



# South Coast Air Quality Management District

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

July 2, 2010

Mr. Gerardo Rios – via email ([R9AirPermits\\_sc@epa.gov](mailto:R9AirPermits_sc@epa.gov))  
U.S. EPA, Region IX  
75 Hawthorne Street  
San Francisco, CA 94105

SUBJECT: Transmittal of Proposed Title V Renewal Permit  
Martin Luther King Jr. - MACC  
12021 S. Wilmington Ave.  
Los Angeles, CA 90059  
Facility ID 2619

Dear Mr. Rios:

Enclosed is the permit summary, proposed Title V renewal permit along with the facility permit application, permit summary, statement of basis and public notice for the above-referenced facility. With your receipt of this proposed Title V permit today, we will note that the EPA 45-day review period has begun on July 2, 2010.

Questions on the proposed permit should be directed to Mr. Francisco Escobar, Air Quality Engineer, at (909) 396-2503 or [fescobar@aqmd.gov](mailto:fescobar@aqmd.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'Brian L. Yeh', is written over the typed name and title.

Brian L. Yeh  
Senior Manager  
General Commercial and Energy Team  
Engineering and Compliance

MN:BLY:AL:ABS:FLE

Enclosures:

Facility Permit (Proposed Renewal)  
Public Notice  
Permit Summary  
Statement of Basis  
Facility Permit Application



# South Coast Air Quality Management District

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## NOTICE OF PROPOSED RENEWAL TITLE V PERMIT

The South Coast Air Quality Management District (AQMD) is proposing to renew the existing Title V permit previously issued to the facility listed below:

### Facility Locations and Contact People

#### **MARTIN LUTHER KING JR - MACC**

12021 S. Wilmington Ave.  
Los Angeles, CA 90059  
Facility ID 2619

#### *Contact Person:*

George English  
Director, Facilities Management Division  
Martin Luther King Jr - MACC  
12021 S. Wilmington Ave.  
Los Angeles, CA 90059

#### *AQMD Contact:*

Francisco Escobar  
909/396-2503

The facility operates a hospital and has boilers and emergency engines.

Pursuant to Title V of the federal Clean Air Act and the AQMD Rule 3004(f), a Title V permit shall expire five years from the date of issuance unless such permit has been renewed. Accordingly, this facility has submitted a Title V renewal application and requested the AQMD to renew their Title V permits. The proposed permit incorporates updates to the facility information provided in the facility's Title V renewal application and all rules and regulations that are currently applicable to this facility.

The proposed permit is available for public review at the AQMD, 21865 Copley Dr., Diamond Bar, CA, and at the Willowbrook Library, 11838 Wilmington Avenue, Los Angeles, CA 90059. Information regarding the facility owner's compliance history submitted to the AQMD pursuant to California Health & Safety Code Section 42336, or otherwise known to the AQMD based on credible information, is also available from the AQMD for public review. For more information or to review additional supporting documents, call the AQMD's Title V hotline at (909) 396-3013. Written comments should be submitted to Mr. Francisco Escobar, Air Quality Engineer, 21865 Copley Drive, Diamond Bar, CA 91765-4178. Comments must be received by August 8, 2010. The AQMD will consider all public comments and may revise the Title V permit in accordance with AQMD rules and regulations.

The public may request the AQMD to conduct a public hearing on the proposed permit by submitting a Hearing Request Form (Form 500-G) to Francisco Escobar at the above AQMD address. The AQMD will hold a public hearing if there is evidence that the proposed permit is not correct or is not adequate to ensure compliance with regulatory requirements, and a hearing will likely provide additional information that will affect the drafting and/or issuance of the permit. Public hearing request forms and the schedule of public hearings may be obtained from the AQMD by calling the Title V hotline at (909) 396-3013, or from the Internet at <http://www.aqmd.gov/titlev>. Requests for public hearings are due by July 24, 2010. A copy of the hearing request must also be sent by first class mail to the appropriate facility contact person listed above.

Your Order is sent.

**Customer Information**

**Customer Name** : SCAQMD/ENGINEERING & COMPLIANCE      **Master Id** : 59938  
**Address** : 21865 COPLEY DR 5TH FLR      **Phone** : 9093962825  
**City** : DIAMOND BAR      **Fax** : 9093963341  
**State - Zip** : CA - 917654178

**Product Information**

Legal      GOVERNMENT - GOVT PUBLIC NOTICE

**Order Information**

**Attention Name** : Scott Robins/Francisco Escobar      **Billing Reference No.** : 50774-67500  
**Ad Description** : Martin Luther King Jr. MACC-Public Notice      **Sale/Hrg/Bid Date** : -  
**Special Instructions** : Please publish this public notice the the Press Telegram on July 9, 2010 - Please send CONFIRMATION of this publication to me at srogins@aqmd.gov. Thank you.

