



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

October 9, 2013

Mr. Douglas Halliday
Chief Operating Officer
Bicent (California) Malburg LLC
4963 S Soto St.
Vernon, CA 90058-2911

SUBJECT: RECLAIM/Title V Facility Minor Permit Revision
(Facility ID: 155474)

Dear Mr. Halliday:

Please find attached the revised Title Page, Table of Contents, Section B and Section D of your RECLAIM/Title V Facility Permit. The revised sections reflect the approval of the permit revision requested in your Application No. 518851. The proposed permit revision was submitted to EPA for 45-day review on April 16, 2013. On May 22, 2013, EPA review was completed. On June 27, 2013, the RTC trade registration providing the required 1073 pounds of NOx RTCs was processed. This permit revision includes a change of permit condition for the following equipment.

Equipment	Application No.	Device No.	Process	Permit Type
Turbine No. 1	517249	D27	1/3	PO
Turbine No. 2	517250	D36	1/4	PO

Please review the attached sections carefully. Insert the enclosed sections into your RECLAIM/ Title V Facility Permit and discard the earlier versions. Questions concerning changes to your permit should be directed to Ms. Vicky Lee at (909) 396-2284.

Very truly yours,

Andrew Lee, P.E.

Senior Manager
Energy/Public Services/Waste Mgmt/Terminals-
Permitting
Engineering and Compliance

AYL:CDT:JTY:VL

Enclosure: Facility Permit

cc: Gerardo Rios, EPA Region IX (w/ enclosure)
Ed Pupka, AQMD Compliance (w/ enclosure)



FACILITY PERMIT TO OPERATE

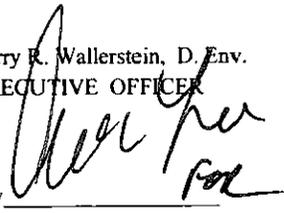
**BICENT (CALIFORNIA) MALBURG LLC
4963 S SOTO ST
VERNON, CA 90058**

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.
EXECUTIVE OFFICER

By 
Mohsen Nazemi, P.E.
Deputy Executive Officer
Engineering & Compliance



**FACILITY PERMIT TO OPERATE
BICENT (CALIFORNIA) MALBURG LLC**

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**FACILITY PERMIT TO OPERATE
BICENT (CALIFORNIA) MALBURG LLC**

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC ¹ Holding as of 10/09/2013 (pounds)	Non-Tradable ² Non-Usable RTCs (pounds)
7/2010 6/2011	Coastal	28480	12827	0
1/2011 12/2011	Coastal	0	3728	0
7/2011 6/2012	Coastal	28480	11233	0
1/2012 12/2012	Coastal	0	26867	0
7/2012 6/2013	Coastal	28480	26866	0
1/2013 12/2013	Coastal	0	27940	0
7/2013 6/2014	Coastal	28480	26866	0
1/2014 12/2014	Coastal	0	26867	0
7/2014 6/2015	Coastal	28480	26866	0
1/2015 12/2015	Coastal	0	26867	0
7/2015 6/2016	Coastal	28480	26866	0
1/2016 12/2016	Coastal	0	26867	0
7/2016 6/2017	Coastal	28480	26866	0
1/2017 12/2017	Coastal	0	26867	0
7/2017 6/2018	Coastal	28480	26866	0
1/2018 12/2018	Coastal	0	26867	0
7/2018 6/2019	Coastal	28480	26866	0

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.



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SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

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The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC ¹ Holding as of 10/09/2013 (pounds)	Non-Tradable ² Non-Usable RTCs (pounds)
1/2019 12/2019	Coastal	0	26867	0
7/2019 6/2020	Coastal	28480	26866	0
1/2020 12/2020	Coastal	0	26867	0
7/2020 6/2021	Coastal	28480	26866	0
1/2021 12/2021	Coastal	0	26867	0
7/2021 6/2022	Coastal	28480	26866	0
1/2022 12/2022	Coastal	0	26867	0
7/2022 6/2023	Coastal	28480	26866	0
1/2023 12/2023	Coastal	0	26867	0
7/2023 6/2024	Coastal	28480	26866	0
1/2024 12/2024	Coastal	0	26867	0
7/2024 6/2025	Coastal	28480	26866	0
1/2025 12/2025	Coastal	0	26867	0
7/2025 6/2026	Coastal	28480	26866	0
1/2026 12/2026	Coastal	0	26867	0
7/2026 6/2027	Coastal	28480	26866	0
1/2027 12/2027	Coastal	0	26867	0

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.



