but when the permit was listed in RECLAIM format the controller was not listed. The controller will be listed in the facility permit.

Section (f)(1)(A)(ii)(III)- Each of the rich burn engines are less than 500 HP, CO CEMs requirements does not apply.

Section (f)(1)(A)(vii)- CO CEMs not required for lean burn engines.

Section (f)(1)(B)-install time meter. Time meters are installed on the engines.

Section (f)(1)(C)(i)-Effective 8/1/08 require source testing once every 2 years or every 8760 operating hours. If the engines operate less than 2000 hours since the previous test, then testing is once every three years.

Section (f)(1)(C)(ii)-Conduct test for at least 60 minutes. Test must occur at least after 40 hours after a tune up

Section (f)(1)(C)(ii)-Use contractor that is approved to do the necessary test

Section (f)(1)(C)(iv)-Submit source test protocol at least 60 days prior to testing and the protocol has to be approved by the District (if required by this Rule).

Section (f)(1)(C)(vi)-Submit source test reports within 60 days of the test (if required by the Rule)

Section (f)(1)(D)-Require one I&M per facility to be submitted to the District. Plan has been submitted to the District (see a/n 486498).

Section (f)(1)(D)(iii) test engine weekly or every 150 hours of operation with a portable analyzer. Included in the plan evaluation, (see a/n 486498).

Section (f)(1)(D)(iii)(I) if the engine is in compliance with the previous section, then allowing testing once every month or 750 hours of operation. Included in the plan evaluation (see a/n 486498).

Section (f)(1)(D)(iii)(II) For D12, the CO limit is 2000 pppmv and the engine is equipped with a NOx CEMs, does not apply.

Section (f)(1)(D)(iii)(III) For D12, the CO limit is 2000 pppmv and the engine is equipped with a NOx CEMs, then no periodic CO emissions check is required.

Section (f)(1)(D)(iii)(V) the portable analyzer shall be calibrated. Included in the plan evaluation (see a/n 486498).

Section (f)(1)(D)(iv) Procedures for daily monitoring. Included in the plan evaluation, (see a/n 486498).

Section (f)(1)(E) Operating log

The inspection and monitoring plan is required to be submitted in the compliance plan per section (e)(4). The requirements of section (f)(1)(D) will be addressed in the compliance plan, (plan filed, see a/n 486498). Permit conditions for this section of the Rule will only address the min. periodic monitoring requirements.

Reg. XIII Compliance with the following sections is anticipated.

1303 (a)-BACT- Does not apply no increase in HP rating or emissions.

1303 (b)(1)- Does not apply no increase in HP rating or emissions .

1303 (b)(2)- NOx, ROG, CO, PM10 and SOx

			30 day ave-lb/dy				
Item	A/n	Device	NOx	ROG	CO	SOx	PM10
Engine	486745	D12	99.57	60.52	822.20	0	2.67
Engine	486746	D1	9.37	2.65	39.09	0	0.64
Engine	486747	D5	9.37	2.65	39.09	0	0.64
Engine	434507	D12	-143.60	-87.29	-1185.87	0	-3.85
Engine	434478	D1	-23.14	-4.78	-71.75	0	-0.64
Engine	434501	D5	-23.14	-4.78	-71.75	0	-0.64
Change in emissions			-71.57	-31.03	-446.99	+0	-1.18

RULE 1401- There is no increase in HP rating or emissions, thus exempt from this Rule per section (g)(1)(B). Rule 1401 emissions are calculated for NSR data entry.

RULE 1470- Rule does not apply to spark ignited engines

RULE 1472- Applicant operates one diesel em-ice, rule does not apply.

RULE XVII-Prevention of Significant Deterioration

1701 (b)(2)(A)- There are emissions decreased in CO and VOC, does not apply

1714 (b)(2)(A) The annual criteria emissions are well below the threshold limits of this Rule, thus GHG emission are well below the threshold limits and does not apply

Reg.2005 Compliance with the following sections is anticipated.

2005 (c)(1)-BACT- Does not apply no increase in HP rating or emissions.

2005 (c)(1)(B)- Does not apply no increase in HP rating or emissions.

2005 (c)(2)-Complies

2005 (f)- The applicant has ample RTCs for the operation of the subject equipment. The engines were existing at the time the facility entered the RECLAIM (previous owner was Central Plants) program. Do not add permit condition no. I296. Applicant holds 10200 lb/yr NOx RTCs and starting in 2012 will be 14300 lb/yr.

