



# South Coast Air Quality Management District



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

June 24, 2008

Gerardo Rios  
Chief – Permits Office  
U.S. EPA – Region IX – Air 3  
75 Hawthorne Street  
San Francisco, CA 94105

Re: Transmittal of Renewal Title V Permit  
LADWP Haynes Generating Station, ID# 800074  
A/N 421794

Dear Mr. Rios:

Enclosed is one final renewal Title V permit issued by the South Coast Air Quality Management District (AQMD). The draft copy of this permit was submitted to EPA Region IX for a 45-day review and made available to the public for a 30-day public comment period. The AQMD did not receive any public comments on the draft permit. As of June 24, 2008, this Title V permit replaces the initial Title V permit.

If there are specific questions on the final permit, please contact permitting engineer Mr. Chris Perri of our General Commercial and Energy team at (909) 396-2696. Questions on the AQMD's Title V permitting program may be referred to me at (909) 396-2662 or Michael D. Mills, the Senior Manager of the team, at (909) 396-2578.

Sincerely,

Mohsen Nazemi, P.E.  
Deputy Executive Officer  
Engineering and Compliance

MN:MDM:MYL:RGC:CGP

Enclosure

cc: Title V Facility File  
Title V Admin File

*Cleaning the air that we breathe...*



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
21865 Copley Drive, Diamond Bar, CA 91765

Title Page  
Facility I.D.#: 800074  
Revision #: 35  
Date: June 24, 2008

## FACILITY PERMIT TO OPERATE

**LA CITY, DWP HAYNES GENERATING STATION  
6801 2ND ST  
LONG BEACH, CA 90803**

### 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 LA CITY, DWP HAYNES GENERATING STATION

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**FACILITY PERMIT TO OPERATE  
LA CITY, DWP HAYNES GENERATING STATION**

**SECTION A: FACILITY INFORMATION**

LEGAL OWNER &/OR OPERATOR: LA CITY, DWP HAYNES GENERATING STATION

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 6801 2ND ST  
LONG BEACH, CA 90803-4324

MAILING ADDRESS: P.O. BOX 51111 RM# 1050  
LOS ANGELES, CA 90051-5700

RESPONSIBLE OFFICIAL: ARAM BENYAMIN

TITLE: ACTING SENIOR ASSISTANT GENERAL MANAGER

TELEPHONE NUMBER: (213) 367-4435

CONTACT PERSON: MARK SEDLACEK

TITLE: DIRECTOR OF ENVIRONMENTAL SERVICES

TELEPHONE NUMBER: (213) 367-0403

TITLE V PERMIT ISSUED: June 24, 2008

TITLE V PERMIT EXPIRATION DATE: June 23, 2013

TITLE V	RECLAIM
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YES	NOx: YES
	SOx: NO
	CYCLE: 1
	ZONE: COASTAL



**FACILITY PERMIT TO OPERATE  
LA CITY, DWP HAYNES GENERATING STATION**

**SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION**

The annual allocation of NO<sub>x</sub> RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NO<sub>x</sub> 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	NO <sub>x</sub> RTC Initially Allocated	NO <sub>x</sub> RTC <sup>1</sup> Holding as of 06/24/08 (pounds)	Non-Tradable <sup>2</sup> Non-Usable RTCs (pounds)
7/2005 6 /2006	Coastal	0	30002	0
1/2006 12/2006	Coastal	489016	390031	0
7/2006 6 /2007	Coastal	0	0	0
1/2007 12/2007	Coastal	489016	119696	0
1/2008 12/2008	Coastal	489016	418598	13203
1/2009 12/2009	Coastal	489016	405394	26407
1/2010 12/2010	Coastal	489016	392191	39610
1/2011 12/2011	Coastal	489016	378987	52814
1/2012 12/2012	Coastal	489016	378987	52814
1/2013 12/2013	Coastal	489016	378987	52814
1/2014 12/2014	Coastal	489016	378987	52814
1/2015 12/2015	Coastal	489016	378987	52814
1/2016 12/2016	Coastal	489016	378987	52814
1/2017 12/2017	Coastal	489016	378987	52814
1/2018 12/2018	Coastal	489016	378987	52814
1/2019 12/2019	Coastal	489016	378987	52814
1/2020 12/2020	Coastal	489016	378987	52814

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  
LA CITY, DWP HAYNES GENERATING STATION**

**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		Zone	NOx RTC Initially Allocated	NOx RTC <sup>1</sup> Holding as of 06/24/08 (pounds)	Non-Tradable <sup>2</sup> Non-Usable RTCs (pounds)
Begin (month/year)	End				
1/2021	12/2021	Coastal	489016	378987	52814
1/2022	12/2022	Coastal	489016	378987	52814
1/2023	12/2023	Coastal	489016	378987	52814

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 RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. If the facility submits a permit application to increase 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		Zone	NO <sub>x</sub> RTC Starting Allocation (pounds)	Non-Tradable Credits(NTCs) (pounds)
Begin	End			
1/1994	12/1994	Coastal	3666443	0



**FACILITY PERMIT TO OPERATE  
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**SECTION C: FACILITY PLOT PLAN**

(TO BE DEVELOPED)



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### 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
<b>Process 1 : POWER GENERATION</b>					
<b>System 1 : BOILERS</b>					
BOILER, UNIT NO. 1, FUEL OIL, NATURAL GAS, COMBUSTION ENGINEERING, FRONT FIRED, AIR PREHEATED, WITH OXYGEN CONTENT CONTROL, 2240 MMBTU/HR WITH A/N: 410730  GENERATOR, 230 MW  INJECTOR, MAGNESIUM COMPOUNDS, FUEL OIL ADDITIVE SYSTEM	D1	C73 S96	NOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 12.37 LBS/1000 GAL FUEL OIL (1) [RULE 2012,5-6-2005] ; NOX: 5 PPMV (5A) [RULE 2009,5-11-2001]  PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; SO2: (9) [40CFR 72 - Acid Rain Provisions,11-24-1997] ; SOX: 500 PPMV FUEL OIL (5) [RULE 407,4-2-1982]	A195.5, B59.1, D182.1, D371.1, E202.1, E204.1, E204.2, K171.1
SELECTIVE CATALYTIC REDUCTION, UNIT NO. 1, TWO BABCOCK & WILCOX REACTORS, 1760 CUBIC FEET OF TOTAL CATALYST VOLUME, WIDTH: 19 FT 3 IN; HEIGHT: 23 FT 9 IN; LENGTH: 12 FT 10 IN WITH A/N: 259533	C73	D1		NH3: 20 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002] ; NH3: 10 PPMV FUEL OIL (4) [RULE 1303(a)(1)-BACT,5-10-1996  RULE 1303(a)(1)-BACT,12-6-2002]	A99.1, C1.2, D12.2, D12.3, D28.2, D28.3, E73.1, E179.1, E179.2

* (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	(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.



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<b>Process 1 : POWER GENERATION</b>					
AMMONIA INJECTION, UNIT NO. 1, TWO AMMONIA/AIR INJECTION GRIDS, EACH HAVING 1104 INJECTION NOZZLES	C74				
STACK, BOILER NO. 1 A/N: 410730	S96	D1			
BOILER, UNIT NO. 2, FUEL OIL, NATURAL GAS, COMBUSTION ENGINEERING, FRONT FIRING, AIR PREHEATED, WITH OXYGEN CONTENT CONTROL, 2240 MMBTU/HR WITH A/N: 410732  INJECTOR, MAGNESIUM COMPOUNDS, FUEL OIL ADDITIVE SYSTEM  GENERATOR, 230 MW	D4	C75 S97	NOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 12.37 LBS/1000 GAL FUEL OIL (1) [RULE 2012,5-6-2005] ; NOX: 5 PPMV (5A) [RULE 2009,5-11-2001]  PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; SO2: (9) [40CFR 72 - Acid Rain Provisions,11-24-1997] ; SOX: 500 PPMV FUEL OIL (5) [RULE 407,4-2-1982]	A195.5, B59.1, D182.1, D371.1, E202.1, E204.1, E204.2, K171.1

\* (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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : POWER GENERATION</b>					
SELECTIVE CATALYTIC REDUCTION, UNIT NO. 2, TWO BABCOCK & WILCOX REACTORS, 1760 CUBIC FEET OF TOTAL CATALYST VOLUME, WIDTH: 19 FT 3 IN; HEIGHT: 23 FT 9 IN; LENGTH: 12 FT 10 IN WITH A/N: 259534	C75	D4		NH3: 20 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002] ; NH3: 10 PPMV FUEL OIL (4) [RULE 1303(a)(1)-BACT,5-10-1996 RULE 1303(a)(1)-BACT,12-6-2002]	A99.1, C1.2, D12.2, D12.3, D28.2, D28.3, E73.1, E179.1, E179.2
AMMONIA INJECTION, UNIT NO. 2, TWO AMMONIA/AIR INJECTION GRIDS, EACH HAVING 1104 INJECTION NOZZLES	C76				
STACK, BOILER NO. 2 A/N: 410732	S97	D4			
BOILER, UNIT NO. 5, FUEL OIL, NATURAL GAS, BABCOCK AND WILCOX, OPPOSED FIRING, SUPERCRITICAL, AIR PREHEATED, WITH OXYGEN CONTENT CONTROL, 3240 MMBTU/HR WITH A/N: 410734	D7	C77 S98	NOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 12.37 LBS/1000 GAL FUEL OIL (1) [RULE 2012,5-11-2001;RULE 2012,12-5-2003]  NOX: 5 PPMV (5A) [RULE 2009,5-11-2001] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; SO2: (9) [40CFR 72 - Acid Rain Provisions,11-24-1997]	A195.5, B59.1, D182.1, D371.1, E202.1, E204.1, E204.2, K171.1

\* (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

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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
<b>Process 1 : POWER GENERATION</b>					
GENERATOR, 343 MW  INJECTOR, MAGNESIUM COMPOUNDS, FUEL OIL ADDITIVE SYSTEM				SOX: 500 PPMV FUEL OIL (5) [RULE 407,4-2-1982]	
SELECTIVE CATALYTIC REDUCTION, UNIT NO. 5, NOELL REACTOR, 3339 CUBIC FEET OF TOTAL CATALYST VOLUME, WIDTH: 39 FT; HEIGHT: 30 FT; LENGTH: 53 FT 4 IN WITH A/N: 274319	C77	D7		NH3: 20 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002] ; NH3: 20 PPMV FUEL OIL (4) [RULE 1303(a)(1)-BACT,5-10-1996  RULE 1303(a)(1)-BACT,12-6-2002]	D12.2, D12.3, D28.2, D28.3, E73.1, E179.1, E179.2
AMMONIA INJECTION, UNIT NO. 5, AMMONIA/AIR INJECTION GRID, HAVING 480 INJECTION NOZZLES	C78				
STACK, BOILER NO. 5 A/N: 410734	S98	D7			

- \* (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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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
<b>Process 1 : POWER GENERATION</b>					
BOILER, UNIT NO. 6, FUEL OIL, NATURAL GAS, BABCOCK AND WILCOX, OPPOSED FIRING, SUPERCRITICAL, AIR PREHEATED, STEAM PIPE ID: 6.17", OD: 10.75", WITH OXYGEN CONTENT CONTROL, 2510 MMBTU/HR WITH A/N: 471457  GENERATOR, RATED 261 MW, LIMITED TO 243 MW BY CEC  INJECTOR, MAGNESIUM COMPOUNDS, FUEL OIL ADDITIVE SYSTEM	D9	C79 S99	NOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 12.37 LBS/1000 GAL FUEL OIL (1) [RULE 2012,5-6-2005] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]  SO2: (9) [40CFR 72 - Acid Rain Provisions,11-24-1997] ; SOX: 500 PPMV FUEL OIL (5) [RULE 407,4-2-1982]	B59.1, D182.1, D371.1, E193.5, E202.1, E204.1, E204.2, K171.1
STACK, BOILER NO. 6 A/N: 471457	S99	D9			
<b>System 2 : TURBINES</b>					
GAS TURBINE, UNIT NO. 9, DIESEL FUEL, NATURAL GAS, GENERAL ELECTRIC, MODEL PG7241FA, COMBINED CYCLE, WATER INJECTION (DIESEL FIRING ONLY), WITH LOW NOX BURNER, 1757 MMBTU/HR WITH A/N: 462975	D125	C130	NOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; CO: 4 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]	A63.3, A99.2, A99.3, A195.1, A195.2, A195.3, A327.1, A433.1, B75.1, D29.4, D29.5, D82.1, D82.2,

\* (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 (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

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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
<b>Process 1 : POWER GENERATION</b>					
				NOX: 2 PPMV NATURAL GAS (4) [RULE 2005,5-6-2005] ; NOX: 121 PPMV DIESEL (8) [40CFR 60 Subpart GG,3-6-1981] ; NOX: 111 PPMV NATURAL GAS (8) [40CFR 60 Subpart GG,3-6-1981]  NOX: 22.16 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005] ; PM: 0.01 GRAINS/SCF (5A) [RULE 475,10-8-1976;RULE 475,8-7-1978]  PM: 11 LBS/HR (5B) [RULE 475,10-8-1976;RULE 475,8-7-1978] ; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]  SO2: (9) [40CFR 72 - Acid Rain Provisions,11-24-1997] ; SOX: 500 PPMV FUEL OIL (5) [RULE 407,4-2-1982] ; SOX: 150 PPMV (8) [40CFR 60 Subpart GG,3-6-1981]  VOC: 2 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]	D372.1, E57.1, E193.1, I296.1, K40.3, K67.4

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 (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  
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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
<b>Process 1 : POWER GENERATION</b>					
GENERATOR, (MAX GROSS OUTPUT AT 65 DEG. F), 169.9 MW  GENERATOR, HEAT RECOVERY STEAM  STEAM TURBINE, STEAM, UNIT NO. 8, COMMON TO GAS TURBINES NO. 9 AND NO. 10, 257 MW (AT 65 DEG. F)					
BURNER, DUCT, NATURAL GAS, LOCATED IN THE HRSG OF TURBINE NO. 9, 286.6 MMBTU/HR A/N: 462975	D129	C130	NOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; CO: 4 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]  NOX: 0.2 LBS/MMBTU NATURAL GAS (8) [40CFR 60 Subpart Da,10-4-1991] ; NOX: 2 PPMV NATURAL GAS (4) [RULE 2005,5-6-2005]  PM: 0.03 LBS/MMBTU NATURAL GAS (8) [40CFR 60 Subpart Da,10-4-1991] ; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	A63.3, A99.2, A99.3, A195.1, A195.2, A195.3, A327.1, A433.1, B75.1, D29.4, D29.5, D82.1, D82.2,  D372.1, E57.1, E193.1, I296.1, K40.3, K67.4

\* (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  
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 (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.