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SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC ¹ Holding as of 10/09/2013 (pounds)	Non-Tradable ² Non-Usable RTCs (pounds)
7/2027 6/2028	Coastal	28480	26866	0
1/2028 12/2028	Coastal	0	26867	0

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.



FACILITY PERMIT TO OPERATE
BICENT (CALIFORNIA) MALBURG LLC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. If the facility submits a permit application to increase in an annual allocation to a level greater than the facility's starting Allocation plus Non-Tradable credits as listed below, the application will be evaluated for compliance with Rule 2005 (c)(4). Rule 2005 (e) - Trading Zone Restrictions applies if an annual allocation is increased to a level greater than the facility's Starting Allocation plus Non-Tradable Credits:

Year Begin End (month/year)	Zone	NOx RTC Starting Allocation (pounds)	Non-Tradable Credits(NTC) (pounds)
7/1994 6/1995	Coastal	296280	7720



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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				
System 3:	ELECTRIC GENERATION, GAS TURBINE (MGS POWER ISLAND NO. 1)				

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



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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: INTERNAL COMBUSTION					
GENERATOR, STEAM TURBINE GENERATOR (STG), COMMON WITH HRSG NO. 2					
BURNER, DUCT BURNER, NATURAL GAS, SERVING HRSG NO. 1, 81.2 MMBTU/HR A/N: 517249	D31	C32 C33	NOX: MAJOR SOURCE**	CO: 2 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1) -BACT, 12-6-2002]; CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 2 PPMV NATURAL GAS (4) [RULE 1703(a)(2) - PSD-BACT, 10-7-1988; RULE 2005, 6-3-2011]; NOX: 110 PPMV NATURAL GAS (8) [40CFR 60 Subpart GG, 2-24-2006]; PM: 0.01 GRAINS/SCF (5A) [RULE 475, 10-8-1976; RULE 475, 8-7-1978]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; PM: 11 LBS/HR (5B) [RULE 475, 10-8-1976; RULE 475, 8-7-1978]; SO2: (9) [40CFR 72 - Acid Rain Provisions, 11-24-1997]; SOX: 150 PPMV NATURAL GAS (8) [40CFR 60 Subpart GG, 2-24-2006]; VOC: 2 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	A63.3, A99.3, A99.4, A99.5, A195.1, A195.2, A195.3, A327.1, C1.4, D12.3, D29.2, D82.1, D82.2, E57.1, I298.1, K40.1, K67.4

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
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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					
CO OXIDATION CATALYST, NO.1, EMERACHEM, METAL MONOLITH, SERVING TURBINE NO. 1, VOLUME 63 CU. FT. A/N: 482570	C32	D27 D31			
SELECTIVE CATALYTIC REDUCTION, NO. 1, SERVING TURBINE NO. 1, 537.1 CU.FT.; WIDTH: 10 FT 11 IN; HEIGHT: 47 FT 7 IN; LENGTH: 3 FT 6 IN WITH A/N: 482570 AMMONIA INJECTION	C33	D27 D31		NH3: 5 PPMV (4) [RULE 1303(a) (1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	A195.4, D12.4, D12.5, D12.6, D29.3, E179.4, E179.5
STACK, NO. 1, SERVING TURBINE NO. 1, HEIGHT: 110 FT ; DIAMETER: 12 FT A/N: 517249	D35				
System 4: ELECTRIC GENERATION, GAS TURBINE (MGS POWER ISLAND NO. 2)					

* (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
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: INTERNAL COMBUSTION					
GENERATOR, STEAM TURBINE GENERATOR (STG), COMMON WITH HRSG NO. 1					
BURNER, DUCT BURNER, NATURAL GAS, SERVING HRSG NO. 2, 81.2 MMBTU/HR A/N: 517250	D39	C40 C41	NOX: MAJOR SOURCE**	CO: 2 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1) -BACT, 12-6-2002]; CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 2 PPMV NATURAL GAS (4) [RULE 1703(a)(2) - PSD-BACT, 10-7-1988; RULE 2005, 6-3-2011]; NOX: 110 PPMV NATURAL GAS (8) [40CFR 60 Subpart GG, 2-24-2006]; PM: 0.01 GRAINS/SCF (5A) [RULE 475, 10-8-1976; RULE 475, 8-7-1978]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; PM: 11 LBS/HR (5B) [RULE 475, 10-8-1976; RULE 475, 8-7-1978]; SO2: (9) [40CFR 72 - Acid Rain Provisions, 11-24-1997]; SOX: 150 PPMV NATURAL GAS (8) [40CFR 60 Subpart GG, 2-24-2006]; VOC: 2 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	A63.3, A99.3, A99.4, A99.5, A195.1, A195.2, A195.3, A327.1, C1.4, D12.3, D29.2, D82.1, D82.2, E57.1, I298.2, K40.1, K67.4