A. D1 and D5

Equipment	Rule-Large source	Section-emissions factor or concentration limit	type	Value
ICE	(d)(1)(B)(ii)	(d)(2)(C)	Concentration limit	36.4 ppmv

B. D12

Equipment	Rule-Major source	Section-emissions factor or concentration limit	type	Value
ICE	(c)(1)(B)(ii)	(c)(3)	None	none

Regulation XXX

This facility (id# 9053) is included in Phase One of the Title V universe. Therefore the proposed equipment is expected to comply with the following sections:

Rule 3000 (b)(15)(b)(vii)-no increase in green house gas emissions from the existing subject equipment, does not apply.

Rule 3005 (c)(1): The Title V expected permit revision caused by this equipment addition satisfies all the applicable conditions listed in this rule, it constitutes Minor Permit revision (no net emissions increase less than required by Rule 3000 (b)(15)(A)(vi)), see facility emissions summary table in Rule 1303.

Rule 3003 The anticipated Minor permit revision is expected to comply with all the applicable requirements in this rule, of special note are the sections listed below

Section (i)(4) A permit revision may be issued after the permit revision applications meets all conditions in this rule.

Section (j)(1)(A) The EPA Administrator will timely receive the Minor revision upon completion of District evaluation.

Section (j)(1)(C) The EPA Administrator will timely receive the draft of the Minor revision upon completion of District evaluation.

Section (j)(1)(D) The EPA Administrator will timely receive the final Title V permit upon issuance by the District

Section (j)(4)(A) The applicant will be timely notified of any refusal to accept all recommendations for the draft permit

Rule 3006 (a) Exempt per section (b).

California Environmental Quality Act (CEQA)

Does not apply

NSPS

Title 40 Part 60 subpart JJJJ

40 CFR 60.4230

These engines were installed prior to 6/12/2006. Thus these engines are not subject to 40 CFR Part 60 Subpart JJJJ does not apply

40 CFR PART 63 SUBPART ZZZZ

The applicant operates a chiller plant and provides chilled water to various office building and apartments. The facility consist of two 4 stroke spark ignited rich burn natural gas engines and one 4 stroke spark ignited lean burn natural gas engine.. The facility is **not** a Major Source of HAPs

40 CFR 63.6590 (a)(1)(iii), the engines are located at a area source of HAPs and the engines were existing prior to 2006

See Appendix A for NESHAP permit conditions

1. D1 and D5 (both engines less than 500 hp), SI 4SRB

Table 2dto Subpart ZZZZ of Part 63,

- Change oil and filter every 1400 hours of operation or annually whichever comes first (or according to the oil analysis program in 40 CFR 63.6625(j))
- Inspect spark plugs every 1,440 hours of operation or annually whichever comes first
- Inspect all hoses and belts every 1,440 hours of operation or annually whichever comes first and replace as necessary
- Records shall be maintained according to 40 CFR 63.6655(a) and (e). All records required by these devices shall be retained for a minimum of five years, and shall be made available to any District representative upon request.

Add the above requirements as permit conditions

The following is required by 40 CFR 63.6625(e)(8) and 63.6640(a) (see Table 6, item 9);

> You must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

Add the above requirements as permit condition

2. D10 (engine greater than 500 hp), SI 4SLB

Per 40 CFR 63.6603 (a) the engine must comply with the emissions requirements in Table 2b of this Subpart. Per 40 CFR 63.6595 (a), the engine must comply with the emissions requirements listed in this condition by October 19, 2013. The applicant is planning to remove the engine from service prior to October 19, 2013

Table 2dto Subpart ZZZZ of Part 63

- Limit CO concentration to less than 47 ppmv @15% oxygen or reduce the CO emissions by 93 percent. The CO concentration limit will become effective October 19, 2013 per 40 CFR 63.6595. The engine was installed in the 1960s and has no control installed, the applicant was in the process of phasing this engine out prior to CO concentration limit of this being in effect.

  - Change oil and filter every 500 hours of operation or annually whichever comes first (or according to the oil analysis program in 40 CFR 63.6625(j))

  - Inspect spark plugs every 1,000 hours of operation or annually whichever comes first

  - Inspect all hoses and belts every 500 hours of operation or annually whichever comes first and replace as necessary

  - Records shall be maintained according to 40 CFR 63.6655(a) and (e). All records required by these devices shall be retained for a minimum of five years, and shall be made available to any District representative upon request.