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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
<b>Process 1 : POWER GENERATION</b>					
				PM: 0.01 GRAINS/SCF (5A) [RULE 475,10-8-1976;RULE 475,8-7-1978] ; 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: 0.2 LBS/MMBTU NATURAL GAS (8) [40CFR 60 Subpart Da,10-4-1991]  VOC: 2 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]	
STACK, SERVING UNIT NO. 9, HEIGHT: 140 FT; DIAMETER: 19 FT A/N: 462975	S133	C131			
CO OXIDATION CATALYST, SERVING UNIT NO. 9, HITACHI, MITSUBISHI, PEERLESS OR EQUAL, HEIGHT:61 FT; LENGTH:26 FT; WIDTH:4 FT; WITH 6344 CUBIC FEET OF CATALYST VOLUME A/N: 432467	C130	D125 D129 C131			

\* (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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : POWER GENERATION</b>					
SELECTIVE CATALYTIC REDUCTION, SERVING UNIT NO. 9, HITACHI, MITSUBISHI, PEERLESS OR EQUAL, HEIGHT: 61 FT; LENGTH:26 FT; WIDTH: 5 FT, WITH 7930 CU FEET OF CATALYST VOLUME WITH A/N: 432467  AMMONIA INJECTION, INJECTION GRID	C131	C130 S133		NH3: 5 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]	A195.4, D12.6, D12.7, D12.8, D29.2, E73.2, E179.3, E179.4
GAS TURBINE, UNIT NO. 10, DIESEL FUEL, NATURAL GAS, GENERAL ELECTRIC, MODEL PG7241FA, COMBINED CYCLE, WATER INJECTION (DIESEL FIRING ONLY), WITH LOW NOX BURNER, 1757 MMBTU/HR WITH A/N: 462976	D134	C138	NOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; CO: 4 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]  NOX: 2 PPMV NATURAL GAS (4) [RULE 2005,5-6-2005] ; NOX: 121 PPMV DIESEL (8) [40CFR 60 Subpart GG,3-6-1981] ; NOX: 111 PPMV NATURAL GAS (8) [40CFR 60 Subpart GG,3-6-1981]  NOX: 22.16 LBS/1000 GAL DIESEL (1) [RULE 2012,5-6-2005] ; PM: 0.01 GRAINS/SCF (5A) [RULE 475,10-8-1976;RULE 475,8-7-1978]	A63.2, A99.2, A99.3, A195.1, A195.2, A195.3, A327.1, A433.1, B75.1, D29.4, D29.5, D82.1, D82.2,  D372.1, E57.1, E193.1, I296.1, K40.3, K67.4

\* (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.)  
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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
<b>Process 1 : POWER GENERATION</b>					
<p>GENERATOR, (MAX GROSS OUTPUT AT 65 DEG. F), 169.9 MW</p> <p>GENERATOR, HEAT RECOVERY STEAM</p> <p>STEAM TURBINE, STEAM, UNIT NO. 8, COMMON TO GAS TURBINES NO. 9 AND NO. 10, 257 MW (AT 65 DEG. F)</p>				<p>PM: 11 LBS/HR (5B) [RULE 475,10-8-1976;RULE 475,8-7-1978] ; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]</p> <p>SO2: (9) [40CFR 72 - Acid Rain Provisions,11-24-1997] ; SOX: 500 PPMV FUEL OIL (5) [RULE 407,4-2-1982] ; SOX: 150 PPMV (8) [40CFR 60 Subpart GG,3-6-1981]</p> <p>VOC: 2 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]</p>	

\* (1)(1A)(1B) Denotes RECLAIM emission factor (2)(2A)(2B) Denotes RECLAIM emission rate  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : POWER GENERATION</b>					
BURNER, DUCT, NATURAL GAS, LOCATED IN THE HRSG OF TURBINE NO. 10, 286.6 MMBTU/HR A/N: 462976	D142	C138	NOX: MAJOR SOURCE**	<p>CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; CO: 4 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]</p> <p>NOX: 0.2 LBS/MMBTU NATURAL GAS (8) [40CFR 60 Subpart Da,10-4-1991] ; NOX: 2 PPMV NATURAL GAS (4) [RULE 2005,5-6-2005]</p> <p>PM: 0.03 LBS/MMBTU NATURAL GAS (8) [40CFR 60 Subpart Da,10-4-1991] ; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]</p> <p>PM: 0.01 GRAINS/SCF (5A) [RULE 475,10-8-1976;RULE 475,8-7-1978] ; PM: 11 LBS/HR (5B) [RULE 475,10-8-1976;RULE 475,8-7-1978]</p> <p>SO2: (9) [40CFR 72 - Acid Rain Provisions,11-24-1997] ; SOX: 0.2 LBS/MMBTU NATURAL GAS (8) [40CFR 60 Subpart Da,10-4-1991]</p>	A63.2, A99.2, A99.3, A195.1, A195.2, A195.3, A327.1, A433.1, B75.1, D29.4, D29.5, D82.1, D82.2, D372.1, E57.1, E193.1, I296.1, K40.3, K67.4

\* (1)(1A)(1B) Denotes RECLAIM emission factor (2)(2A)(2B) Denotes RECLAIM emission rate  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : POWER GENERATION</b>					
				VOC: 2 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]	
STACK, SERVING UNIT NO. 10, HEIGHT: 140 FT; DIAMETER: 19 FT A/N: 462976	S141	C139			
CO OXIDATION CATALYST, SERVING UNIT NO. 10, HITACHI, MITSUBISHI, PEERLESS OR EQUAL, HEIGHT:61 FT; LENGTH:26 FT; WIDTH:4 FT; WITH 6344 CUBIC FEET OF CATALYST VOLUME A/N: 432466	C138	D134 C139 D142			
SELECTIVE CATALYTIC REDUCTION, SERVING UNIT NO. 10, HEIGHT: 61 FT; LENGTH:26 FT; WIDTH: 5 FT, WITH 7930 CU FEET OF CATALYST VOLUME WITH AMMONIA INJECTION, INJECTION GRID A/N: 432466	C139	C138 S141		NH3: 5 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]	A195.4, D12.6, D12.7, D12.8, D29.2, E73.2, E179.3, E179.4
<b>Process 2 : INORGANIC CHEMICAL STORAGE</b>					
STORAGE TANK, NO. 1, AQUEOUS AMMONIA, CARBON STEEL, 38233 GALS; DIAMETER: 14 FT; HEIGHT: 38 FT 6 IN A/N: 272086	D34	C40 C41			C157.1, E144.1

\* (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  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2 : INORGANIC CHEMICAL STORAGE</b>					
STORAGE TANK, NO. 2, AQUEOUS AMMONIA, CARBON STEEL, 38233 GALS; DIAMETER: 14 FT; HEIGHT: 38 FT 6 IN A/N: 272087	D35	C40 C41			C157.1, E144.1
STORAGE TANK, NO. 3, AQUEOUS AMMONIA, 38233 GALS; DIAMETER: 14 FT; HEIGHT: 38 FT 6 IN A/N: 272088	D36	C40 C41			C157.1, E144.1
STORAGE TANK, NO. 4, AQUEOUS AMMONIA, 38233 GALS; DIAMETER: 14 FT; HEIGHT: 38 FT 6 IN A/N: 272089	D37	C40 C41			C157.1, E144.1
STORAGE TANK, NO. 5, AQUEOUS AMMONIA, 38233 GALS; DIAMETER: 14 FT; HEIGHT: 38 FT 6 IN A/N: 272090	D38	C40 C41			C157.1, E144.1
STORAGE TANK, NO. 6, AQUEOUS AMMONIA, 38233 GALS; DIAMETER: 14 FT; HEIGHT: 38 FT 6 IN A/N: 272091	D39	C40 C41			C157.1, E144.1
SCRUBBER, PACKED BED, NO. 1, VERTICAL PACKED TYPE, POLYPROPYLENE PACKING, HEIGHT: 9 FT 3 IN; DIAMETER: 8 IN A/N: 272090	C40	D34 D35 D36 D37 D38 D39			C8.1, D12.1, K67.2
SCRUBBER, PACKED BED, NO. 2, VERTICAL PACKED TYPE, POLYPROPYLENE PACKING, HEIGHT: 9 FT 3 IN; DIAMETER: 8 IN A/N: 272090	C41	D34 D35 D36 D37 D38 D39			C8.1, D12.1, K67.2

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(2)(2A)(2B) Denotes RECLAIM emission rate  
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(5)(5A)(5B) Denotes command and control emission limit  
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(8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2 : INORGANIC CHEMICAL STORAGE</b>					
STORAGE TANK, UNIT NO. 1, MAGNESIUM COMPOUNDS, FUEL OIL ADDITIVE, 350 GALS A/N: 410730	D21				
STORAGE TANK, UNIT NO. 2, MAGNESIUM COMPOUNDS, FUEL OIL ADDITIVE, 350 GALS A/N: 410732	D22				
STORAGE TANK, UNIT NO. 5, MAGNESIUM COMPOUNDS, FUEL OIL ADDITIVE, 350 GALS A/N: 410734	D25				
STORAGE TANK, UNIT NO. 6, MAGNESIUM COMPOUNDS, FUEL OIL ADDITIVE, 350 GALS A/N: 471457	D26				
<b>Process 3 : PETROLEUM STORAGE</b>					
STORAGE TANK, EXTERNAL FLOATING ROOF, STEAM HEATED, NO. 500,003, FUEL OIL, SINGLE SEAL, 500000 BBL; DIAMETER: 255 FT; HEIGHT: 56 FT WITH A/N: G02233  FLOATING ROOF  PRIMARY SEAL, METALLIC SHOE	D44				B22.2, H23.1

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<b>Process 3 : PETROLEUM STORAGE</b>					
STORAGE TANK, FIXED ROOF, STEAM HEATED, NO. 172,003-A, FUEL OIL, 172000 BBL; DIAMETER: 160 FT; HEIGHT: 48 FT A/N: C25861	D46				H23.1
STORAGE TANK, FIXED ROOF, STEAM HEATED, NO. 172,001-B, FUEL OIL, 172000 BBL; DIAMETER: 160 FT; HEIGHT: 48 FT A/N: C25859	D47				H23.1
STORAGE TANK, FIXED ROOF, STEAM HEATED, NO. 172,002-C, FUEL OIL, 172000 BBL; DIAMETER: 160 FT; HEIGHT: 48 FT A/N: C25860	D48				H23.1
STORAGE TANK, FIXED ROOF, STEAM HEATED, NO. 200,001-D, FUEL OIL, 200000 BBL; DIAMETER: 160 FT; HEIGHT: 56 FT A/N: C25862	D49				H23.1
STORAGE TANK, FIXED ROOF, STEAM HEATED, NO. 300,001-E, FUEL OIL, 300000 BBL; DIAMETER: 200 FT; HEIGHT: 56 FT A/N: C25863	D50				H23.1
TANK, UNIT NO. 1, TURBINE LUBE OIL RESERVOIR A/N: 122505	D11	C27		PM: (9) [RULE 404,2-7-1986]	
TANK, UNIT NO. 1, TURBINE GOVERNOR OIL RESERVOIR A/N: 122505	D12	C27		PM: (9) [RULE 404,2-7-1986]	

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(5)(5A)(5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 3 : PETROLEUM STORAGE</b>					
ELECTROSTATIC PRECIPITATOR, NO. 1, SMOG HOG, MODEL SH-10-PE, TWO STAGE, PENNY TYPE, 60 KW A/N: 122505	C27	D11 D12			D323.1
TANK, UNIT NO. 2, TURBINE LUBE OIL RESERVOIR A/N: 122506	D13	C28		PM: (9) [RULE 404,2-7-1986]	
TANK, UNIT NO. 2, TURBINE GOVERNOR OIL RESERVOIR A/N: 122506	D14	C28		PM: (9) [RULE 404,2-7-1986]	
ELECTROSTATIC PRECIPITATOR, NO. 2, SMOG HOG, MODEL SH-10-PE, TWO STAGE, PENNY TYPE, 60 KW A/N: 122506	C28	D13 D14			D323.1
TANK, UNIT NO. 3, TURBINE LUBE OIL RESERVOIR A/N: 122507	D15	C29		PM: (9) [RULE 404,2-7-1986]	
TANK, UNIT NO. 3, TURBINE GOVERNOR OIL RESERVOIR A/N: 122507	D16	C29		PM: (9) [RULE 404,2-7-1986]	
ELECTROSTATIC PRECIPITATOR, NO. 3, SMOG HOG, MODEL SH-10-PE, TWO STAGE, PENNEY TYPE, 60 KW A/N: 122507	C29	D15 D16			D323.1
TANK, UNIT NO. 4, TURBINE LUBE OIL RESERVOIR A/N: 122508	D17	C30		PM: (9) [RULE 404,2-7-1986]	
TANK, UNIT NO. 4, TURBINE GOVERNOR OIL RESERVOIR A/N: 122508	D18	C30		PM: (9) [RULE 404,2-7-1986]	