* (1) (1A) (1B) Denotes RECLAIM emission factor
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(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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FACILITY PERMIT TO OPERATE BICENT (CALIFORNIA) MALBURG LLC

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					
CO OXIDATION CATALYST, NO. 2, EMERACHEM, METAL MONOLITH, SERVING TURBINE NO.2, VOLUME 63 CU. FT. A/N: 482571	C40	D36 D39			
SELECTIVE CATALYTIC REDUCTION, NO. 2, SERVING TURBINE NO. 2, 537.1 CU.FT.; WIDTH: 10 FT 11 IN; HEIGHT: 47 FT 7 IN; LENGTH: 3 FT 6 IN WITH AMMONIA INJECTION	C41	D36 D39		NH3: 5 PPMV (4) [RULE 1303(a) (1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	A195.4, D12.4, D12.5, D12.6, D29.3, E179.4, E179.5
STACK, NO. 2, SERVING TURBINE NO. 2, HEIGHT: 110 FT ; DIAMETER: 12 FT A/N: 517250	D43				
System 5: FIRE WATER PUMP DRIVER					

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



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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 FIRE, DIESEL FUEL, DEUTZ, MODEL BF6M2012, FIRE WATER PUMP DRIVER, WITH AFTERCOOLER, TURBOCHARGER, 173 BHP A/N: 482576	D48		NOX: PROCESS UNIT**	CO: 0.4 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; NOX: 3.9 GRAM/BHP-HR DIESEL (4) [RULE 2005, 4-20-2001]; NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 12-5-2003; RULE 2012, 1-7-2005]; PM10: 0.09 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; VOC: 0.1 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	B61.2, C1.5, D12.2, I298.3, K48.1, K67.2
Process 4: INORGANIC CHEMICAL STORAGE					
TANK, AQUEOUS AMMONIA, AMMONIA, 19% SOLUTION WITH VAPOR RETURN LINE, 8800 GALS; DIAMETER: 10 FT ; HEIGHT: 15 FT A/N: 482573	D44				C157.1, E144.1
Process 5: OIL WATER SEPARATION					
OIL WATER SEPARATOR A/N: 482574	D45				
Process 6: Rule 219 Exempt Equipment Subject to Source Specific Rules					
RULE 219 EXEMPT EQUIPMENT, ARCHITECTURAL COATING	E47			ROG: (9) [RULE 1113, 11-8-1996; RULE 1113, 7-13-2007; RULE 1171, 11-7-2003; RULE 1171, 2-1-2008]	K67.1

* (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
BICENT (CALIFORNIA) MALBURG LLC**

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
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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D27	3	1	3
D31	3	1	3
C32	4	1	3
C33	4	1	3
D35	4	1	3
D36	6	1	4
D39	6	1	4
C40	7	1	4
C41	7	1	4
D43	7	1	4
D44	8	4	0
D45	8	5	0
E47	8	6	0
D48	8	1	5



**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:

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]

F14.1 The operator shall not use diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 431.2, 9-15-2000]

F14.2 The operator shall not use diesel fuel containing sulfur compounds in excess of 0.05 percent by weight.

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

F16.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Purchase records of fuel oil and sulfur content of the fuel



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

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]

DEVICE CONDITIONS

A. Emission Limits

A63.3 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than 7633 LBS IN ANY ONE MONTH
PM10	Less than 4876 LBS IN ANY ONE MONTH
VOC	Less than 3236 LBS IN ANY ONE MONTH
SOX	Less than 214 LBS IN ANY ONE MONTH

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from equipment D27, D36 (both gas turbines) and D31, D39 (both duct burners).

The operator shall calculate the emissions for CO, after the CO CEMS certification, based on the readings from the certified CO CEMS. In the event CO CEMS is not operating, or the emissions exceed the valid upper range of the analyzer, the emissions shall be calculated in accordance with the approved CEMS plan.