Add the above requirements as permit conditions

The following is required by 40 CFR 63.6625(e)(8) and 63.6640(a) (see Table 6, item 9);

> You must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.
>
> *Add the above requirements as permit condition*

RECOMMENDATIONS

Based on the analysis in this report, the equipment is expected to comply with the applicable Rules and Regulations of the SCAQMD and the applicable BACT requirements.

For this reason, the following disposition is recommended; issue a revised Title V Facility Permit reflecting the change of conditions for four non-emergency ICE described under section D.

Updates in Section D of the Title V facility Permit resulting from this addition are listed in Equipment and Condition sections of the attached draft permit.

RECOMMENDATIONS

FOR THIS APPLICATION THE FOLLOWING DISPOSITION IS RECOMMENDED:

Issue P/O

APPENDIX A

NESHAP conditions

D1 and D5

E448.1 The operator shall comply with the following requirements

Change oil and filter every 1400 hours of operation or annually whichever comes first (or according to the oil analysis program in 40 CFR 63.6625 (j))

Inspect spark plugs every 1400 hours of operation or annually whichever comes first

Inspect all hoses and belts every 1400 hours of operation or annually whichever comes first and replace as necessary

Records shall be maintained according to 40 CFR 63.6655(a) and (e). All records required by these devices shall be retained for a minimum of five years, and shall be made available to any District representative upon request

.

[Rule 40 CFR Part 63 Subpart ZZZZ]

E448.2 The operator shall comply with the following requirements

Per 40 CFR 63.6625 (e) and 63.6640 (a), the operator must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions

[Rule 40 CFR Part 63 Subpart ZZZZ]

D12

E448.3 The operator shall comply with the following requirements

Change oil and filter every 500 hours of operation or annually whichever comes first (or according to the oil analysis program in 40 CFR 63.6625 (j))

Inspect spark plugs every 1000 hours of operation or annually whichever comes first

Inspect all hoses and belts every 500 hours of operation or annually whichever comes first and replace as necessary

Records shall be maintained according to 40 CFR 63.6655(a) and (e). All records required by these devices shall be retained for a minimum of five years, and shall be made available to any District representative upon request

[Rule 40 CFR Part 63 Subpart ZZZZ]

E448.4 The operator shall comply with the following requirements

Per 40 CFR 63.6625 (e) and 63.6640 (a), the operator must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions

[Rule 40 CFR Part 63 Subpart ZZZZ]

E448.6 The operator shall comply with the following requirements

Per 40 CFR 63.6603 (a), the engine must comply with the emissions requirements in Table 2b to this subpart.

Per Table 2d (row 8)to Subpart ZZZZ of Part 63,the operator must limit the CO emissions from this engine to less than 47 ppmv@ 15 oxygen or reduce the CO emissions by 93 percent.

Per 40 CFR 63.6595 (a), the engine must comply with the emissions requirements listed in this condition by October 19, 2013.

[Rule 40 CFR Part 63 Subpart ZZZZ]

FACILITY PERMIT TO OPERATE
VEOLIA ENERGY LOS ANGELES, INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, CONDENSING WATER PUMP (CWP) NO. 1, NATURAL GAS, WAUKESHA, MODEL H2470, RICH BURN, NATURALLY ASPIRATED, 8 CYLINDER, WITH AFRC, FULARAC, MODEL 2002, 377 HP WITH A/N:	D1	C2	NOX: LARGE SOURCE**	CO: 250 PPMV NATURAL GAS (5) [RULE 1110.2, 7-9-2010], NOX: 36.4 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; ROG: 30 PPMV (5) [RULE 1110.2, 7-9-2010]	D12.2, D12.3, D29.1, E71.2, E115.1, E448.1, E448.2, H23.2, K67.3
NON-SELECTIVE CATALYTIC REDUCTION, EGS	C2	D1			
INTERNAL COMBUSTION ENGINE, CONDENSING WATER PUMP (CWP) NO. 3, NATURAL GAS, WAUKESHA, MODEL H2470, RICH BURN, NATURALLY ASPIRATED, 8 CYLINDER, WITH AFRC, FULARAC, MODEL 2002, 377 HP WITH A/N:	D5	C6	NOX: LARGE SOURCE**	CO: 250 PPMV (5) [RULE 1110.2, 7-9-2010]; NOX: 36.4 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; ROG: 30 PPMV (5) [RULE 1110.2, 7-9-2010]	D12.2, D12.3, D29.1, E71.2, E115.1, E448.1, E448.2, H23.2, K67.3
NON-SELECTIVE CATALYTIC REDUCTION, EGS	C6	D5			
INTERNAL COMBUSTION ENGINE, NO. 3, DRIVING 15 TON CHILLERS, DIESEL FUEL, NATURAL GAS, NORDBERG, MODEL FSG-136-HSC, LEAN BURN, FOUR CYCLE, SIX CYLINDER, 1650 HP A/N:	D12		NOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 1110.2, 7-9-2010]; PM: (9) [RULE 404, 2-7-1986]; ROG: 250 PPMV (5) [RULE 1110.2, 7-9-2010]	C1.4, D12.3, D29.1, D29.2, D82.1, D323.1, E71.3, E448.3, E448.4, E448.5, H23.2, K67.3