**Orders Created**

Order No.	Newspaper Name	Publishing Dates
1897733	PRESS TELEGRAM, CA	07/08/2010

**Ad**

The Ad exists as an uploaded file.

# SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

## Title V Permit Summary

AQMD Facility ID: 2619	Company Name: MARTIN LUTHER KING JR/MACC		
Equipment Location: 12021 S.WILMINGTON AVE, LOS ANGELES, CA 90059	SIC Code: 8062		
Permit Revision #: 1	Revision Date: 5/13/2010	Facility Permit Section(s) Affected: ALL	
Application #(s): 503563, 503564 & 503565, 504382, 508486	Application Submittal Date(s): 11/6/09, 12/10/09 & 3/4/10		
AQMD Contact Person: FRANCISCO ESCOBAR	Phone #: (909) 396-2503	E-Mail Address: fescobar@aqmd.gov	
Project Description: This facility is applying for a permit revision and a renewal to their Title V permit. The applicant operates a hospital and has boilers and emergency engines. The revision consists of burner replacements to 3 boilers to low NOX..			
Permit Type: <input type="checkbox"/> Initial Title V Permit <input checked="" type="checkbox"/> Significant Revision <input checked="" type="checkbox"/> Permit Renewal <input type="checkbox"/> De Minimus Permit Revision			
Permit Features: <input type="checkbox"/> Federally Enforceable Emission Cap For Exemption From Certain NESHAP Requirements <input type="checkbox"/> Permit Shield Applies <input type="checkbox"/> Permit Contains Conditions Allowing Emission Trading <input type="checkbox"/> Alternative Operating Scenario <input type="checkbox"/> Permit Streamlines Overlapping or Outdated Requirements <input type="checkbox"/> Other: _____ <input type="checkbox"/> Source Out of Compliance With Applicable Requirements and/or Operating Under a Variance			
Toxic Air Contaminant Emissions (TAC) - Annual Reported Emissions for Reporting Year: 2009	<input type="checkbox"/> No TACs Reported <input checked="" type="checkbox"/> The Following TACs Were Reported:		<u>Emissions (lbs/yr):</u>
	1, 3-Butadiene		1.172
	Ammonia		928.363
	Arsenic		0.009
	Benzene		1.296
	Cadmium		0.008
	Chromium (VI)		0.000
	Flouorcarb (CL)		1401.600
	Formaldehyde		10.057
	Lead (Inorganic)		0.048
	Naphthalene		0.123
	Nickel		0.022
	PAHs, total		0.221
Health Risk From Toxic Air Contaminants:	<input type="checkbox"/> Health Risk Reduction Plan in Force (AQMD Rule 1402) (date): _____ <input type="checkbox"/> Health Risk Assessment Required for this Permit Action (AQMD Rule 1401) <input type="checkbox"/> Facility is Subject to Review by the Air Toxics Information and Assessment Act (AB2588) <input checked="" type="checkbox"/> Facility Determined to be Exempt from AB2588 Requirements <input type="checkbox"/> AQMD is Tracking Status of Facility under AB2588 <input type="checkbox"/> Health Risk Assessment Submitted to AQMD and Is Being Reviewed <input type="checkbox"/> Final Facility Health Risk Approved (date) _____ Cancer Risk = _____ in one million Acute Hazard Index = _____ Chronic Hazard Index = _____		
Criteria Pollutant Emissions Annual Reported Emissions (tons/year) for Reporting Year: 2005-2006	<input checked="" type="checkbox"/> NOx 2.281	<input checked="" type="checkbox"/> PM 0.772	
	<input checked="" type="checkbox"/> CO 2.251	<input checked="" type="checkbox"/> SOx 0.036	
	<input checked="" type="checkbox"/> VOC 1.836	<input type="checkbox"/> Other: _____	
Compliance History:	<input type="checkbox"/> Citizen Complaints Filed in Last Two Calendar Years (# 0) <input type="checkbox"/> Notices to Comply Issued in Last Two Calendar Years (# 0) <input checked="" type="checkbox"/> Notices of Violation Issued in Last Two Calendar Years (# 3)		
Comments: NONE.			