The operator shall calculate the emissions by using monthly fuel use data and the following emission factors: PM10 7.397 lbs/mmescf, VOC 1.63 lbs/mmescf and SOx 0.28 lb/mmescf.

The operator shall maintain records in a manner approved by the District to demonstrate compliance with this condition and the records shall be made available to District personnel upon request.



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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 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D27, D31, D36, D39]

A99.3 The 2 PPM NOX emission limit(s) shall not apply during turbine startups and shutdowns.



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

For the purposes of this condition, a startup begins with the initiation of combustion, and concludes at the end of the 15-minute quadrant in which BACT is achieved or the startup is aborted by a trip. A startup may include one or more trips and restart attempts. A trip is an event in which the turbine experiences an automatic equipment shutdown to prevent equipment damage or as a result of equipment malfunction.

A cold startup shall be defined as a startup which occurs after the turbine has been shut down for more than 48 hours. Each cold startup, without a trip, shall not exceed 120 minutes. Each cold startup, with one or more trips, shall not exceed 150 minutes. NOx emissions for a cold start-up, with or without trip(s), shall not exceed 122.8 lbs.

A non-cold startup shall be defined as a startup which occurs after the turbine has been shut down for 48 hours or less. Each non-cold startup, without a trip, shall not exceed 90 minutes. Each non-cold startup, with one or more trips, shall not exceed 120 minutes. NOx emissions for a non-cold startup, with or without trip(s), shall not exceed 51.3 lbs.

A shutdown is a controlled process of unloading the turbine/generator and opening the generator breaker. A shutdown begins 30 minutes prior to cessation of combustion and ends with cessation of combustion. Each shutdown shall not exceed 30 minutes. NOx emissions for a shutdown shall not exceed 4.5 lbs.

The turbine shall be limited to a maximum of 10 startups per month, which includes no more than 5 cold startups per month, with no more than 2 startups in any day. The turbine shall be limited to a maximum of 56 startups per year, which includes no more than 30 cold startups per year.

The operator shall maintain records in a manner approved by the District to demonstrate compliance with this condition and the records shall be made available to District personnel upon request.

[RULE 1703(a)(2) - PSD-BACT, 10-7-1988; RULE 2005, 6-3-2011]

[Devices subject to this condition : D27, D31, D36, D39]



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

A99.4 The 2 PPM CO emission limit(s) shall not apply during turbine startups and shutdowns.

For the purposes of this condition, a startup begins with the initiation of combustion, and concludes at the end of the 15-minute quadrant in which BACT is achieved or the startup is aborted by a trip. A startup may include one or more trips and restart attempts. A trip is an event in which the turbine experiences an automatic equipment shutdown to prevent equipment damage or as a result of equipment malfunction.

A cold startup shall be defined as a startup which occurs after the turbine has been shut down for more than 48 hours. Each cold startup, without a trip, shall not exceed 120 minutes. Each cold startup, with one or more trips, shall not exceed 150 minutes. CO emissions for a cold start-up, with or without trip(s), shall not exceed 204.8 lbs.

A non-cold startup shall be defined as a startup which occurs after the turbine has been shut down for 48 hours or less. Each non-cold startup, without a trip, shall not exceed 90 minutes. Each non-cold startup, with one or more trips, shall not exceed 120 minutes. CO emissions for a non-cold startup, with or without trip(s), shall not exceed 59.9 lbs.

A shutdown is a controlled process of unloading the turbine/generator and opening the generator breaker. A shutdown begins 30 minutes prior to cessation of combustion and ends with cessation of combustion. Each shutdown shall not exceed 30 minutes. CO emissions for a shutdown shall not exceed 10.8 lbs.

The turbine shall be limited to a maximum of 10 startups per month, which includes no more than 5 cold startups per month, with no more than 2 startups in any day. The turbine shall be limited to a maximum of 56 startups per year, which includes no more than 30 cold startups per year.

The operator shall maintain records in a manner approved by the District to demonstrate compliance with this condition and the records shall be made available to District personnel upon request.



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

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D27, D31, D36, D39]

A99.5 The 2 PPM VOC emission limit(s) shall not apply during turbine startups and shutdowns.



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

For the purposes of this condition, a startup begins with the initiation of combustion, and concludes at the end of the 15-minute quadrant in which BACT is achieved or the startup is aborted by a trip. A startup may include one or more trips and restart attempts. A trip is an event in which the turbine experiences an automatic equipment shutdown to prevent equipment damage or as a result of equipment malfunction.