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(5)(5A)(5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 3 : PETROLEUM STORAGE</b>					
ELECTROSTATIC PRECIPITATOR, NO. 4, SMOG HOG, MODEL SH-10-PE, TWO STAGE, PENNEY TYPE, 60 KW A/N: 122508	C30	D17 D18			D323.1
TANK, UNIT NO. 5, TURBINE LUBE OIL RESERVOIR A/N: 122509	D19	C31		PM: (9) [RULE 404,2-7-1986]	
ELECTROSTATIC PRECIPITATOR, NO. 5, SMOG HOG, MODEL SH-10-PE, TWO STAGE, PENNEY TYPE, 60 HP A/N: 122509	C31	D19			D323.1
TANK, UNIT NO. 6, TURBINE LUBE OIL RESERVOIR A/N: 122510	D100	C32		PM: (9) [RULE 404,2-7-1986]	
ELECTROSTATIC PRECIPITATOR, NO. 6, SMOG HOG, MODEL SH-10-PE, TWO STAGE, PENNEY TYPE, 60 KW A/N: 122510	C32	D100			D323.1
<b>Process 4 : EMERGENCY POWER</b>					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, ALCO, MODEL 251, 16 CYLINDERS, WITH AFTERCOOLER, TURBOCHARGER, 2500 HP WITH A/N: GENERATOR, 2000 KW	D53		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012,5-11-2001;RULE 2012,12-5-2003] ; PM: (9) [RULE 404,2-7-1986]	B59.3, C1.3, C177.1, D12.5, E116.1, K67.5

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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
<b>Process 5 : ABRASIVE BLASTING</b>					
ABRASIVE BLASTING, OPEN, KELCO, MODEL 124, 600 LBS CAPACITY, TWO NOZZLES, DIAMETER: 0.313 IN A/N: 123171	D56			PM: (9) [RULE 1140,2-1-1980;RULE 1140,8-2-1985;RULE 405,2-7-1986]	D323.2
<b>Process 6 : BULK TERMINALS</b>					
SUMP, RAINWATER, UNDERGROUND, 420 BBL; WIDTH: 17 FT 6 IN; DEPTH: 7 FT 9 IN; LENGTH: 17 FT 6 IN A/N:	D69				
<b>Process 7 : R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES</b>					
RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, GLOVE-BOX, <= 53 FT3, WITH DUST FILTER	E112			PM: (9) [RULE 1140,2-1-1980;RULE 1140,8-2-1985;RULE 404,2-7-1986;RULE 405,2-7-1986]	D322.1, D381.1, K67.1
RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS	E113				H23.5
RULE 219 EXEMPT EQUIPMENT, REFRIGERATION UNITS	E114				H23.6
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E124			ROG: (9) [RULE 1113,11-8-1996;RULE 1113,7-13-2007;RULE 1171,11-7-2003;RULE 1171,2-1-2008]	K67.3

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(3) Denotes RECLAIM concentration limit  
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(5)(5A)(5B) Denotes command and control emission limit  
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LA CITY, DWP HAYNES GENERATING STATION**

**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**

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**AQMD**  
AIR QUALITY MANAGEMENT DISTRICT

**FACILITY PERMIT TO OPERATE  
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**SECTION D: DEVICE ID INDEX**

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**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 fuel oil containing sulfur compounds in excess of 0.05 percent by weight.

The .05 percent sulfur limit shall not apply to existing supplies of any liquid fuel in storage as of October 1, 1993 until such supply is exhausted.

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

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

This condition shall become effective on or after June 1, 2004.

[RULE 431.2, 9-15-2000]

F16.1 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

[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]



**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:

F18.1 Acid Rain SO2 Allowance Allocation for affected units are as follows:

Device ID	Boiler ID	Contaminant	Tons in any year
1	Boiler No. 1	SO2	677
4	Boiler No. 2	SO2	335
71	Boiler No. 3	SO2	1234
5	Boiler No. 4	SO2	994
7	Boiler No. 5	SO2	1391
9	Boiler No. 6	SO2	1516

- a). The allowance allocation(s) shall apply to calendar years 2000 through 2009.
- b). The number of allowances allocated to *Phase II affected units* by U.S. EPA may change in a 1998 revision to 40CFR73 Tables 2,3, and 4. In addition, the number of allowances actually held by an affected source in a unit account may differ from the number allocated by U.S. EPA. Neither of the aforementioned conditions necessitate a revision to the unit SO2 allowance allocations identified in this permit (see 40 CFR 72.84)

[40CFR 73 Subpart B, 1-11-1993]

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**

**A. Emission Limits**



**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:

A63.2 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 18842 LBS IN ANY ONE MONTH
PM10	Less than or equal to 10784 LBS IN ANY ONE MONTH
VOC	Less than or equal to 4409 LBS IN ANY ONE MONTH
SOX	Less than or equal to 327 LBS IN ANY ONE MONTH

The operator shall calculate the emission limit(s) by using calendar monthly fuel use data and the following emission factors: Natural Gas: PM10 = 7.50 lbs/MMscf, VOC = 2.58 lbs/MMscf, and SOx = 0.21 lbs/MMscf. Diesel Fuel: PM10 = 1.67 lbs/Mgal, VOC = 0.52 lbs/Mgal, and SOx = 0.21 lbs/Mgal.

The operator shall calculate the emission limit(s) , after the CO CEMS certification, based on the readings from the certified CO CEMS. In the event the CO CEMS is not operating, has been certification tested but is not certified, or the emissions exceed the valid upper range of the analyzer, the emissions shall be calculated in accordance with the approved CEMS plan. During diesel readiness testing, the CO shall be calculated using the fuel use data and a 24.2 lbs/Mgal emission factor

The operator shall calculate the emission limit(s) for CO in the absence of valid CEMS data, by using the monthly fuel use data and the following factor: Natural Gas: 9.03 lbs/MMscf

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from combined cycle gas turbine No. 10 and it's associated duct burner during any calendar month. The duct burner shall not be operated when the turbine is firing diesel fuel.

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

[Devices subject to this condition : D134, D142]



**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:

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

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 18842 LBS IN ANY ONE MONTH
PM10	Less than or equal to 10784 LBS IN ANY ONE MONTH
VOC	Less than or equal to 4409 LBS IN ANY ONE MONTH
SOX	Less than or equal to 327 LBS IN ANY ONE MONTH

The operator shall calculate the emission limit(s) by using calendar monthly fuel use data and the following emission factors: Natural Gas: PM10 = 7.50 lbs/MMscf, VOC = 2.58 lbs/MMscf, and SOx = 0.21 lbs/MMscf. Diesel Fuel: PM10 = 1.67 lbs/Mgal, VOC = 0.52 lbs/Mgal, and SOx = 0.21 lbs/Mgal.

The operator shall calculate the emission limit(s) , after the CO CEMS certification, based on the readings from the certified CO CEMS. In the event the CO CEMS is not operating, has been certification tested but is not certified, or the emissions exceed the valid upper range of the analyzer, the emissions shall be calculated in accordance with the approved CEMS plan. During diesel readiness testing, the CO shall be calculated using the fuel use data and a 24.2 lbs/Mgal emission factor

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from combined cycle gas turbine No. 9 and it's associated duct burner during any calendar month. The duct burner shall not be operated when the turbine is firing diesel fuel.

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

[Devices subject to this condition : D125, D129]

A99.1 The 10 PPM NH3 emission limit(s) shall not apply when ammonia injection has not commenced. (NH3 emissions).

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

[Devices subject to this condition : C73, C75]



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- A99.2 The 2 PPM NOX emission limit(s) shall not apply during turbine startups, diesel readiness testing, or shutdowns. Shutdowns shall not exceed 30 minutes/event. Written records of startups and shutdowns shall be maintained and made available to the AQMD upon request.

For the purposes of this condition, cold start up shall be defined as a start up which occurs after the steam turbine has been shutdown for 72 hours or more. A non-cold start up shall be defined as a start up which occurs after the steam turbine has been shutdown for less than 72 hours. The beginning of start up occurs at initial fire in the combustor and the end of start up occurs when the BACT levels are achieved. No more than one turbine shall be in cold start-up mode at any one time. The turbines shall not be started on diesel fuel.

For the purposes of this condition, steam turbine shutdown period shall be defined as the number of hours between the closing and reopening of the steam stop valve. The operator shall keep records of the date and time of the steam stop valve opening and closing, and make these records available to AQMD personnel upon request.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D125, D129, D134, D142]

- A99.3 The 4 PPM CO emission limit(s) shall not apply during turbine startups, diesel readiness testing, or shutdowns. Shutdowns shall not exceed 30 minutes/event. Written records of startups and shutdowns shall be maintained and made available to the AQMD upon request.

For the purposes of this condition, cold start up shall be defined as a start up which occurs after the steam turbine has been shutdown for 72 hours or more. A non-cold start up shall be defined as a start up which occurs after the steam turbine has been shutdown for less than 72 hours. The beginning of start up occurs at initial fire in the combustor and the end of start up occurs when the BACT levels are achieved. No more than one turbine shall be in cold start-up mode at any one time. The turbines shall not be started on diesel fuel.

For the purposes of this condition, steam turbine shutdown period shall be defined as the number of hours between the closing and reopening of the steam stop valve. The operator shall keep records of the date and time of the steam stop valve opening and closing, and make these records available to AQMD personnel upon request.

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

[Devices subject to this condition : D125, D129, D134, D142]



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

A195.1 The 2 PPMV NOX emission limit(s) is averaged over 60 minutes at 15 percent oxygen, dry.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D125, D129, D134, D142]

A195.2 The 4 PPMV CO emission limit(s) is averaged over 60 minutes, at 15 percent oxygen, dry.

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

[Devices subject to this condition : D125, D129, D134, D142]

A195.3 The 2 PPMV VOC emission limit(s) is averaged over 60 minutes, at 15 percent oxygen, dry. The limit does not apply during diesel readiness tests.

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

[Devices subject to this condition : D125, D129, D134, D142]

A195.4 The 5 PPMV NH3 emission limit(s) is averaged over 60 minutes at 15 percent O2 dry. The operator shall calculate and continuously record the NH3 slip concentration using the following:  $NH_3(ppmv) = [a - b * c / 1E6] * 1E6 / b$ , where a = NH3 injection rate (lb/hr)/17 (lb/lb/mole), b = dry exhaust gas flow rate (lb/hr)/29(lb/lb/mole), and c = change in measured NOx across the SCR (ppmvd at 15 percent O2). The operator shall install and maintain a NOx analyzer to measure the SCR inlet NOx ppm accurate to within +/- 5 percent calibrated at least once every 12 months.

The operator shall use the method described above or another alternative method approved by the Executive Officer.

The ammonia slip calculation procedures described above shall not be used for compliance determination or emission information determination without corroborative data using an approved reference method for the determination of ammonia.

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

[Devices subject to this condition : C131, C139]



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

A195.5 The 5 PPMV NOX emission limit(s) is averaged over 720 operating hours (heat input weighted average).

A data acquisition system shall be installed and maintained to continuously calculate and record the NOx ppm based on the 720 operating hour average.

The average shall be calculated based on emissions during all boiler operating hours except during:

startups defined as whenever the unit is being brought up to normal operating temperature from an inactive status and the exhaust temperature entering the SCR catalyst is less than 530 degrees F;

shutdowns defined as whenever the unit is allowed to cool from a normal operating temperature to inactive status and the exhaust temperature entering the SCR catalyst is less than 530 degrees F;

calibration and maintenance periods, Part 75 linearity testing, RATA testing, equipment breakdown periods as defined in Rule 2004, and periods of zero fuel flow.

The heat input weighted average NOx concentration shall be calculated using the following equation, or other equivalent equation.

$PPMV(3\%O_2) = (Et/Qt)*K$ ; where  $PPMV(3\%O_2)$  = the concentration of NOx in PPMV at 3%O<sub>2</sub>; K = a conversion factor from lbs/MMBtu to PPM, which can be determined using EPA 40 CFR60 Method 19. The default K value is 819; Et = Total reported NOx emissions during the averaging period including emissions reported as a result of missing data procedures pursuant to Rule 2012; Qt = Total heat input during the averaging period.

[RULE 2009, 5-11-2001]

[Devices subject to this condition : D1, D4, D7]

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 : D125, D129, D134, D142]



**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:

A433.1 The operator shall comply at all times with the 2.0 ppm 1 hour BACT limit for NOx, except as specified in Conditions A99.2, and for the following operating scenarios::

Operating Scenario	Maximum Hourly Emission Limit	Operational Limit
Cold Start	225 lbs/hr	NOx emissions not to exceed 600 lbs total per cold start. Cold start not to exceed 360 minutes total, 4 starts per month, and 48 starts per year per turbine
Non-Cold Start	170 lbs/hr	NOx emissions not to exceed 300 lbs total per non cold start. Non cold start not to exceed 180 minutes total, 27 starts per month, and 324 starts per year per turbine

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D125, D129, D134, D142]

**B. Material/Fuel Type Limits**

B22.2 The operator shall not use this equipment with materials having a(n) true vapor pressure of 1.5 psia or greater under actual operating conditions.

[RULE 463, 3-11-1994]

[Devices subject to this condition : D44]



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

B59.1 The operator shall only use the following material(s) in this device :

Air preheater elements that are made of corrosion resistant stainless steel, type 409 or equivalent

A gunite lining in the flue gas duct surfaces between the air preheaters and exhaust stack, except for the turning vanes, expansion joints, and related parts

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

[Devices subject to this condition : D1, D4, D7, D9]

B59.3 The operator shall only use the following material(s) in this device :

Diesel which meets the specifications of Rule 431.2

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

[Devices subject to this condition : D53]



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

B75.1 The operator shall not use fuel oil in this equipment except under the following circumstance(s):

Interruption in natural gas service due to unforeseeable failure, malfunction, or natural disaster, not resulting from an intentional or negligent act or omission on the part of the owner or operator

For diesel fuel readiness testing not to exceed 60 minutes per turbine per month.

Fuel oil shall be low nitrogen, low sulfur diesel. Sulfur content shall not exceed 15 ppm by weight, or other more stringent limit specified in Rule 431.2. The operator shall keep records of the date diesel was used, the amount of diesel used, and the reason for use. These records shall be kept for a minimum of 5 years and be made available for AQMD inspection upon request.