# South Coast Air Quality Management District

## Statement of Basis

### Proposed Title V Permit Renewal

**Facility Name:** Martin Luther King Jr./MACC  
**Facility ID:** 2619  
**SIC Code:** 8062  
**Equipment Location:** 12021 S. Wilmington Ave.  
Los Angeles, CA 90059

**Application #(s):** 504382  
**Application Submittal Date(s):** 12/10/09  
**Permit Revision #:** 1  
**Revision Date:**  
**Permit Section(s) Affected:** All

**AQMD Contact Person:** Francisco Escobar  
**Phone Number:** (909) – 396-2503  
**E-Mail Address:** fescobar@aqmd.gov

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#### **1. Introduction and Scope of Permit**

Title V is a national operating permit program for air pollution sources. Facilities subject to Title V must obtain a Title V permit and comply with specific Title V procedures to modify the permit. This permit replaces the facility's other existing permits. Title V does not necessarily include any new requirements for reducing emissions. It does, however, include new permitting, noticing, recordkeeping, and reporting requirements.

Pursuant to Title V of the federal Clean Air Act and AQMD Rule 3004(f), a Title V permit shall expire five years from the date of issuance unless such permit has been renewed. Accordingly, each facility is required to submit a Title V renewal application and request the AQMD to renew their Title V permit. The proposed permit incorporates updates to the facility information provided in the facility's Title V renewal application and all rules and regulations that are currently applicable to the facility.

The AQMD implements Title V through Regulation XXX – Title V Permits, adopted by the AQMD Governing Board in order to comply with EPA's requirement that local air permitting authorities develop a Title V program. Regulation XXX was developed with the participation of the public and affected facilities through a series of public workshops, working group meetings, public hearings and other meetings.

The Title V major source threshold for a particular pollutant depends on the attainment status of the pollutant. NO<sub>2</sub>, SO<sub>2</sub>, CO and lead are in attainment with federal standards.

The status for PM-10 is serious non-attainment. The status for ozone is currently extreme non-attainment.

A Title V permit is proposed to be issued to cover the operations of Martin Luther King Jr./MACC, 12021 S. Wilmington Ave., Los Angeles CA 90059. This facility is subject to Title V requirements because it is a major source.

## **2. Facility Description**

Martin Luther King, Jr./MACC is a Multi-Service Ambulatory Care Center consists of an Urgent Care Center operating approximately 70 specialty Outpatient Clinics. Martin Luther King Jr./MACC is operated by the Los Angeles County Department of Health Services.

This facility is applying for a permit revision and a renewal to their Title V permit. The applicant operates a hospital and has boilers and emergency engines. The revision consists of burner replacements to 3 boilers to low NOX burners.

## **3. Construction and Permitting History**

The facility has been in constant operation with a Title V permit at this location and one permit revision was subsequently issued to this facility.

## **4. Regulatory Applicability Determinations**

Applicable legal requirements for which this facility is required to comply are required to be identified in the Title V permit (for example, Section D, E, and H of the proposed Title V permit). Applicability determinations (i.e., determinations made by the District with respect to what legal requirements apply to a specific piece of equipment, process, or operation) can be found in the Engineering Evaluations. This facility is not subject to any NESHAP requirements.

## **5. Monitoring and Operational Requirements**

Applicable monitoring and operational requirements for which the facility is required to comply are identified in the Title V permit (for example, Section D, F, and J and Appendix B of the proposed Title V permit). Discussion of any applicable monitoring and operational requirements can be found in the Engineering Evaluations. All periodic monitoring requirements were developed using strict adherence to the following applicable documents: SCAQMD Periodic IX Monitoring Guidelines for Title V Facilities (November 1977); CAPCOA/CARB/EPA Region IX Periodic Monitoring Recommendations for Generally Applicable Requirements in SIP (June 1999); and CAPCOA/CARB/EPA Region IX Recommended Periodic Monitoring for Generally Applicable Grain Loading Standards in the SIP: Combustion Sources (July 2001). Compliance Assurance Monitoring (CAM) requirements of 40 CRF Part 64 do not apply to any of the permitted emission sources at this facility.