A cold startup shall be defined as a startup which occurs after the turbine has been shut down for more than 48 hours. Each cold startup, without a trip, shall not exceed 120 minutes. Each cold startup, with one or more trips, shall not exceed 150 minutes. VOC emissions for a cold start-up, with or without trip(s), shall not exceed 1.75 lbs.

A non-cold startup shall be defined as a startup which occurs after the turbine has been shut down for 48 hours or less. Each non-cold startup, without a trip, shall not exceed 90 minutes. Each non-cold startup, with one or more trips, shall not exceed 120 minutes. VOC emissions for a non-cold startup, with or without trip(s), shall not exceed 1.55 lbs.

A shutdown is a controlled process of unloading the turbine/generator and opening the generator breaker. A shutdown begins 30 minutes prior to cessation of combustion and ends with cessation of combustion. Each shutdown shall not exceed 30 minutes. VOC emissions for a shutdown shall not exceed 0.71 lbs.

The turbine shall be limited to a maximum of 10 startups per month, which includes no more than 5 cold startups per month, with no more than 2 startups in any day. The turbine shall be limited to a maximum of 56 startups per year, which includes no more than 30 cold startups per year.

The operator shall maintain records in a manner approved by the District to demonstrate compliance with this condition and the records shall be made available to District personnel upon request.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D27, D31, D36, D39]



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

A195.1 The 2 PPMV NOX emission limit(s) is averaged over 1 hour at 15 percent oxygen, dry basis.

[RULE 1703(a)(2) - PSD-BACT, 10-7-1988; RULE 2005, 6-3-2011]

[Devices subject to this condition : D27, D31, D36, D39]

A195.2 The 2 PPMV CO emission limit(s) is averaged over 3 hours at 15 percent oxygen, dry basis.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D27, D31, D36, D39]

A195.3 The 2 PPMV VOC emission limit(s) is averaged over 1 hour at 15 percent oxygen, dry basis.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D27, D31, D36, D39]

A195.4 The 5 PPMV NH3 emission limit(s) is averaged over 1 hour at 15 percent oxygen, dry basis. The operator shall calculate and continuously record the ammonia slip concentration using the following:



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

NH_3 (ppmv) = $[a - (b \cdot c / 1000000)] \cdot (1000000 / b)$, where.

a = ammonia injection rate (lbs/hr)/17 (lbs/lb-mole).

b = dry exhaust gas flow rate (lbs/hr)/29 (lbs/lb-mole).

c = change in measured NO_x concentration across SCR (ppmv, dry basis).

The operator shall install and maintain a NO_x analyzer to measure the SCR inlet NO_x ppmv accurate to plus or minus 5 percent and calibrated at least once every 12 months. The NO_x analyzer shall be installed and operated within 90 days of initial startup.

The calculated NH₃ value may not be used for compliance determination without corroborative data using an approved reference method for determination of ammonia.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002**]

[Devices subject to this condition : C33, C41]

A327.1 For the purpose of determining compliance with District Rule 475, combustion contaminant emissions may exceed the concentration limit or the mass emission limit listed, but not both limits at the same time.

[**RULE 475, 10-8-1976; RULE 475, 8-7-1978**]

[Devices subject to this condition : D27, D31, D36, D39]

B. Material/Fuel Type Limits

B61.2 The operator shall only use diesel fuel containing the following specified compounds:



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

Compound	ppm by weight
Sulfur less than or equal to	15

[**RULE 1303(a)(1)-BACT, 5-10-1996**; **RULE 1303(a)(1)-BACT, 12-6-2002**; **RULE 1303(b)(2)-Offset, 5-10-1996**; **RULE 1303(b)(2)-Offset, 12-6-2002**; **RULE 1470, 4-2-2004**]

[Devices subject to this condition : D48]

C. Throughput or Operating Parameter Limits

C1.4 The operator shall limit the fuel usage to no more than 330 MM cubic feet in any one calendar month.

The purpose(s) of this condition is to ensure that the total PM10 emissions shall not exceed 2,438 lbs/month per turbine.

[**RULE 1303(b)(2)-Offset, 5-10-1996**; **RULE 1303(b)(2)-Offset, 12-6-2002**]

[Devices subject to this condition : D27, D31, D36, D39]

C1.5 The operator shall limit the operating time to no more than 199 hour(s) in any one year.