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device

FACILITY PERMIT TO OPERATE
VEOLIA ENERGY LOS ANGELES, INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, FAIRBANKS MORSE, MODEL 50A6TCW-8V, WITH TURBOCHARGER, 515 HP WITH A/N: 434508 GENERATOR	D13		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) **[RULE 2012, 12-5-2003]**; PM: (9) **[RULE 404, 2-7-1986]**	C1.2, D12.3, E116.1, H23.4, K67.2
Process 3: EXTERNAL COMBUSTION					
BOILER, NO. 2, NATURAL GAS, INTL LA MONT, MODEL TJW-C-300-S, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 37.5 MMBTU/HR WITH A/N: 434510 BURNER, NATURAL GAS, COEN, MODEL DAF/FGR 20, WITH LOW NOX BURNER	D16		NOX: LARGE SOURCE**	CO: 400 PPMV (5A) **[RULE 1146, 11-17-2000]**; CO: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; NOX: 37.245 PPMV NATURAL GAS (3) **[RULE 2012, 12-5-2003]**; PM: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**	D328.1, E71.1, H23.3
BOILER, NO. 1, NATURAL GAS, INTL LA MONT, MODEL TJW-C-300-S, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 37.5 MMBTU/HR WITH A/N: 434511 BURNER, NATURAL GAS, COEN, MODEL DAF/FGR 20, WITH LOW NOX BURNER	D17		NOX: LARGE SOURCE**	CO: 400 PPMV (5A) **[RULE 1146, 11-17-2000]**; CO: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; NOX: 37.245 PPMV NATURAL GAS (3) **[RULE 2012, 12-5-2003]**; PM: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**	D328.1, E71.1, H23.3

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
VEOLIA ENERGY LOS ANGELES, INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: EXTERNAL COMBUSTION					
BOILER, NO. 3, FUEL OIL NO. 2, NATURAL GAS, INTERNATIONAL-LAMONT, MODEL TJW-C40, 49 988 MMBTU/HR WITH A/N: INACTIVE BURNER, FUEL OIL NO. 2, NATURAL GAS, COEN, MODEL NO. 230	D18		NOX: LARGE SOURCE**	CO: 400 PPMV (5A) [RULE 1146, 11-17-2000]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 35 PPMV FUEL OIL 2 (3) [RULE 2012, 12-5-2003]; NOX: 37 PPMV NATURAL GAS (3) [RULE 2012, 12-5-2003]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.3, D328.1, D371.1, H23.3, H421.1
Process 4: R219 EXEMPT EQUIPMENT SUBJECT TO A SOURCE-SPECIFIC RULE					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E23			ROG: (9) [RULE 1113, 11-8-1996; *RULE 1113, 7-9-2004;* RULE 1171, 11-7-2003]	K67.1
RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS	E24				H23.1

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
VEOLIA ENERGY LOS ANGELES, INC

SECTION D: DEVICE ID INDEX

The following sub-section provides an index to the devices that make up the facility description sorted by device ID.

FACILITY PERMIT TO OPERATE
VEOLIA ENERGY LOS ANGELES, INC

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D1	1	1	0
C2	1	1	0
D5	1	1	0
C6	1	1	0
D12	1	1	0
D13	2	1	0
D16	2	3	0
D17	2	3	0
D18	3	3	0
E23	3	4	0
E24	3	4	0

FACILITY PERMIT TO OPERATE
VEOLIA ENERGY LOS ANGELES, INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

FACILITY CONDITIONS

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

[**RULE 401, 3-2-1984;** RULE 401, 11-9-2001]

F14.2 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

[RULE 431.2, 9-15-2000]

F14.3 The operator shall not use fuel oil containing sulfur compounds in excess of 0.05 percent by weight.