Vendor specification for the initial and each subsequent shipment of diesel shall be maintained to verify sulfur and nitrogen content. If the vendor information is not available, the operator shall have a sample of each shipment of fuel analyzed by an independent lab for sulfur and nitrogen concentration. These records shall be kept for a minimum of 5 years and be made available for AQMD inspection upon request.

For the above circumstances, diesel fuel shall not be used in this equipment unless water injection is fully employed.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2005, 4-9-1999; RULE 2005, 4-20-2001]

[Devices subject to this condition : D125, D129, D134, D142]

### C. Throughput or Operating Parameter Limits

C1.2 The operator shall limit the throughput to no more than 561 lb(s)/hr.

For the purpose of this condition, throughput shall be defined as the ammonia injection rate which is monitored by condition number 12-3.

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

[Devices subject to this condition : C73, C75]



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

C1.3 The operator shall limit the operating time to no more than 199 hour(s) in any one year.

The 199 hours per year shall include no more than 50 hours in any one year for maintenance and testing purposes.

The operation of the engine beyond the 50 hr/yr 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 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 outage..

Engine operation shall be terminated immediately after the utility distribution company advises that a rotating outage is no longer imminent or in effect..

[RULE 1110.2, 2-1-2008; RULE 1470, 6-1-2007; **RULE 2012, 5-6-2005**]

[Devices subject to this condition : D53]

C8.1 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 2.5 gpm.

To comply with this condition, the operator shall monitor the flow rate as specified in condition number 12-1.

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

[Devices subject to this condition : C40, C41]

C157.1 The operator shall install and maintain a pressure relief valve set at 15 psig.

[RULE 402, 5-7-1976]

[Devices subject to this condition : D34, D35, D36, D37, D38, D39]

C177.1 The operator shall set and maintain the fuel injection timing of the engine at 4 degrees retarded relative to standard timing.

[RULE 2009, 5-11-2001]

[Devices subject to this condition : D53]



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

#### D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the incoming scrubbing (city) water.

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

[Devices subject to this condition : C40, C41]

D12.2 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature at the inlet of each selective catalytic reduction reactor.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2012, 5-11-2001; RULE 2012, 12-5-2003]

[Devices subject to this condition : C73, C75, C77]

D12.3 The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the ammonia injection rate of the ammonia injection system.

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

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

[Devices subject to this condition : C73, C75, C77]

D12.5 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, 2-1-2008; RULE 2012, 5-6-2005]

[Devices subject to this condition : D53]



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**SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

D12.6 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in 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 1303(a)(1)-BACT, 12-6-2002; RULE 2012, 5-11-2001; RULE 2012, 12-5-2003]**

[Devices subject to this condition : C131, C139]

D12.7 The operator shall install and maintain a(n) pressure gauge to accurately indicate the differential 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 2012, 5-11-2001; RULE 2012, 12-5-2003]**

[Devices subject to this condition : C131, C139]

D12.8 The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the ammonia injection rate of the ammonia injection system.

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]**

[Devices subject to this condition : C131, C139]



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D28.2 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to determine the PM emissions using District method 5.1 measured over a 60 minute averaging time period.

The test shall be conducted to determine the NH<sub>3</sub> emissions using District method 207.1 measured over a 60 minute averaging time period.

The test shall be conducted to determine the NH<sub>3</sub> emissions using either District method 5.3 or EPA method 17 measured over a 60 minute averaging time period.

Source test shall be conducted when this equipment is using fuel oil.

Source test shall be conducted when this equipment is operating at loads of 100 percent, 75 percent, 50 percent, and the minimum load at which ammonia injection commences in the SCR reactor.

The District shall be notified of the date and time of the test at least 14 days prior to the test.

The test shall be conducted using a certified continuous emissions monitoring system to measure the emissions of NO<sub>x</sub> and CO.

The test shall be conducted by a testing laboratory certified by the California Air Resources Board in the required test methods for each criteria pollutant to be measured, and in compliance with District Rule 304 (no conflict of interest).

The test shall be conducted during the next fuel oil readiness testing.

**[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 2012, 5-11-2001; RULE 2012, 12-5-2003]**

[Devices subject to this condition : C73, C75, C77]



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D28.3 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted quarterly during the first 12 months after the initial source test, and once a year thereafter.

The District shall be notified of the date and time of the test at least 7 days prior to the test.

Source test shall be conducted when this equipment is using natural gas.

The test shall be conducted by a testing laboratory certified by the California Air Resources Board in the required test methods, and in compliance with District Rule 304 (no conflict of interest).

The test shall be conducted to determine the NH<sub>3</sub> emissions using District method 207.1 measured over a 60 minute averaging time period.

The test shall be conducted to determine the NH<sub>3</sub> emissions using either District method 5.3 or EPA method 17 measured over a 60 minute averaging time period.

The test shall be conducted when the equipment is operating at 80 percent load or greater.

The test shall be conducted and the results submitted to the District within 45 days after the test date.

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

[Devices subject to this condition : C73, C75, C77]



**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:

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
NH3 emissions	District method 207.1 and 5.3 or EPA method 17	1 hour	Outlet of the SCR serving this equipment

The test(s) shall be conducted at least once each calendar quarter during the first 12 months of operation and at least annually thereafter. The NOx concentration, as determined by the CEMS, shall be simultaneously recorded during the ammonia slip test. If the CEMS is inoperable, a test shall be conducted to determine the NOx emissions using District Method 100.1 measured over a 60 minute averaging time period.

The test shall be conducted to demonstrate compliance with the Rule 1303 concentration limit.

The test shall be conducted when the equipment is operating at 80 percent load or greater.

The test shall be conducted and the results submitted to the AQMD permitting engineer within 45 days after the test date.

The test shall be conducted during natural gas firing.

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

[Devices subject to this condition : C131, C139]



**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:

D29.4 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
SOX emissions	Approved District method	District-approved averaging time	Fuel sample
ROG emissions	Approved District method	1 hour	Outlet of the SCR serving this equipment
PM10 emissions	District method 5.2	District-approved averaging time	Outlet of the SCR serving this equipment

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

For gas turbines only the VOC test shall use the following 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 having less than 0.05 ppmv total hydrocarbons as carbon, and c) Analysis of Summa canisters is per EPA Method TO-12 (with pre-concentration) and the canisters temperature when extracting samples for analysis is not to be below 70 deg F.

The use of this alternative VOC test method is solely for the determination of compliance with the VOC BACT level of 2.0 ppmv calculated as carbon for natural gas fired turbines. 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.

The test shall be conducted and the results submitted to the AQMD within 60 days after the test date. The AQMD shall be notified of the date and time of the test at least 7 days prior to the test.

The test shall be conducted to demonstrate compliance with the Rule 1303 concentration and emissions limit.

The test shall be conducted when the turbine and duct burner are operating simultaneously at 100 percent of full rated load, when the turbine is operating alone at 100 percent of full rated load, and when the turbine is operating alone at 75 and 50 percent of full rated load for NOx, CO, ROG, and NH3 source tests.

The test shall be conducted when firing natural gas.

[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 : D125, D129, D134, D142]



**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:

D29.5 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
NOX emissions	District method 100.1	30 minutes	Outlet of the SCR serving this equipment

The test shall be conducted when the unit is firing diesel fuel in order to determine the emissions profile of the unit. A minimum of 6 tests shall be performed and the operator shall record the turbine output, ammonia injection rate, and temperature of the exhaust during each test, based on a 30 minute averaging time. Test results shall also include the fuel flow rate (CFH), the flue gas flow rate, and the duct burner fuel use during the test.

The test shall be conducted in order to generate a load curve for NOx (lbs/MW) vs. MW output over the span of tested loads. The operator may, after receiving approval from the AQMD, use this curve to report NOx emissions during the monthly 60 minute (total) diesel readiness testing periods.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D125, D129, D134, D142]



**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:

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

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 no later than 90 days after initial start up of the turbine, and in accordance with an approved AQMD Rule 218 CEMS plan application. The operator shall not install the CEMS prior to receiving initial approval from AQMD. Within two weeks of the turbine start up date, the operator shall provide written notification to the AQMD of the exact start up.

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

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 218, 8-7-1981; RULE 218, 5-14-1999]

[Devices subject to this condition : D125, D129, D134, D142]

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.

The CEMS shall be installed and operated no later than 12 months after initial start up of the turbine and shall comply with the requirements of Rule 2012. During the interim period between the initial start up and the provisional certification date of the CEMS, the operator shall comply with the monitoring requirements of Rule 2012(h)(2) and 2012(h)(3). Within two weeks prior to the turbine start up date, the operator shall provide written notification to the AQMD of the exact date of start up.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D125, D129, D134, D142]



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D182.1 The operator shall test this equipment in accordance with the following specifications:

The operator shall collect samples using a 1983 District-approved induct fallout monitor (IFM) every 24 hours beginning from all startups, except for natural gas firing, where if three 24-hour IFM samples show no abnormal collection, subsequent samples can be taken once a week.

The operator shall analyze the IFM samples for acidity, weight, increase of particle size, volume, and appearance, and use the results of the analysis to determine the necessary operational changes to minimize the fallouts, such as, but not limited to, increasing the fuel oil additives and lancing frequencies.

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

[Devices subject to this condition : D1, D4, D7, D9]

D322.1 The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : E112]



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### 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 daily basis, at least, unless the equipment did not operate during the entire daily period. The routine daily 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. SUGGESTED CHAR

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.

[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C27, C28, C29, C30, C31, C32]



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D323.2 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 semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual 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.

[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D56]



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### 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, 8-11-1995; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D1, D4, D7, D9]

D372.1 The operator shall determine compliance with the particulate matter (PM) emission limit by conducting a source test at the outlet of the exhaust stack annually using AQMD Method 5.1. Each test shall include:

(a) One test using natural gas operating at minimum load under normal operating conditions, if natural gas is burned more than 120 consecutive hours or 200 hours accumulated over any 12 consecutive months. The test shall be conducted no later than six months after the time limit has been exceeded;

(b) One test using natural gas operating at maximum load under normal operating conditions, if natural gas is burned more than 120 consecutive hours or 200 hours accumulated over any 12 consecutive months. The test shall be conducted no later than six months after the time limit has been exceeded;

(c) One test using fuel oil operating at maximum load under normal operating conditions, if fuel oil is burned more than 120 consecutive hours or 200 hours accumulated over any twelve consecutive months. The test shall be conducted no later than six months after the time limit has been exceeded.

[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D125, D129, D134, D142]



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D381.1 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 an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual 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 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.

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

[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997].

[Devices subject to this condition : E112]

### E. Equipment Operation/Construction Requirements

E57.1 The operator shall vent this equipment to the SCR and CO control whenever this equipment is in operation.

Ammonia injection shall be used at all times at an injection rate which minimizes NOx emissions whenever the exhaust temperature prior to the inlet of the SCR catalyst is 450 degrees F or greater as measured by the temperature gauge required by condition D12.6

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

[Devices subject to this condition : D125, D129, D134, D142]



**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:

E73.1 Notwithstanding the requirements of Section E conditions, the operator shall not use ammonia injection if any of the following requirement(s) are met:

1. Whenever the inlet exhaust temperature prior to the SCR reactor is less than 530 degrees Fahrenheit.
2. Within the first 150 days (or other period approved in writing by the Executive Officer) after initial start-up of the SCR system.

[RULE 2012, 5-11-2001; RULE 2012, 12-5-2003]

[Devices subject to this condition : C73, C75, C77]

E73.2 Notwithstanding the requirements of Section E conditions, the operator may, at his discretion, choose not to use ammonia injection if all of the following requirement(s) are met:

The inlet exhaust temperature to the SCR is 450 degrees F or less, not to exceed 360 minutes during a cold startup or 180 minutes during a non-cold startup.

During diesel readiness testing.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2005, 4-9-1999; RULE 2005, 4-20-2001]

[Devices subject to this condition : C131, C139]

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 1470, 6-1-2007]

[Devices subject to this condition : D53]

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 : D34, D35, D36, D37, D38, D39]



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

E179.1 For the purpose of the following condition number(s), "continuous monitoring" shall be defined as measuring at least once every 15 minutes, except as allowed by Rule 2000.

Condition Number D 12- 3

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

[Devices subject to this condition : C73, C75, C77]

E179.2 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 based upon the average of the continuous monitoring for that hour.

Condition Number D 12- 3

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2012, 5-11-2001; RULE 2012, 12-5-2003]**

[Devices subject to this condition : C73, C75, C77]

E179.3 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- 7

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2012, 5-11-2001; RULE 2012, 12-5-2003]**

[Devices subject to this condition : C131, C139]



**AQMD**

## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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- 6

Condition Number D 12- 8

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2012, 5-11-2001; RULE 2012, 12-5-2003]**

[Devices subject to this condition : C131, C139]

E193.1 The operator shall upon completion of construction, operate and maintain this equipment according to the following specifications:

In compliance with all mitigation measures as stipulated by the "Statement of Findings, Statement of Overriding Considerations, and Mitigation Monitoring Plan" and final Environmental Impact Report dated July 16, 2002 (SCH No. 20011121013), and addendum to the FEIR

[CA PRC CEQA, 11-23-1970]

[Devices subject to this condition : D125, D129, D134, D142]

E193.5 The operator shall operate and maintain this equipment according to the following requirements:

The electrical output of Unit 6 shall be limited to 243 MW.

**[RULE 1304(c)-Offset Exemption, 6-14-1996]**

[Devices subject to this condition : D9]



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

E202.1 The operator shall clean and maintain this equipment according to the following specifications:

The operator shall wash and/or vacuum and then inspect the boiler ducts, stack, and air preheaters during each shutdown in which a boiler is cooled. The operator shall reinspect and perform additional cleaning on these areas as necessary prior to startup.