Operations for maintenance and testing as defined in Rule 1470 shall not exceed 50 hours in any one calendar year. The total annual operating time includes all operations including maintenance and testing.

[**RULE 1110.2, 2-1-2008**; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996**; **RULE 1470, 6-1-2007**; **RULE 2012, 5-6-2005**]



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

[Devices subject to this condition : D48]

C157.1 The operator shall install and maintain a pressure relief valve set at 25 psig.

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

[Devices subject to this condition : D44]

D. Monitoring/Testing Requirements

D12.2 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

**[RULE 1110.2, 11-14-1997; RULE 1304(a)-Modeling and Offset Exemption,
6-14-1996; RULE 2012, 12-7-1995; RULE 2012, 3-16-2001; RULE 2012, 5-11-2001]**

[Devices subject to this condition : D48]

D12.3 The operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage of the turbine.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 2005, 6-3-2011]

[Devices subject to this condition : D27, D31, D36, D39]

D12.4 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the total hourly throughput of injected ammonia (NH₃).



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

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

The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 12 months.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 2005, 4-9-1999; RULE 2005, 4-20-2001]

[Devices subject to this condition : C33, C41]

D12.5 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature of the exhaust at the inlet to the SCR reactor.

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

The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 12 months.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 2005, 4-9-1999; RULE 2005, 4-20-2001]

[Devices subject to this condition : C33, C41]

D12.6 The operator shall install and maintain a(n) pressure gauge to accurately indicate the pressure across the SCR catalyst bed in inches of water column.

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

The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 12 months.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2005, 4-20-2001]



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

[Devices subject to this condition : C33, C41]

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	Approved District method	District-approved averaging time	Outlet of the SCR serving this equipment
VOC	Approved District method	1 hour	Outlet of the SCR serving this equipment
SOX emissions	Approved District method	District-approved averaging time	Fuel Sample



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

The test shall be conducted at least once every three years.

The test shall be conducted and the results submitted to the District within 60 days after the test date. The District shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted to demonstrate compliance with the Rule 1303 concentration and/or monthly emissions limits.

The test shall be conducted 1) when the gas turbine and the duct burner are operating simultaneously at 100 percent of maximum heat input and 2) when the gas turbine is operating alone at 100 percent of maximum heat input.

The test shall be conducted for compliance verification of the BACT VOC 2.0 ppmv limit. For natural gas fired turbines only, this shall be demonstrated by the following test method:

- a) Stack gas samples are extracted into Summa canisters, maintaining a final canister pressure between 400 - 500 mm Hg absolute
- b) Pressurization of Summa canisters is done with zero gas analyzed/certified to containing less than 0.05 ppmv total hydrocarbons as carbon
- c) Analysis of Summa canisters is per EPA Method TO-12 (with pre-concentration) and the temperature of the Summa canisters when extracting samples for analysis is not to be below 70 degrees F

Because the BACT level was set using data derived from various source test methods, this alternate method provides a fair comparison and represents the best sampling and analysis technique for this purpose at this time. The test results must be reported with two significant digits.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]



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

[Devices subject to this condition : D27, D31, D36, D39]

D29.3 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
NH3 emissions	District method 207.1 and 5.3 or EPA method 17	1 hour	Outlet of the SCR

The test shall be conducted to demonstrate compliance with the Rule 1303 concentration and/or monthly emissions limits.

The test shall be conducted at least once every calendar quarter for the first year and annually there after.

The test shall be conducted and the results submitted to the District within 60 days after the test date. The District shall be notified of the date and time of the test at least 10 days prior to the test.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2005, 4-20-2001]

[Devices subject to this condition : C33, C41]

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



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

CO concentration in ppmv

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

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

The CEMS shall be installed and operated to measure CO concentration over a 15 minutes averaging time period

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D27, D31, D36, D39]

D82.2 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.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D27, D31, D36, D39]

E. Equipment Operation/Construction Requirements

E57.1 The operator shall vent this equipment to CO oxidation/SCR control system whenever the turbine is in operation.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1703(a)(2) - PSD-BACT, 10-7-1988; RULE 2005, 6-3-2011]



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

[Devices subject to this condition : D27, D31, D36, D39]

E144.1 The operator shall vent this equipment, during filling, only to the vessel from which it is being filled.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D44]

E179.4 For the purpose of the following condition number(s), continuously record shall be defined as recording at least once every hour and shall be calculated upon the average of the continuous monitoring for that hour.