[**RULE 431.2, 5-4-1990;** RULE 431.2, 9-15-2000]

FACILITY PERMIT TO OPERATE
VEOLIA ENERGY LOS ANGELES, INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

F24.1 Accidental release prevention requirements of Section 112(r)(7):

a). The operator shall comply with the accidental release prevention requirements pursuant to 40 CFR Part 68 and shall submit to the Executive Officer, as a part of an annual compliance certification, a statement that certifies compliance with all of the requirements of 40 CFR Part 68, including the registration and submission of a risk management plan (RMP).

b). The operator shall submit any additional relevant information requested by the Executive Officer or designated agency.

[40CFR 68 - Accidental Release Prevention, 5-24-1996]

DEVICE CONDITIONS

C. Throughput or Operating Parameter Limits

C1.2 The operator shall limit the operating time to no more than 200 hours in any one year.

the operator shall also limit the operating time to no more than 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES..

THE OPERATION OF ENGINE BEYOND 20 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING O.

FACILITY PERMIT TO OPERATE
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 1110.2, 2-1-2008; **RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1304(a) -Modeling and Offset Exemption, 6-14-1996;** RULE 1470, 6-1-2007]

[Devices subject to this condition : D13]

C1.3 The operator shall limit the heat input to no more than 90000 MM Btu in any one year.

The purpose(s) of this condition is to ensure that this equipment qualifies as a large source.

[RULE 2012, 12-5-2003]

[Devices subject to this condition : D18]

C1.4 The operator shall limit the operating time to no more than 500 hour(s) in any one year.

[RULE 1110.2, 2-1-2008]

[Devices subject to this condition : D12]

D. Monitoring/Testing Requirements

D12.2 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature at the inlet and outlet of the catalyst.

The operator shall install and maintain a device to continuously record the parameter being measured.

The operator shall keep records, in a manner approved by the District, the temperature at the inlet and outlet of the catalyst.

FACILITY PERMIT TO OPERATE
VEOLIA ENERGY LOS ANGELES, INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 1110.2, 7-9-2010; **RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D1, D5]

D12.3 The operator shall install and maintain a(n) timer to accurately indicate the elapsed operating time of the engine.

[RULE 1110.2, 2-1-2008; **RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1470, 6-1-2007]

[Devices subject to this condition : D1, D5, D12, D13]

D29.1 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
CO emissions	District method 100.1	District-approved averaging time	Outlet
ROG emissions	District Method 25.1 or 25.3	District-approved averaging time	Outlet

FACILITY PERMIT TO OPERATE
VEOLIA ENERGY LOS ANGELES, INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The test shall be conducted once every two years or every 8760 operating hours, which ever comes first. If the engine operate less than 2000 hrs since the previous test, then testing once every 3 years.

if the engine has not been operated within 3 months of the test date, follow the testing schedule per Rule 1110.2 (f)(1)(C)

For D1, D2 and D3 the source test shall be conducted while the engine is operating per conditon no. E71.2.

For D11 and D12 the source test shall be conducted while the engine is operating per condition no. E71.3.

The source test results shall be submittted to the District no later than 60 days after the source test was conducted, per Rule 1110. (f)(1)(C)(vi).

the operator of the engine shall keep sufficient operating records to demonstrate that it meets the requirments for exstension of the source testing deadlines

[RULE 1110.2, 2-1-2008]

[Devices subject to this condition : D1, D5, D12]

D29.2 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
PM emissions	District method 5.1	District-approved averaging time	Outlet

FACILITY PERMIT TO OPERATE
VEOLIA ENERGY LOS ANGELES, INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The test shall be conducted at least once every five years

The test shall be conducted when this equipment is operating at normal load

The test shall be conducted to demonstrate compliance with Rule 404

The test shall be conducted when the equipment is fired on diesel fuel.

The test is not required if the diesel fuel is used as a pilot fuel to start the engine, once started the main fuel is natural gas.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 404, 2-7-1986]

[Devices subject to this condition : D12]

D82.1 The operator shall install and maintain a CEMS to measure the following parameters:

NOX concentration in ppmv

Concentrations shall be corrected to 15 percent oxygen on a dry basis.