The operator shall install and maintain a permanent stack washing system in the boiler stack

The operator shall wash the stack prior to start-up each time the boiler is shut down for 48 hours or more

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

[Devices subject to this condition : D1, D4, D7, D9]

E204.1 The operator shall employ the fuel oil additive system according to the following specifications:

The operator shall inject District-approved additives at a rate between 6,500 and 10,500 parts of oil per part of additive, based on volume.

The operator shall inject District-approved additives into the fuel oil whenever fuel oil is burned, as soon as fuel oil firing has stabilized.

The operator shall take corrective action as expeditiously as practicable if there is a failure to comply with either of the above requirements, so that compliance is achieved within 48 hours of such failure; the operator shall switch the unit to natural gas fuel, provided such fuel is available, if such failure is longer than 48 hours, and will remain on natural gas until such time as the failure is corrected.

The operator shall check the flow of fuel oil additive at least once a shift by recording the level of the additive in the holding tank.

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

[Devices subject to this condition : D1, D4, D7, D9]



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**SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

E204.2 The operator shall perform a boiler lancing according to the following specifications:

The operator shall cycle the boiler and air preheater lancing continuously while burning fuel oil and shall commence as soon as oil firing has stabilized; the operator shall continue the lancing cycle for the first 24 hours following a change from fuel oil to natural gas.

The operator shall cycle the air preheater lances and boiler lances once daily and once weekly, respectively, during periods of natural gas burning.

The operator shall repair and return to services individual lances as soon as practicable; the operator shall switch the unit to natural gas, provided such fuel is available, in the event that five or more lances are out of service simultaneously for more than 48 hours, and shall keep the unit on natural gas until such time as the repairs have been completed so that no more than two lances remain out of service.

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

[Devices subject to this condition : D1, D4, D7, D9]

**H. Applicable Rules**

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463

[RULE 463, 3-11-1994]

[Devices subject to this condition : D44, D46, D47, D48, D49, D50]



**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:

H23.5 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Refrigerants	District Rule	1415

[RULE 1415, 10-14-1994]

[Devices subject to this condition : E113]

H23.6 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Refrigerants	40CFR82, SUBPART	B
Refrigerants	District Rule	1411

[RULE 1411, 3-1-1991; 40CFR 82 Subpart B, 7-14-1992]

[Devices subject to this condition : E114]

**I. Administrative**



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- 1296.1 This equipment shall not be operated unless the operator demonstrates to the Executive Officer that the facility holds sufficient RTCs to offset the prorated annual emissions increase for the first compliance year 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 first compliance year of operation, the facility holds sufficient RTCs in an amount equal to the annual emissions increase.

For purposes of this condition, the amount of RTCs to be held shall be 421,038 lbs NOx total for Turbines 9 and 10 and their associated duct burners. To comply with this condition, the operator shall limit the total compliance year NOx emissions to 421,038 lbs NOx for Turbines 9 and 10 and their associated duct burners

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D125, D129, D134, D142]

### K. Record Keeping/Reporting



**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:

K40.3 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.

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.

Emission data shall be expressed in terms of mass rate (lbs/hr). In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

Source test results shall also include fuel flow and exhaust gas rate under which the test was conducted.

Source test results shall also include turbine and generator output under which the test was conducted.

Emission data shall be expressed in terms of lbs/MM cubic feet.

**[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 2005, 4-9-1999; RULE 2005, 4-20-2001]**

[Devices subject to this condition : D125, D129, D134, D142]

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

the name of the person performing the inspection and/or maintenance of the dust collector

the date, time and results of the inspection

the date, time and description of any maintenance or repairs resulting from the inspection

**[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : E112]



**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:

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

The operator shall monitor and record on a daily basis the flowrate of the incoming scrubbing (city) water when this scrubber is operated

[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C40, C41]

K67.3 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, 8-11-1995; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : E124]

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

Natural gas and Diesel fuel usage after CEMS certification.

The date, time, duration, and CEMS minute data for start-ups. These records shall be maintained and made available upon request from AQMD

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D125, D129, D134, D142]



**FACILITY PERMIT TO OPERATE  
LA CITY, DWP HAYNES GENERATING STATION**

**SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

K67.5 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 hours, and the reason for operation. Records shall be kept and maintained on file for a minimum of two years and made available to district personnel upon request.

An engine operating log listing on a monthly basis the emergency use hours of operation, maintenance and testing hours of operation, and any other hours of use with a description of the reason for operation. Additionally, 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 be 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.

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

[Devices subject to this condition : D53]

K171.1 The operator shall notify the District if any of the following situations occur:

When fuel oil is fired in this equipment

This notification shall be provided to the District no later than 48 hours after fuel oil is fired in this boiler.

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

[Devices subject to this condition : D1, D4, D7, D9]



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION E: ADMINISTRATIVE CONDITIONS

The operating conditions in this section shall apply to all permitted equipment at this facility unless superseded by condition(s) listed elsewhere in this permit.

1. The permit shall remain effective unless this permit is suspended, revoked, modified, reissued, denied, or it is expired for nonpayment of permit processing or annual operating fees. [201, 203, 209, 301]
  - a. The permit must be renewed annually by paying annual operating fees, and the permit shall expire if annual operating fees are not paid pursuant to requirements of Rule 301(d). [301(d)]
  - b. The Permit to Construct listed in Section H shall expire one year from the Permit to Construct issuance date, unless a Permit to Construct extension has been granted by the Executive Officer or unless the equipment has been constructed and the operator has notified the Executive Officer prior to the operation of the equipment, in which case the Permit to Construct serves as a temporary Permit to Operate. [202, 205]
  - c. The Title V permit shall expire as specified under Section K of the Title V permit. The permit expiration date of the Title V facility permit does not supercede the requirements of Rule 205. [205, 3004]
2. The operator shall maintain all equipment in such a manner that ensures proper operation of the equipment. [204]
3. This permit does not authorize the emissions 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 and Regulations of the AQMD. This permit cannot be considered as permission to violate existing laws, ordinances, regulations, or statutes of other governmental agencies. [204]
4. The operator shall not use equipment identified in this facility permit as being connected to air pollution control equipment unless they are so vented to the identified air pollution control equipment which is in full use and which has been included in this permit. [204]
5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation. [204]
6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to AQMD personnel upon request and be maintained for at least: [204]



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION E: ADMINISTRATIVE CONDITIONS

- a. Three years for a facility not subject to Title V; or
  - b. Five years for a facility subject to Title V.
7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by AQMD rules or permit conditions: [204]
- a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134, 204]
  - b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
  - c. For a large NO<sub>x</sub> source, compliance with a RECLAIM concentration limit shall be measured over a continuous 60 minutes for that source; [2012]
  - d. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes; [204]
  - e. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compounds which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO<sub>2</sub>) and be averaged over 15 consecutive minutes; [407]
  - f. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent of carbon dioxide (CO<sub>2</sub>) at standard conditions and averaged over 15 consecutive minutes. [409]
  - g. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O<sub>2</sub>) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]
8. All equipment operating under the RECLAIM program shall comply concurrently with all provisions of AQMD Rules and Regulations, except those listed in Table 1 of Rule 2001 for NO<sub>x</sub> RECLAIM sources and Table 2 of Rule 2001 for SO<sub>x</sub> RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NO<sub>x</sub> or SO<sub>x</sub> emissions after the date the facility has demonstrated compliance with all monitoring and reporting requirements of Rules 2011 or 2012, as applicable. Provisions of the listed AQMD rules in Tables 1 or 2 which have initial implementation dates in 1994 shall not apply to a RECLAIM NO<sub>x</sub> or SO<sub>x</sub> source, respectively. [2001]



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION E: ADMINISTRATIVE CONDITIONS

9. The operator shall, when a source test is required by AQMD, provide a source test protocol to AQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by AQMD. The test protocol shall contain the following information: [204, 304]
  - a. Brief description of the equipment tested.
  - b. Brief process description, including maximum and normal operating temperatures, pressures, through-put, etc.
  - c. Operating conditions under which the test will be performed.
  - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
  - e. Brief description of sampling and analytical methods used to measure each pollutant, temperature, flow rates, and moisture.
  - f. Description of calibration and quality assurance procedures.
  - g. Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (no conflict of interest).
  
10. The operator shall submit a report no later than 60 days after conducting a source test, unless otherwise required by AQMD Rules or equipment-specific conditions. The report shall contain the following information: [204]
  - a. The results of the source test.
  - b. Brief description of the equipment tested.
  - c. Operating conditions under which test will be performed.
  - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
  - e. Field and laboratory data forms, strip charts and analyses.
  - f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.
  
11. The operator shall, when a source test is required, provide and maintain facilities for sampling and testing. These facilities shall comply with the requirements of AQMD Source Test Method 1.1 and 1.2. [217]



**FACILITY PERMIT TO OPERATE  
LA CITY, DWP HAYNES GENERATING STATION**

**SECTION E: ADMINISTRATIVE CONDITIONS**

12. Whenever required to submit a written report, notification or other submittal to the Executive Officer, AQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, AQMD, 21865 E. Copley Drive, Diamond Bar, CA 91765-4182.  
[204]



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

The Facility shall comply with all applicable monitoring and source testing requirements in Regulation XX. These requirements may include but are not limited to the following:

#### I. NOx Monitoring Conditions

A. The Operator of a NOx Major Source, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate an AQMD certified direct or time-shared monitoring device or an approved alternative monitoring device for each major NOx source to continuously measure the concentration of NOx emissions and all other applicable variables specified in Rule 2012, Table 2012-1 and Rule 2012, Appendix A, Table 2-A to determine the NOx emissions rate from each source. The time-sharing of CEMS among NOx sources may be allowed by the Executive Officer in accordance with the requirements for time sharing specified in Appendix A. [2012]
2. Install, maintain, and operate a totalizing fuel meter approved by the Executive Officer for each major source. [2012]
3. If the facility is operating existing CEMS and fuel meters, continue to follow recording and reporting procedures required by AQMD Rules and Regulations in effect prior to October 15, 1993 until the CEMS is certified pursuant to Rule 2012. [2012]
4. Use valid data collected by an AQMD certified or provisionally certified CEMS in proper operation that meets all the requirements of Appendix A of Rule 2012, unless final certification of the CEMS is denied, to determine mass emissions for all purposes, including, but not limited to, determining: [2012]
  - a. compliance with the annual Allocation;
  - b. excess emissions;
  - c. the amount of penalties; and
  - d. fees.
5. Follow missing data procedures as specified in Rule 2012 Appendix A whenever valid data is not available or collected to determine mass emissions for all purposes, including, but not limited to, determining: [2012]
  - a. compliance with the annual Allocation;
  - b. excess emissions;
  - c. the amount of penalties; and
  - d. fees.



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

B. The Operator of a NO<sub>x</sub> Large Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

C. The Operator of a NO<sub>x</sub> Process Unit, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate a totalizing fuel meter or any device approved by the Executive Officer to measure quarterly fuel usage or other applicable variables specified in Rule 2012, Table 2012-1, and Rule 2012, Appendix A, Table 4-A. The sharing of totalizing fuel meters may be allowed by the Executive Officer if the fuel meter serves process units which have the same emission factor or emission rate. The sharing of totalizing meter shall not be allowed for process units which are required to comply with an annual heat input limit. [2012]

#### II. NO<sub>x</sub> Source Testing and Tune-up Conditions

1. The operator shall conduct all required NO<sub>x</sub> source testing in compliance with an AQMD-approved source test protocol. [2012]
2. The operator shall, as applicable, conduct source tests for every large NO<sub>x</sub> source no later than December 31, 1996 and every 3 years thereafter. The source test shall include the determination of NO<sub>x</sub> concentration and a relative accuracy audit of the exhaust stack flow determination (e.g. in-stack flow monitor or fuel flow monitor based F-factor calculation). Such source test results shall be submitted per the schedule described by APEP. In lieu of submitting the first source test report, the facility permit holder may submit the results of a source test not more than 3 years old which meets the requirements when conducted. [2012]
3. All NO<sub>x</sub> large sources and NO<sub>x</sub> process units shall be tuned-up in accordance with the schedule specified in Rule 2012, Appendix A, Chapter 5, Table 5-B. [2012]
4. Process Unit source testing



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

The Facility shall comply with all applicable reporting and recordkeeping requirements in Regulation XX. These requirements may include but are not limited to the following:

#### I. Recordkeeping Requirements for all RECLAIM Sources

1. The operator shall maintain all monitoring data required to be measured or reported pursuant to Rule 2011 and Rule 2012, whichever is applicable. All records shall be made available to AQMD staff upon request and be maintained for at least:
  - a. Three years after each APEP report is submitted to AQMD for a facility not subject to Title V, unless a different time period is required in Rule 2011 or Rule 2012 [2011 & 2012]; or
  - b. Five years after each APEP report is submitted to AQMD for a facility subject to Title V. [3004(a)(4)(E)]
  - c. Notwithstanding the above, all data gathered or computed for intervals of less than 15 minutes shall only be maintained a minimum of 48 hours. [2011 & 2012]
2. The operator shall store on site and make available to the Executive Officer upon request: records used to determine emissions, maintenance records, sources test reports, relative accuracy test audit reports, relative accuracy audit reports and fuel meter calibration records. [2011 & 2012]

#### II. Reporting Requirements for all RECLAIM Sources

1. The operator shall submit a quarterly certification of emissions including the facility's total NO<sub>x</sub> or SO<sub>x</sub> emissions, whichever is applicable, for the quarter within 30 days after the end of the first three quarters and 60 days after the end of the fourth quarter of a compliance year. [2011 & 2012]

#### NO<sub>x</sub> Reporting Requirements

- A. The Operator of a NO<sub>x</sub> Major Source, as defined in Rule 2012, shall, as applicable:
  1. No later than 12 months after entry into the RECLAIM program or after the initial operation of a new major source, whichever is later, install, maintain, and operate a reporting device to electronically report everyday to the AQMD central station for each major NO<sub>x</sub> source, the total daily mass emissions of NO<sub>x</sub> and daily status codes. Such data