Condition Number D 12- 3

Condition Number D 12- 4

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2005, 4-20-2001]

[Devices subject to this condition : C33, C41]

E179.5 For the purpose of the following condition number(s), continuously record shall be defined as recording at least once every hour and shall be calculated upon the average of the continuous monitoring for that month.

Condition Number D 12- 5

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2005, 4-20-2001]

[Devices subject to this condition : C33, C41]



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

I. Administrative

I298.1 This equipment shall not be operated unless the facility holds 40492 pounds of NO_x RTCs in its allocation account to offset the annual emissions increase for the first year of operation. The RTCs held to satisfy the first year of operation portion of this condition may be transferred only after one year from the initial start of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the start of operation, the facility holds 40492 pounds of NO_x RTCs valid during that compliance year. RTCs held to satisfy the compliance year portion of this condition may be transferred only after the compliance year for which the RTCs are held. If the initial or annual hold amount is partially satisfied by holding RTCs that expire midway through the hold period, those RTCs may be transferred upon their respective expiration dates. This hold amount is in addition to any other amount of RTCs required to be held under other condition(s) stated in this permit.

[RULE 2005, 6-3-2011]

[Devices subject to this condition : D27, D31]



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

I298.2 This equipment shall not be operated unless the facility holds 40492 pounds of NOx RTCs in its allocation account to offset the annual emissions increase for the first year of operation. The RTCs held to satisfy the first year of operation portion of this condition may be transferred only after one year from the initial start of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the start of operation, the facility holds 40492 pounds of NOx RTCs valid during that compliance year. RTCs held to satisfy the compliance year portion of this condition may be transferred only after the compliance year for which the RTCs are held. If the initial or annual hold amount is partially satisfied by holding RTCs that expire midway through the hold period, those RTCs may be transferred upon their respective expiration dates. This hold amount is in addition to any other amount of RTCs required to be held under other condition(s) stated in this permit.

[RULE 2005, 6-3-2011]

[Devices subject to this condition : D36, D39]

I298.3 This equipment shall not be operated unless the facility holds 689 pounds of NOx RTCs in its allocation account to offset the annual emissions increase for the first year of operation. The RTCs held to satisfy the first year of operation portion of this condition may be transferred only after one year from the initial start of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the start of operation, the facility holds 689 pounds of NOx RTCs valid during that compliance year. RTCs held to satisfy the compliance year portion of this condition may be transferred only after the compliance year for which the RTCs are held. If the initial or annual hold amount is partially satisfied by holding RTCs that expire midway through the hold period, those RTCs may be transferred upon their respective expiration dates. This hold amount is in addition to any other amount of RTCs required to be held under other condition(s) stated in this permit.



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

[RULE 2005, 6-3-2011]

[Devices subject to this condition : D48]

K. Record Keeping/Reporting

K40.1 The operator shall provide to the District a source test report in accordance with the following specifications:

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

Emission data shall be expressed in terms of concentration (ppmv) corrected to 15 percent oxygen (dry basis), mass rate (lbs/hr), and lbs/MM Cubic Feet.. In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

All exhaust flow rate shall be expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM).

All moisture concentration shall be expressed in terms of percent corrected to 15 percent oxygen.

Source test results shall also include the oxygen levels in the exhaust, fuel flow rate (CFH), the flue gas temperature, and the generator power output (MW) under which the test was conducted.

Source test results shall also include turbine fuel flow rate under which the test was conducted.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1703(a)(2) - PSD-BACT, 10-7-1988; RULE 2005, 6-3-2011]



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

[Devices subject to this condition : D27, D31, D36, D39]

K48.1 The operator shall maintain records in a manner approved by the District, to demonstrate compliance with the following condition number(s):

Condition Number C 1- 5

Condition Number D 12- 2

**[RULE 1110.2, 11-14-1997; RULE 1304(a)-Modeling and Offset Exemption,
6-14-1996]**

[Devices subject to this condition : D48]

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

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 : E47]



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

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

Date of operation, the elapsed time, in hour and the reason for operation

Maintenance and testing hours of operation

Hours of operation for emission testing to show rule compliance

Other operating hours

[RULE 1110.2, 11-14-1997; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996**; RULE 1470, 3-4-2005]

[Devices subject to this condition : D48]

K67.4 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Operational status of the duct burner and its fuel usage

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002; **RULE 2005, 6-3-2011**; **RULE 2012, 5-6-2005**]

[Devices subject to this condition : D31, D39]