The CEMS will convert the actual NOX concentrations to mass emission rates (lbs/hr) and record the hourly emission rates on a continuous basis.

[RULE 2012, 12-7-1995]

[Devices subject to this condition : D12]

FACILITY PERMIT TO OPERATE
VEOLIA ENERGY LOS ANGELES, INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a quarterly basis, at least, unless the equipment did not operate during the entire quarterly period. The routine quarterly inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or

2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

1). Stack or emission point identification;

2). Description of any corrective actions taken to abate visible emissions;

3). Date and time visible emission was abated; and

4). All visible emission observation records by operator or a certified smoke reader.

FACILITY PERMIT TO OPERATE
VEOLIA ENERGY LOS ANGELES, INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D12]

D328.1 The operator shall determine compliance with the CO emission limit(s) either: (a) conducting a source test at least once every five years using AQMD Method 100.1 or 10.1; or (b) conducting a test at least annually using a portable analyzer and AQMD-approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 1146. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D16, D17, D18]

FACILITY PERMIT TO OPERATE
VEOLIA ENERGY LOS ANGELES, INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D371.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever this equipment has combusted one million gallons of diesel fuel, to be counted cumulatively over a five year period. The inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall:

Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three working days (or during the next fuel oil firing period if the unit ceases firing on fuel oil within the three working day time frame) and report any deviations to AQMD.

In addition, the operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

a). Stack or emission point identification;

b). Description of any corrective actions taken to abate visible emissions;

c). Date and time visible emission was abated; and

d). Visible emission observation record by a certified smoke reader.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001]

[Devices subject to this condition : D18]

E. Equipment Operation/Construction Requirements

E71.1 The operator shall not use this equipment if the flue gas recirculation (FGR) system is not working.

FACILITY PERMIT TO OPERATE
VEOLIA ENERGY LOS ANGELES, INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D16, D17]

E71.2 The operator shall only operate this equipment at specific load equivalent to 90% load (+/- 10%), except during start-up, shut down, testing, and after returning an engine to service during the engine break-in period after major repairs or overhaul.

[RULE 1110.2, 2-1-2008]

[Devices subject to this condition : D1, D5]

E71.3 The operator shall only operate this equipment at specific load equivalent to 70% load (+/- 10%), except during start-up, shut down, testing, and after returning an engine to service during the engine break-in period after major repairs or overhaul.

[RULE 1110.2, 2-1-2008]

[Devices subject to this condition : D12]

E115.1 The operator shall maintain an automatic air-to-fuel ratio controller so as to regulate the air-to-fuel ratio within tolerance limits as recommended by the catalyst supplier or manufacturer.

The operator shall maintain an exhaust gas oxygen sensor that monitors the exhaust gas oxygen concentration. The display of the exhaust gas oxygen concentration shall read in millivolts (mv).

The mV range shall be maintained between 300-900 mV

Whenever the oxygen sensor is replaced the AFRC set points shall be reset per Rule 1110.2 (f)(1)(i)(III)

FACILITY PERMIT TO OPERATE
VEOLIA ENERGY LOS ANGELES, INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 1110.2, 2-1-2008]

[Devices subject to this condition : D1, D5]

E116.1 This engine shall not be used as part of a demand response program using interruptible service contract in which a facility receives a payment or reduced rates in return for reducing its electric load on the grid when requested to do so by the utility or the grid operator.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1470, 4-2-2004]

[Devices subject to this condition : D13]

E448.1 The operator shall comply with the following requirements:

Change oil and filter every 1400 hours of operation or annually whichever comes first (or according to the oil analysis program in 40 CFR 63.6625 (j))

Inspect spark plugs every 1400 hours of operation or annually whichever comes first

Inspect all hoses and belts every 1400 hours of operation or annually whichever comes first and replace as necessary

Records shall be maintained according to 40 CFR 63.6655(a) and (e). All records required by these devices shall be retained for a minimum of five years, and shall be made available to any District representative upon request

[40CFR 63 Subpart ZZZZ, 1-18-2008]

[Devices subject to this condition : D1, D5]

FACILITY PERMIT TO OPERATE
VEOLIA ENERGY LOS ANGELES, INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

E448.2 The operator shall comply with the following requirements:

Per 40 CFR 63.6625 (e) and 63.6640 (a), the operator must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions

[40CFR 63 Subpart ZZZZ, 1-18-2008]

[Devices subject to this condition : D1, D5]

E448.3 The operator shall comply with the following requirements:

Change oil and filter every 500 hours of operation or annually whichever comes first (or according to the oil analysis program in 40 CFR 63.6625 (j))

Inspect all hoses and belts every 500 hours of operation or annually whichever comes first and replace as necessary

Records shall be maintained according to 40 CFR 63.6655(a) and (e). All records required by these devices shall be retained for a minimum of five years, and shall be made available to any District representative upon request

[40CFR 63 Subpart ZZZZ, 1-18-2008]

[Devices subject to this condition : D12]

E448.4 The operator shall comply with the following requirements:

FACILITY PERMIT TO OPERATE
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Per 40 CFR 63.6625 (e) and 63.6640 (a), the operator must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions

[40CFR 63 Subpart ZZZZ, 1-18-2008]

[Devices subject to this condition : D12]

E448.5 The operator shall comply with the following requirements:

Per 40 CFR 63.6603 (a), the engine must comply with the emissions requirements in Table 2b to this subpart.

Per Table 2d (row 8)to Subpart ZZZZ of Part 63,the operator must limit the CO emissions from this engine to less than 47 ppmv@ 15 oxygen or reduce the CO emissions by 93 percent.

Per 40 CFR 63.6595 (a), the engine must comply with the emissions requirements listed in this condition by October 19, 2013.

[40CFR 63 Subpart ZZZZ, 1-18-2008]

[Devices subject to this condition : D12]

H. Applicable Rules

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

FACILITY PERMIT TO OPERATE
VEOLIA ENERGY LOS ANGELES, INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Contaminant	Rule	Rule/Subpart
Refrigerants	40CFR82, SUBPART	F
Refrigerants	District Rule	1415

[RULE 1415, 10-14-1994; **40CFR 82 Subpart F, 5-14-1993]**

[Devices subject to this condition : E24]

H23.2 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
CO	District Rule	1110.2
VOC	District Rule	1110.2

The operator shall comply with the reporting requirements of rule 1110.2 (f)(1)(h)(i) through (iii) pertaining to any equipment breakdown that results in emissions in excess of rule or permit emissions limits

This equipment shall comply with periodic monitoring requirements of rule 1110.2(f)(1)(D)(iii).

[RULE 1110.2, 2-1-2008]

[Devices subject to this condition : D1, D5, D12]

H23.3 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
CO	District Rule	1146

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The operator shall comply with the terms and conditions set forth below:

[RULE 1146, 11-17-2000]

[Devices subject to this condition : D16, D17, D18]

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM10	District Rule	1470

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D13]

H421.1 The operator shall determine compliance with Rule 409 by complying with the tune-up requirements of Rule 1146, whenever the annual fuel oil usage exceeds 1 MM gallons in any one year or the hours of operations on fuel oil exceeds 336 hours in any one year. If annual fuel oil usage exceeds 2 MM gallons in any one year, the operator shall also conduct a source test to determine PM emissions using District method 5.1 measured over a 15 minute averaging time period at least once every five years and with this equipment fired on fuel oil and operating at normal load.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D18]

K. Record Keeping/Reporting

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

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The operator shall comply with the terms and conditions set forth below:

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings.

For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials used for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : E23]

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

A. EMERGENCY USE HOURS OF OPERATION

B. MAINTENANCE AND TESTING HOURS

C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)

IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR

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The operator shall comply with the terms and conditions set forth below:

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1470, 6-1-2007]

[Devices subject to this condition : D13]

K67.3 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

This equipment shall comply with the following additional monitoring and record keeping requirements of rule 1110.2(F)(1)(e) as outlined below:

Maintain a monthly operating engine log that includes:

1. Total hours of operation

2. Type of gaseous fuel

3. Fuel consumption (cubic feet of gas) and,

4. Cumulative hours of operation since the last source test required in subparagraph (f)(1)(c) of Rule 1110.2

The log shall be made available for inspection at any time.

The operator shall comply with the reporting requirements of rule 1110.2 (f)(1)(h)(i) through (iii) pertaining to any equipment breakdown that results in emissions in excess of rule or permit emissions limits

All records required by these devices shall be retained for a minimum of five years, and shall be made available to any District representative upon request

[RULE 1110.2, 7-9-2010]

[Devices subject to this condition : D1, D5, D12]