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

shall be transmitted by 5:00 p.m. of the following day. If the facility experiences a power, computer, or other system failure that prevents the submittal of the daily report, the Facility Permit holder shall be granted 24 hours extension to submit the report. [2012]

2. Calculate NO<sub>x</sub> emissions pursuant to missing data procedures set forth in Appendix A, Chapter 2 of Rule 2012 if the Facility Permit holder fails to meet the deadline for submitting the daily report. [2012]
  3. Submit an electronic report within 15 days following the end of each month totaling NO<sub>x</sub> emissions from all major NO<sub>x</sub> sources during the month. [2012]
  4. For those facilities with existing CEMS and fuel meters as of October 15, 1993, continue to follow recording and reporting procedures required by AQMD Rules and Regulations in effect until the CEMS is certified pursuant to Rule 2011 and/or Rule 2012, as applicable. [2012]
- B. The Operator of a NO<sub>x</sub> Large Source, as defined in Rule 2012, shall:
- Not Applicable
- C. The Operator of a NO<sub>x</sub> Process Unit, as defined in Rule 2012, shall:
1. Electronically report the calculated quarterly NO<sub>x</sub> emissions for each NO<sub>x</sub> process unit. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. [2012]



**FACILITY PERMIT TO OPERATE  
LA CITY, DWP HAYNES GENERATING STATION**

**SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

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
<b>Process 1 : POWER GENERATION</b>					
<b>System 1 : BOILERS</b>					
SELECTIVE CATALYTIC REDUCTION, UNIT NO. 6, NOELL REACTOR. 3339 CUBIC FEET OF TOTAL CATALYST VOLUME, WIDTH: 39 FT; HEIGHT: 30 FT; LENGTH: 53 FT 4 IN WITH A/N: 274321 Permit to Construct Issued: 06/04/93	C79	D9		NH3: 20 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002] ; NH3: 20 PPMV FUEL OIL (4) [RULE 1303(a)(1)-BACT,5-10-1996 RULE 1303(a)(1)-BACT,12-6-2002]	D12.2, D12.3, D28.2, D28.3, E73.1, E179.1, E179.2, K40.4
AMMONIA INJECTION, UNIT NO. 6, AMMONIA/AIR INJECTION GRID, HAVING 480 INJECTION NOZZLES	C80				

\* (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  
LA CITY, DWP HAYNES GENERATING STATION**

**SECTION H: 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  
LA CITY, DWP HAYNES GENERATING STATION**

**SECTION H: DEVICE ID INDEX**

Device Index For Section H			
Device ID	Section H Page No.	Process	System
C79	1	1	1
C80	1	1	1



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 fuel oil containing sulfur compounds in excess of 0.05 percent by weight.

The .05 percent sulfur limit shall not apply to existing supplies of any liquid fuel in storage as of October 1, 1993 until such supply is exhausted.

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

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

This condition shall become effective on or after June 1, 2004.

[RULE 431.2, 9-15-2000]

F16.1 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

[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]



**FACILITY PERMIT TO OPERATE  
LA CITY, DWP HAYNES GENERATING STATION**

**SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

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

F18.1 Acid Rain SO2 Allowance Allocation for affected units are as follows:

Device ID	Boiler ID	Contaminant	Tons in any year
1	Boiler No. 1	SO2	677
4	Boiler No. 2	SO2	335
71	Boiler No. 3	SO2	1234
5	Boiler No. 4	SO2	994
7	Boiler No. 5	SO2	1391
9	Boiler No. 6	SO2	1516

- a). The allowance allocation(s) shall apply to calendar years 2000 through 2009.
- b). The number of allowances allocated to Phase II affected units by U.S. EPA may change in a 1998 revision to 40CFR73 Tables 2,3, and 4. In addition, the number of allowances actually held by an affected source in a unit account may differ from the number allocated by U.S. EPA. Neither of the aforementioned conditions necessitate a revision to the unit SO2 allowance allocations identified in this permit (see 40 CFR 72.84)

[40CFR 73 Subpart B, 1-11-1993]

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**

**D. Monitoring/Testing Requirements**



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

- D12.2 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature at the inlet of each selective catalytic reduction reactor.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2012, 5-11-2001; RULE 2012, 12-5-2003]**

[Devices subject to this condition : C79]

- D12.3 The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the ammonia injection rate of the ammonia injection system.

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

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

[Devices subject to this condition : C79]



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

D28.2 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to determine the PM emissions using District method 5.1 measured over a 60 minute averaging time period.

The test shall be conducted to determine the NH<sub>3</sub> emissions using District method 207.1 measured over a 60 minute averaging time period.

The test shall be conducted to determine the NH<sub>3</sub> emissions using either District method 5.3 or EPA method 17 measured over a 60 minute averaging time period.

Source test shall be conducted when this equipment is using fuel oil.

Source test shall be conducted when this equipment is operating at loads of 100 percent, 75 percent, 50 percent, and the minimum load at which ammonia injection commences in the SCR reactor.

The District shall be notified of the date and time of the test at least 14 days prior to the test.

The test shall be conducted using a certified continuous emissions monitoring system to measure the emissions of NO<sub>x</sub> and CO.

The test shall be conducted by a testing laboratory certified by the California Air Resources Board in the required test methods for each criteria pollutant to be measured, and in compliance with District Rule 304 (no conflict of interest).

The test shall be conducted during the next fuel oil readiness testing.

**[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 2012, 5-11-2001; RULE 2012, 12-5-2003]**

[Devices subject to this condition : C79]



**FACILITY PERMIT TO OPERATE  
LA CITY, DWP HAYNES GENERATING STATION**

**SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

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

D28.3 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted quarterly during the first 12 months after the initial source test, and once a year thereafter.

The District shall be notified of the date and time of the test at least 7 days prior to the test.

Source test shall be conducted when this equipment is using natural gas.

The test shall be conducted by a testing laboratory certified by the California Air Resources Board in the required test methods, and in compliance with District Rule 304 (no conflict of interest).

The test shall be conducted to determine the NH3 emissions using District method 207.1 measured over a 60 minute averaging time period.

The test shall be conducted to determine the NH3 emissions using either District method 5.3 or EPA method 17 measured over a 60 minute averaging time period.

The test shall be conducted when the equipment is operating at 80 percent load or greater.

The test shall be conducted and the results submitted to the District within 45 days after the test date.

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

[Devices subject to this condition : C79]

**E. Equipment Operation/Construction Requirements**

E73.1 Notwithstanding the requirements of Section E conditions, the operator shall not use ammonia injection if any of the following requirement(s) are met:

1. Whenever the inlet exhaust temperature prior to the SCR reactor is less than 530 degrees Fahrenheit.
2. Within the first 150 days (or other period approved in writing by the Executive Officer) after initial start-up of the SCR system.

[RULE 2012, 5-11-2001; RULE 2012, 12-5-2003]

[Devices subject to this condition : C79]



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

E179.1 For the purpose of the following condition number(s), "continuous monitoring" shall be defined as measuring at least once every 15 minutes, except as allowed by Rule 2000.

Condition Number D 12- 3

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

[Devices subject to this condition : C79]

E179.2 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 based upon the average of the continuous monitoring for that hour.

Condition Number D 12- 3

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2012, 5-11-2001; RULE 2012, 12-5-2003]

[Devices subject to this condition : C79]

### K. Record Keeping/Reporting



**FACILITY PERMIT TO OPERATE  
LA CITY, DWP HAYNES GENERATING STATION**

**SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

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

K40.4 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 180 days after the source test was conducted.

Emission data shall be expressed in terms of concentration (ppmv), corrected to 3 percent oxygen, dry basis.

Emission data shall be expressed in terms of mass rate (lbs/hr). In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

Source test results shall also include the fuel flow rate (CFM) under which the test was conducted.

Source test results shall also include the flue gas flow rate (SCFM) under which the test was conducted.

Source test results shall also include the utility boiler exhaust temperature (degrees Fahrenheit), before the SCR reactors, under which the test was conducted.

Source test results shall also include the NH<sub>3</sub> injection rate (lb/hr), upstream of the SCR reactor, under which the test was conducted.

Source test results shall also include the NH<sub>3</sub>/NO<sub>x</sub> molar ratio under which the test was conducted.

Source test results shall also include the net utility boiler and steam turbine electric generator output (MW) 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 2012, 5-6-2005]**

[Devices subject to this condition : C79]



AQMD

**FACILITY PERMIT TO OPERATE  
LA CITY, DWP HAYNES GENERATING STATION**

**SECTION I: PLANS AND SCHEDULES**

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules.

NONE

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX - Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
21865 Copley Drive, Diamond Bar, CA 91765



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Date:	June 24, 2008

**FACILITY PERMIT TO OPERATE  
LA CITY, DWP HAYNES GENERATING STATION**

**SECTION J: AIR TOXICS**

**NOT APPLICABLE**



**FACILITY PERMIT TO OPERATE  
LA CITY, DWP HAYNES GENERATING STATION**

**SECTION K: TITLE V Administration**

**GENERAL PROVISIONS**

1. This permit may be revised, revoked, reopened and reissued, or terminated for cause, or for failure to comply with regulatory requirements, permit terms, or conditions. [3004(a)(7)(C)]
2. This permit does not convey any property rights of any sort or any exclusive privilege. [3004(a)(7)(E)]

**Permit Renewal and Expiration**

3. (A) Except for solid waste incineration facilities subject to standards under Section 129(e) of the Clean Air Act, this permit shall expire five years from the date that this Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]
- (B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]
4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

**Duty to Provide Information**

5. The applicant for, or holder of, a Title V permit shall furnish, pursuant to Rule 3002(d) and (e), timely information and records to the Executive Officer or designee within a reasonable time as specified in writing by the Executive Officer or designee. [3004(a)(7)(F)]

**Payment of Fees**

6. The operator shall pay all required fees specified in Regulation III - Fees. [3004(a)(7)(G)]

**Reopening for Cause**

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:
  - (A) Additional regulatory requirements become applicable with a remaining permit term of three or more years. Reopening is not required if the effective date of the requirement is later than the expiration date of this permit, unless the permit or any of its terms and conditions has been extended pursuant to paragraph (f)(4) of Rule 3004.



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### SECTION K: TITLE V Administration

- (B) The Executive Officer or EPA Administrator determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
- (C) The Executive Officer or EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [3005(g)(1)]

### COMPLIANCE PROVISIONS

- 8. The operator shall comply with all regulatory requirements, and all permit terms and conditions, except:
  - (A) As provided for by the emergency provisions of condition no. 17 or condition no. 18, or
  - (B) As provided by an alternative operating condition granted pursuant to a federally approved (SIP-approved) Rule 518.2.

Any non-compliance with any federally enforceable permit condition constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or denial of a permit renewal application. Non-compliance may also be grounds for civil or criminal penalties under the California State Health and Safety Code. [3004(a)(7)(A)]

- 9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:
  - (A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;
  - (B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
  - (C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
  - (D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]
- 10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]



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11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]
12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]
13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]
14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]
15. Nothing in this permit or in any permit shield can alter or affect:
  - (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;
  - (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;
  - (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;
  - (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;
  - (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and
  - (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]
16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after



## **FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION**

### **SECTION K: TITLE V Administration**

commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

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#### EMERGENCY PROVISIONS

17. An emergency<sup>1</sup> constitutes an affirmative defense to an action brought for non-compliance with a technology-based emission limit only if:
- (A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:
    - (1) An emergency occurred and the operator can identify the cause(s) of the emergency;
    - (2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;
    - (3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,
    - (4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and
  - (B) The operator complies with the breakdown provisions of Rule 430 - Breakdown Provisions, or subdivision (i) of Rule 2004 - Requirements, whichever is applicable. [3002(g), 430, 2004(i)]
18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

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<sup>1</sup> "Emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the operator, including acts of God, which: (A) requires immediate corrective action to restore normal operation; and (B) causes the facility to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency; and (C) is not caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.



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**RECORDKEEPING PROVISIONS**

19. In addition to any other recordkeeping requirements specified elsewhere in this permit, the operator shall keep records of required monitoring information, where applicable, that include:
- (A) The date, place as defined in the Title V permit, and time of sampling or measurements;
  - (B) The date(s) analyses were performed;
  - (C) The company or entity that performed the analyses;
  - (D) The analytical techniques or methods used;
  - (E) The results of such analyses; and
  - (F) The operating conditions as existing at the time of sampling or measurement. [3004(a)(4)(B)]
20. The operator shall maintain records pursuant to Rule 109 and any applicable material safety data sheet (MSDS) for any equipment claimed to be exempt from a written permit by Rule 219 based on the information in those records. [219(t)]
21. The operator shall keep all records of monitoring data required by this permit or by regulatory requirements for a period of at least five years from the date of the monitoring sample, measurement, report, or application. [3004(a)(4)(E)]

**REPORTING PROVISIONS**

22. The operator shall comply with the following requirements for prompt reporting of deviations:
- (A) Breakdowns shall be reported as required by Rule 430 - Breakdown Provisions or subdivision (i) of Rule 2004 - Requirements, whichever is applicable.
  - (B) Other deviations from permit or applicable rule emission limitations, equipment operating conditions, or work practice standards, determined by observation or by any monitoring or testing required by the permit or applicable rules that result in emissions greater than those allowed by the permit or applicable rules shall be reported within 72 hours (unless a shorter reporting period is specified in an applicable State or Federal Regulation) of discovery of the deviation by contacting AQMD enforcement personnel assigned to this facility or otherwise calling (800) CUT-SMOG.



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- (C) A written report of such deviations reported pursuant to (B), and any corrective actions or preventative measures taken, shall be submitted to AQMD, in an AQMD approved format, within 14 days of discovery of the deviation.
  - (D) All other deviations shall be reported with the monitoring report required by condition no. 23. [3004(a)(5)]
23. Unless more frequent reporting of monitoring results are specified in other permit conditions or in regulatory requirements, the operator shall submit reports of any required monitoring to the AQMD at least twice per year. The report shall include a) a statement whether all monitoring required by the permit was conducted; and b) identification of all instances of deviations from permit or regulatory requirements. A report for the first six calendar months of the year is due by August 31 and a report for the last six calendar months of the year is due by February 28. [3004(a)(4)(F)]
24. The operator shall submit to the Executive Officer and to the Environmental Protection Agency (EPA), an annual compliance certification. For RECLAIM facilities, the certification is due when the Annual Permit Emissions Program (APEP) report is due and shall cover the same reporting period. For other facilities, the certification is due on March 1 for the previous calendar year. The certification need not include the period preceding the date the initial Title V permit was issued. Each compliance certification shall include:
- (A) Identification of each permit term or condition that is the basis of the certification;
  - (B) The compliance status during the reporting period;
  - (C) Whether compliance was continuous or intermittent;
  - (D) The method(s) used to determine compliance over the reporting period and currently, and
  - (E) Any other facts specifically required by the Executive Officer to determine compliance.
- The EPA copy of the certification shall be sent to: Director of the Air Division Attn: Air-3 USEPA, Region IX 75 Hawthorne St. San Francisco, CA 94105 [3004(a)(10)(E)]
25. All records, reports, and documents required to be submitted by a Title V operator to AQMD or EPA shall contain a certification of accuracy consistent with Rule 3003(c)(7) by a responsible official (as defined in Rule 3000). [3004(a)(12)]



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**SECTION K: TITLE V Administration**

**PERIODIC MONITORING**

26. All periodic monitoring required by this permit pursuant to Rule 3004(a)(4)(c) is based on the requirements and justifications in the AQMD document "Periodic Monitoring Guidelines for Title V Facilities" or in case-by-case determinations documented in the Title V application file. [3004(a)(4)]



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**SECTION K: TITLE V Administration**

*FACILITY RULES*

*This facility is subject to the following rules and regulations:*

With the exception of Rule 402, 473, 477, 1118 and Rules 1401 through 1420, the following rules that are designated as non-federally enforceable are pending EPA approval as part of the state implementation plan. Upon the effective date of that approval, the approved rule(s) will become federally enforceable, and any earlier versions of those rules will no longer be federally enforceable.

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 1110.2	2-1-2008	Non federally enforceable
RULE 1113	11-8-1996	Federally enforceable
RULE 1113	7-13-2007	Non federally enforceable
RULE 1140	2-1-1980	Federally enforceable
RULE 1140	8-2-1985	Non federally enforceable
RULE 1171	11-7-2003	Federally enforceable
RULE 1171	2-1-2008	Non federally enforceable
RULE 118	12-7-1995	Non federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable
RULE 1304(a)-Modeling and Offset Exemption	6-14-1996	Federally enforceable
RULE 1304(c)-Offset Exemption	6-14-1996	Federally enforceable
RULE 1411	3-1-1991	Non federally enforceable
RULE 1415	10-14-1994	Non federally enforceable
RULE 1470	6-1-2007	Non federally enforceable
RULE 2005	4-20-2001	Federally enforceable
RULE 2005	4-9-1999	Federally enforceable
RULE 2005	5-6-2005	Federally enforceable
RULE 2009	5-11-2001	Non federally enforceable
RULE 2012	12-5-2003	Federally enforceable
RULE 2012	5-11-2001	Federally enforceable
RULE 2012	5-6-2005	Federally enforceable
RULE 204	10-8-1993	Federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 218	5-14-1999	Non federally enforceable
RULE 218	8-7-1981	Federally enforceable
RULE 219	9-4-1981	Federally enforceable



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<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 3002	11-14-1997	Federally enforceable
RULE 3003	11-14-1997	Federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable
RULE 3005	11-14-1997	Federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 304	1-14-1982	Non federally enforceable
RULE 401	11-9-2001	Non federally enforceable
RULE 401	3-2-1984	Federally enforceable
RULE 402	5-7-1976	Non federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 405	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 430	7-12-1996	Non federally enforceable
RULE 431.1	11-17-1995	Non federally enforceable
RULE 431.2	5-4-1990	Federally enforceable
RULE 431.2	9-15-2000	Non federally enforceable
RULE 463	3-11-1994	Federally enforceable
RULE 464	12-7-1990	Federally enforceable
RULE 475	10-8-1976	Federally enforceable
RULE 475	8-7-1978	Non federally enforceable
40CFR 60 Subpart Da	10-4-1991	Federally enforceable
40CFR 60 Subpart GG	3-6-1981	Federally enforceable
40CFR 68 - Accidental Release Prevention	5-24-1996	Federally enforceable
RULE 701	6-13-1997	Federally enforceable
40CFR 72 - Acid Rain Provisions	11-24-1997	Federally enforceable
40CFR 73 Subpart B	1-11-1993	Federally enforceable
40CFR 82 Subpart B	7-14-1992	Federally enforceable
CA PRC CEQA	11-23-1970	Non federally enforceable



**FACILITY PERMIT TO OPERATE  
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**APPENDIX A: NOX AND SOX EMITTING EQUIPMENT EXEMPT FROM WRITTEN  
PERMIT PURSUANT TO RULE 219**

1. VACUUM, GASOLINE
2. BACKPACK AIR BLOWER, GASOLINE
3. CHAIN SAW, GASOLINE
4. CONCRETE SAW, GASOLINE
5. AIR COMPRESSOR, GASOLINE
6. CONCRETE MIXERS, GASOLINE
7. WELDER, GASOLINE
8. WATER BLASTER, GASOLINE
9. IC ENGINES



**FACILITY PERMIT TO OPERATE**  
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**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1113 11-8-1996]**

- (1) Except as provided in paragraphs (c)(2), (c)(3), and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, or solicit the application of, any architectural coating which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, or manufacture, blend, or repackage such a coating for use within the District.
- (2) Except as provided in paragraphs (c)(3) and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, solicit the application of, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified.

**TABLE OF STANDARDS**

**VOC LIMITS**

**Grams of VOC Per Liter of Coating,  
Less Water And Less Exempt Compounds**

COATING	Limit*	Effective Date of Adoption	Effective 1/1/1998	Effective 1/1/1999	Effective 7/1/2001	Effective 1/1/2005	Effective 7/1/2008
Bond Breakers	350						
Clear Wood Finishes							
Varnish	350						
Sanding Sealers	350						
Lacquer	680		550			275	
Concrete-Curing Compounds	350						
Dry-Fog Coatings	400						
Fire-proofing Exterior Coatings	350	450		350			
Fire-Retardant Coatings							
Clear	650						
Pigmented	350						
Flats	250				100		50
Graphic Arts (Sign) Coatings	500						
Industrial Maintenance							



AQMD

# FACILITY PERMIT TO OPERATE

## LA CITY, DWP HAYNES GENERATING STATION

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 11-8-1996]

Primers and Topcoats						
Alkyds	420					
Catalyzed Epoxy	420					
Bituminous Coatings	420					
Materials						
Inorganic Polymers	420					
Vinyl Chloride Polymers	420					
Chlorinated Rubber	420					
Acrylic Polymers	420					
Urethane Polymers	420					
Silicones	420					
Unique Vehicles	420					
Japans/Faux Finishing	350	700		350		
Coatings						
Magnesite Cement Coatings	600			450		
Mastic Coatings	300					
Metallic Pigmented Coatings	500					
Multi-Color Coatings	420					
Pigmented Lacquer	680		250			275
Pre-Treatment Wash Primers	780		550			
Primers, Sealers, and	350					
Undercoaters						
Quick-Dry Enamels	400					
Roof Coatings	300					
Shellac						
Clear	730					
Pigmented	550					
Stains	350					
Swimming Pool Coatings						
Repair	650					
Other	340					
Traffic Coatings	250		150			
Waterproofing Sealers	400					
Wood Preservatives						
Below-Ground	350					
Other	350					

\* The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards



**FACILITY PERMIT TO OPERATE**  
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**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1113 11-8-1996]**

**TABLE OF STANDARDS (cont.)**

**VOC LIMITS**

**Grams of VOC Per Liter of Material**

COATING	Limit
Low-Solids Coating	120



**FACILITY PERMIT TO OPERATE**  
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**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1113 7-13-2007]**

- (1) Except as provided in paragraphs (c)(2), (c)(3), (c)(4), and specified coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage any architectural coating for use in the District which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, and no person shall apply or solicit the application of any architectural coating *within the District* that exceeds 250 grams of VOC per liter of coating as calculated in this paragraph.
- (2) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified, and no person shall apply or solicit the application of any architectural coating within the District that exceeds the VOC limit as specified in this paragraph. No person shall apply or solicit the application within the District of any industrial maintenance coatings, except anti-graffiti coatings, for residential use or for use in areas such as office space and meeting rooms of industrial, commercial or institutional facilities not exposed to such extreme environmental conditions described in the definition of industrial maintenance coatings; or of any rust-preventative coating for industrial use, unless such a rust preventative coating complies with the Industrial Maintenance Coating VOC limit specified in the Table of Standards.



**FACILITY PERMIT TO OPERATE**  
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**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1113 7-13-2007]**

**TABLE OF STANDARDS**  
**VOC LIMITS**

**Grams of VOC Per Liter of Coating,**  
**Less Water and Less Exempt Compounds**

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Bond Breakers	350							
Clear Wood Finishes	350					275		
Varnish	350					275		
Sanding Sealers	350					275		
Lacquer	680	550			275			
Clear Brushing Lacquer	680				275			
Concrete-Curing Compounds	350						100	
Concrete-Curing Compounds For Roadways and Bridges**	350							
Dry-Fog Coatings	400						150	
Fire-Proofing Exterior Coatings	450	350						
Fire-Retardant Coatings***								
Clear	650							
Pigmented	350							
Flats	250	100						50
Floor Coatings	420		100			50		
Graphic Arts (Sign) Coatings	500							
Industrial Maintenance (IM) Coatings	420			250		100		
High Temperature IM Coatings			420					
Zinc-Rich IM Primers	420		340			100		
Japans/Faux Finishing Coatings	700	350						
Magnesite Cement Coatings	600	450						
Mastic Coatings	300							
Metallic Pigmented Coatings	500							
Multi-Color Coatings	420	250						
Nonflat Coatings	250		150			50		
Nonflat High Gloss	250		150				50	



**FACILITY PERMIT TO OPERATE**  
**LA CITY, DWP HAYNES GENERATING STATION**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1113 7-13-2007]**

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Pigmented Lacquer	680	550			275			
Pre-Treatment Wash Primers	780		420					
Primers, Sealers, and Undercoaters	350		200			100		
Quick-Dry Enamels	400		250			150	50	
Quick-Dry Primers, Sealers, and Undercoaters	350		200			100		
Recycled Coatings			250					
Roof Coatings	300		250		50			
Roof Coatings, Aluminum	500				100			
Roof Primers, Bituminous	350		350					
Rust Preventative Coatings	420		400			100		
Shellac								
Clear	730							
Pigmented	550							
Specialty Primers	350					250	100	
Stains	350		250				100	
Stains, Interior	250							
Swimming Pool Coatings								
Repair	650		340					
Other	340							
Traffic Coatings	250	150					100	
Waterproofing Sealers	400		250			100		
Waterproofing	400					100		
Concrete/Masonry Sealers								
Wood Preservatives								
Below-Ground	350							
Other	350							

\* The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.

\*\* Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

\*\*\* The Fire-Retardant Coating category will be eliminated on January 1, 2007 and subsumed by the coating category for which they are formulated.



**FACILITY PERMIT TO OPERATE**  
**LA CITY, DWP HAYNES GENERATING STATION**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1113 7-13-2007]**

**TABLE OF STANDARDS (cont.)**  
**VOC LIMITS**

**Grams of VOC Per Liter of Material**

<b>COATING</b>	<b>Limit</b>
Low-Solids Coating	120



**FACILITY PERMIT TO OPERATE**  
**LA CITY, DWP HAYNES GENERATING STATION**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1140 2-1-1980]**

- (1) The operator shall not, if he complies with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting 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 as No. 2 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 (1)(A).
- (2) The operator shall not, if he is not complying with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting 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 as 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 (2)(A).



**FACILITY PERMIT TO OPERATE**  
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**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1140 8-2-1985]**

- (1) The operator shall not, if he complies with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting 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 as No. 2 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 (1)(A).
- (2) The operator shall not, if he is not complying with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting 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 as 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 (2)(A).



**FACILITY PERMIT TO OPERATE**  
**LA CITY, DWP HAYNES GENERATING STATION**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1171 11-7-2003]**

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application	
(i) General	25 (0.21)
(ii) Electrical Apparatus Components & Electronic Components	500 (4.2)
(iii) Medical Devices & Pharmaceuticals	800 (6.7)
(B) Repair and Maintenance Cleaning	
(i) General	25 (0.21)
(ii) Electrical Apparatus Components & Electronic Components	900 (7.5)
(iii) Medical Devices & Pharmaceuticals	
(A) Tools, Equipment, & Machinery	800 (6.7)
(B) General Work Surfaces	600 (5.0)



**FACILITY PERMIT TO OPERATE**  
**LA CITY, DWP HAYNES GENERATING STATION**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1171 11-7-2003]**

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	VOC g/l (lb/gal)
(C) Cleaning of Coatings or Adhesives Application Equipment	550 (4.6)
(D) Cleaning of Ink Application Equipment	
(i) General	25 (0.21)
(ii) Flexographic Printing	25 (0.21)
(iii) Gravure Printing	
(A) Publication	750 (6.3)
(B) Packaging	25 (0.21)
(iv) Lithographic or Letter Press Printing	
(A) Roller Wash – Step 1	600 (5.0)
(B) Roller Wash-Step 2, Blanket Wash, & On-Press Components	800 (6.7)
(C) Removable Press Components	25 (0.21)
(v) Screen Printing	750 (6.3)
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	800 (6.7)



**FACILITY PERMIT TO OPERATE**  
**LA CITY, DWP HAYNES GENERATING STATION**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1171 11-7-2003]**

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	VOC g/l (lb/gal)
(vii) Specialty Flexographic Printing	600 (5.0)
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)



**FACILITY PERMIT TO OPERATE**  
**LA CITY, DWP HAYNES GENERATING STATION**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1171 2-1-2008]**

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2008*</b>	<b>EFFECTIVE 1/1/2009</b>
<b>SOLVENT CLEANING ACTIVITY</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)		
(iii) Medical Devices & Pharmaceuticals	800 (6.7)		
(B) Repair and Maintenance Cleaning			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)		



**FACILITY PERMIT TO OPERATE**  
**LA CITY, DWP HAYNES GENERATING STATION**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1171 2-1-2008]**

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2008*</b>	<b>EFFECTIVE 1/1/2009</b>
<b>SOLVENT CLEANING ACTIVITY (cont.)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(iii) Medical Devices & Pharmaceuticals			
(A) Tools, Equipment, & Machinery	800 (6.7)		
(B) General Work Surfaces	600 (5.0)		
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)		
(D) Cleaning of Ink Application Equipment			
(i) General	25 (0.21)		
(ii) Flexographic Printing	25 (0.21)		
(iii) Gravure Printing			
(A) Publication	100 (0.83)		
(B) Packaging	25 (0.21)		
(iv) Lithographic (Offset) or Letter Press Printing			
(A) Roller Wash, Blanket Wash, & On-Press Components			
(I) Newsprint	100 (0.83)		



**FACILITY PERMIT TO OPERATE**  
**LA CITY, DWP HAYNES GENERATING STATION**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1171 2-1-2008]**

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2008*</b>	<b>EFFECTIVE 1/1/2009</b>
<b>SOLVENT CLEANING ACTIVITY (cont.)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(II) Other Substrates	500 (4.2)	100 (0.83)	
(B) Removable Press Components	25 (0.21)		
(v) Screen Printing	500 (4.2)	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)		
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)		

\* The specified limits remain in effect unless revised limits are listed in subsequent columns.



**FACILITY PERMIT TO OPERATE**  
**LA CITY, DWP HAYNES GENERATING STATION**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 404 2-7-1986]**

The operator shall not discharge into the atmosphere from this equipment, particulate matter in excess of the concentration at standard conditions, shown in Table 404(a). Where the volume discharged is between figures listed in the Table, the exact concentration permitted to be discharged shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

**TABLE 404(a)**

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
25 or less	883 or less	450	0.196	900	31780	118	0.0515
30	1059	420	.183	1000	35310	113	.0493
35	1236	397	.173	1100	38850	109	.0476
40	1413	377	.165	1200	42380	106	.0463
45	1589	361	.158	1300	45910	102	.0445
50	1766	347	.152	1400	49440	100	.0437
60	2119	324	.141	1500	52970	97	.0424
70	2472	306	.134	1750	61800	92	.0402



AQMD

## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### APPENDIX B: RULE EMISSION LIMITS [RULE 404 2-7-1986]

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
		Milligrams per Cubic Meter	Grains per Cubic Foot			Milligrams per Cubic Meter	Grains per Cubic Foot
Cubic meters Per Minute	Cubic feet Per Minute			Cubic meters Per Minute	Cubic feet Per Minute		
80	2825	291	.127	2000	70630	87	.0380
90	3178	279	.122	2250	79460	83	.0362
100	3531	267	.117	2500	88290	80	.0349
125	4414	246	.107	3000	105900	75	.0327
150	5297	230	.100	4000	141300	67	.0293
175	6180	217	.0947	5000	176600	62	.0271
200	7063	206	.0900	6000	211900	58	.0253
250	8829	190	.0830	8000	282500	52	.0227
300	10590	177	.0773	10000	353100	48	.0210
350	12360	167	.0730	15000	529700	41	.0179
400	14130	159	.0694	20000	706300	37	.0162
450	15890	152	.0664	25000	882900	34	.0148
500	17660	146	.0637	30000	1059000	32	.0140
600	21190	137	.0598	40000	1413000	28	.0122
700	24720	129	.0563	50000	1766000	26	.0114
800	28250	123	.0537	70000 or more	2472000 or more	23	.0100



**FACILITY PERMIT TO OPERATE**  
**LA CITY, DWP HAYNES GENERATING STATION**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 405 2-7-1986]**

The operator shall not discharge into the atmosphere from this equipment, solid particulate matter including lead and lead compounds in excess of the rate shown in Table 405(a).

Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

**TABLE 405(a)**

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process)		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process)	
Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour
100 or less	220 or less	0.450	0.99	9000	19840	5.308	11.7
150	331	0.585	1.29	10000	22050	5.440	12.0
200	441	0.703	1.55	12500	27560	5.732	12.6
250	551	0.804	1.77	15000	33070	5.982	13.2
300	661	0.897	1.98	17500	38580	6.202	13.7
350	772	0.983	2.17	20000	44090	6.399	14.1
400	882	1.063	2.34	25000	55120	6.743	14.9
450	992	1.138	2.51	30000	66140	7.037	15.5
500	1102	1.209	2.67	35000	77160	7.296	16.1
600	1323	1.340	2.95	40000	88180	7.527	16.6
700	1543	1.461	3.22	45000	99210	7.738	17.1
800	1764	1.573	3.47	50000	110200	7.931	17.5
900	1984	1.678	3.70	60000	132300	8.277	18.2
1000	2205	1.777	3.92	70000	154300	8.582	18.9



## FACILITY PERMIT TO OPERATE

### LA CITY, DWP HAYNES GENERATING STATION

#### APPENDIX B: RULE EMISSION LIMITS [RULE 405 2-7-1986]

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process)		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process)	
Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour
1250	2756	2.003	4.42	80000	176400	8.854	19.5
1500	3307	2.206	4.86	90000	198400	9.102	20.1
1750	3858	2.392	5.27	100000	220500	9.329	20.6
2000	4409	2.563	5.65	125000	275600	9.830	21.7
2250	4960	2.723	6.00	150000	330700	10.26	22.6
2500	5512	2.874	6.34	175000	385800	10.64	23.5
2750	6063	3.016	6.65	200000	440900	10.97	24.2
3000	6614	3.151	6.95	225000	496000	11.28	24.9
3250	7165	3.280	7.23	250000	551200	11.56	25.5
3600	7716	3.404	7.50	275000	606300	11.82	26.1
4000	8818	3.637	8.02	300000	661400	12.07	26.6
4500	9921	3.855	8.50	325000	716500	12.30	27.1
5000	11020	4.059	8.95	350000	771600	12.51	27.6
6000	13230	4.434	9.78	400000	881800	12.91	28.5
7000	15430	4.775	10.5	450000	992100	13.27	29.3
8000	17640	5.089	11.2	500000 or more	1102000 or more	13.60	30.0



## FACILITY PERMIT TO OPERATE

### LA CITY, DWP HAYNES GENERATING STATION

#### APPENDIX B: RULE EMISSION LIMITS [40CFR 72 - Acid Rain Provisions 11-24-1997]

1. A Title V permit revision is not required for emission increases that are authorized by allowances acquired under the Acid Rain Program, provided that the increases do not trigger a Title V permit revision under any other applicable requirement. [70.6 (a)(4)(ii)]

#### Monitoring Requirements

2. The owners and operators and, to the extent applicable, the designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR Parts 74, 75, and 76. [40 CFR 72.50, 72.31, 72.9(b)(1)]
3. The emissions measurements recorded and reported in accordance with 40 CFR Part 75 shall be used to determine compliance by the unit with the acid rain emissions limitations and emissions reduction requirements for sulfur dioxide (SO<sub>2</sub>) under the Acid Rain Program. [40 CFR 72.9(b)(2), 40 CFR 75.2]
4. The requirements of 40 CFR Parts 74 and 75 shall not affect the responsibility of the operator to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements and other provisions of this permit. [40 CFR 72.9(b)(3), 40 CFR 72.5]

#### Sulfur Dioxide Requirements

5. The owners and operators of each source and each affected unit at the source shall:
  - (A) Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR Part 73, Section 73.34(C)) not less than the total annual emissions of SO<sub>2</sub> for the previous calendar year from the unit; and, [40 CFR 72.9(c)(i)],
  - (B) Comply with the applicable acid rain emissions limitations for SO<sub>2</sub>. [40 CFR 72.9(c)(ii)]
6. Each ton of SO<sub>2</sub> emitted in excess of the acid rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act. [40 CFR 72.9(g)(7)]
7. SO<sub>2</sub> allowances shall be held in, deducted from, or transferred among allowance tracking system accounts in accordance with the Acid Rain Program. [40 CFR 72.9(g)(4)]



**FACILITY PERMIT TO OPERATE**  
**LA CITY, DWP HAYNES GENERATING STATION**

**APPENDIX B: RULE EMISSION LIMITS**  
**[40CFR 72 - Acid Rain Provisions 11-24-1997]**

8. A SO<sub>2</sub> allowance shall not be deducted in order to comply with the requirements under paragraph 41(A) of the SO<sub>2</sub> requirements prior to the calendar year for which the allowance was allocated. [40 CFR 72.9(g)(5)]
9. An affected unit shall be subject to the SO<sub>2</sub> requirements under the Acid Rain Program as follows:[40 CFR 72.6(a)]
  - (A) Starting January 1, 2000, an affected unit under 40 CFR Part 72, Section 72.6(a)(2); or [40 CFR 72.6(a)(2)]
  - (B) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR Part 75, an affected unit under 40 CFR Part 72, Section 72.6(a)(3). [40CFR 72.6(a)(3)]
10. An allowance allocated by the EPA administrator under the Acid Rain Program is a limited authorization to emit SO<sub>2</sub> in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the acid rain permit application, the acid rain permit, or the written exemption under 40 CFR Part 72, Sections 72.7, 72.8, or 72.14, and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization. [40 CFR 72.9 (c)(6)]
11. An allowance allocated by the EPA Administrator under the Acid Rain Program does not constitute a property right. [40 CFR 72.9(c)(7)]

**Excess Emissions Requirements**

12. The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR Part 77. [40 CFR 72.9(e)]
13. The owners and operators of an affected unit that has excess emissions in any calendar year shall: [40 CFR 72.9(e)(2)]
  - (A) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR Part 77; and[40 CFR 72.9(e)(2)(i)]
  - (B) Comply with the terms of an approved offset plan, as required by 40 CFR Part 77. [40 CFR 72.9(e)(2)(ii)]



## **FACILITY PERMIT TO OPERATE**

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#### **APPENDIX B: RULE EMISSION LIMITS** **[40CFR 72 - Acid Rain Provisions 11-24-1997]**

##### **Recordkeeping and Reporting Requirements**

14. Unless otherwise provided, the owners and operators of the source and each affected unit at the source that are subject to the acid rain provisions under Title IV shall keep on site at the source each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time prior to the end of five years, in writing by the EPA Administrator or the Executive Officer: [40 CFR 72.9(f)(1)]
- (A) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such five year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative; [40 CFR 72.9(f)(1)(i)]
- (B) All emissions monitoring information, in accordance with 40 CFR Part 75; [40 CFR 72.9(f)(1)(ii)]
- (C) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and, [40 CFR 72.9(f)(1)(iii)]
- (D) Copies of all documents used to complete an acid rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program. [40 CFR 72.9(f)(1)(iv)]
15. The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR Part 72 Subpart I and 40 CFR Part 75. [40 CFR 72.9(f)(2)]

##### **Liability**

16. Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete acid rain permit application, an acid rain permit, or a written exemption under 40 CFR Part 72, Sections 72.7, 72.8, or 72.14, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to Section 113(c) of the Act. [40 CFR 72.9 (g)(1)]



## FACILITY PERMIT TO OPERATE LA CITY, DWP HAYNES GENERATING STATION

### APPENDIX B: RULE EMISSION LIMITS [40CFR 72 - Acid Rain Provisions 11-24-1997]

17. Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to Section 113(c) of the Act and 18 U.S.C. 1001. [40 CFR 72.9 (g)(2)]
18. No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect. [40 CFR 72.9 (g)(3)]
19. Each affected source and each affected unit shall meet the requirements of the Acid Rain Program. [40 CFR 72.9 (g)(4)]
20. Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source. [40 CFR 72.9 (g)(5)]
21. Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR Part 72, Section 72.44 (Phase II repowering extension plans) and 40 CFR Part 76, Section 76.11 (NOx averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR Part 75 (including 40 CFR Part 75, Sections 75.16, 75.17, and 75.18), the owners and operators and the designated representative of one affected unit shall not be liable for any violation by any other affected unit of which they are not owners or operators or the designated representative and that is located at a source of which they are not owners or operators or the designated representative. [40 CFR 72.9 (g)(6)]
22. Each violation of a provision of 40 CFR Parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act. [40 CFR 72.9 (g)(7)]

#### Effect on Other Authorities

23. No provision of the Acid Rain Program, an acid rain permit application, an acid rain permit, or a written exemption under 40 CFR Part 72, Sections 72.7, 72.8, or 72.14 shall be construed as: [40 CFR 72.9 (h)]



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## FACILITY PERMIT TO OPERATE

### LA CITY, DWP HAYNES GENERATING STATION

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#### APPENDIX B: RULE EMISSION LIMITS [40CFR 72 - Acid Rain Provisions 11-24-1997]

- (A) Except as expressly provided in Title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with any other provision of the Act, including the provisions of Title I of the Act relating to applicable National Ambient Air Quality Standards or state implementation plans; [40 CFR 72.9 (h)(1)]
- (B) Limiting the number of allowances a unit can hold; *provided*, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the Act; [40 CFR 72.9 (h)(2)]
- (C) Requiring a change of any kind in any state law regulating electric utility rates and charges, affecting any state law regarding such state regulation, or limiting such state regulation, including any prudence review requirements under such state law; [40 CFR 72.9 (h)(3)]
- (D) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or, [40 CFR 72.9 (h)(4)]
- (E) Interfering with or impairing any program for competitive bidding for power supply in a state in which such program is established. [40 CFR 72.9 (h)(5)]