## **6. Permit Features - *Permit Shield***

A permit shield is an optional part of a Title V permit that gives the facility an explicit protection from requirements that do not apply to the facility. A permit shield is a provision in a permit that states that compliance with the conditions of the permit shall be deemed compliance with all identified regulatory requirements. To incorporate a permit shield into the Title V permit involves submission of applications for change of conditions for each piece of equipment

affected by the permit shield. Permit shields are addressed in Rule 3004 (c). This facility has not applied for a permit shield.

**Streamlining Requirements**

Some emission units may be subject to multiple requirements which are closely related or redundant. The conditions may be streamlined to simplify the permit conditions and compliance. Emission limits, work practice standards, and monitoring, recordkeeping, and reporting requirements may be streamlined. Compliance with a streamlined condition will be deemed compliance with the underlying requirements whether or not the emission unit is actually in compliance with the specific underlying requirement. This facility has not applied for any streamlined conditions.

**7. Summary of Emissions and Health Risks**

**Criteria Pollutant Emissions (tons/year)  
Annual Reported Emissions for Reporting Period 2008/2009**

<b>Pollutant</b>	<b>Emissions (tons/year)</b>
NOx	2.281
CO	2.251
ROG	1.836
PM	0.772
SOx	0.036

**Toxic Air Contaminants Emissions (TAC)  
Annual Reported Emissions for Reporting Period 2006/2007**

<b>The Following TACs Were Reported</b>	<b>Emissions (lbs/yr)</b>
1,3-Butadiene	1.172
Ammonia	928.363
Arsenic	0.009
Benzene	1.296
Cadmium	0.008
Chromium (VI)	0.000
Flurocarb (CL)	1,401.600
Formaldehyde	10.057
Lead (inorganic)	0.048
Naphthalene	0.123
Nickel	0.022
PAHs, total, with components not reported	0.221

### **Health Risk from Toxic Air Contaminants**

The facility is exempt from the Air Toxics Information and Assessment Act (AB2588).

#### **8. Compliance History**

As noted, the facility has been in constant operation with a Title V permit and the facility has been subject to both self-reporting requirements and AQMD inspections. The facility has had no citizen complaints and no Notices to Comply issued in the last two calendar years. Two Notices of Violation were issued in the last two calendar years. The facility is currently in compliance with all applicable rules and regulations and permit conditions.

#### **9. Compliance Certification**

By virtue of the Title V permit application and issuance of this permit, the reporting frequency for compliance certification for the facility shall be annual.



South Coast Air Quality Management District

Form 400-A

Application For Permit To Construct and Permit To Operate

Mail Application To: P.O. Box 4944 Diamond Bar, CA 91765

Tel: (909) 396-3385 www.aqmd.gov

**Section A: Operator Information**

1. Business Name of Operator To Appear On The Permit:  
Martin Luther King Jr./MACC

2. Valid AQMD Facility ID (Available on Permit or Invoice issued by AQMD): 002619

3. Owner's Business Name (only if different from Business Name of Operator):  
Los Angeles County

**Section B: Equipment Location**

4. Equipment Location Address:  
For equipment operated at various locations in AQMD's jurisdiction, provide address of initial site

12021 s. Wilmington Ave  
Street Address

Los Angeles CA, 90059 - 3019  
City State Zip Code

County:  Los Angeles  Orange  San Bernardino  Riverside

Contact Name: Paul Warren  
Contact Title: Chief Stationary Engineer Phone: (310) 668-4011  
Fax: (310) 898-1851 E-Mail: pwarren@isd.lacounty.gov

**Section C: Permit Mailing Address**

5. Permit and Correspondence Information:  
 Check here if same as equipment location address

Street Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Contact Name: \_\_\_\_\_  
Contact Title: \_\_\_\_\_ Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_ E-Mail: \_\_\_\_\_

**Section D: Application-Type** The facility is in  RECLAIM  Title V  RECLAIM & Title V Program (please check if applicable)

6. Reason for Submitting Application (Select only ONE):

- New Construction (Permit to Construct)
- Equipment Operating Without A Permit or Expired Permit\*
- Administrative Change
- Equipment On-Site But Not Constructed or Operational
- Title V Application (Initial, Revisions, Modifications, etc.)
- Compliance Plan
- Facility Permit Amendment
- Registration/Certification
- Streamlined Standard Permit

Permitted Equipment Altered/ Modified Without Permit Approval\*

Proposed Alteration/Modification to Permitted Equipment

Change of Condition For Permit To Operate

Change of Condition For Permit To Construct

Change of Location—Moving to New Site

Existing Or Previous Permit/Application Number:  
(If you checked any of the items in this column, you MUST provide a existing Permit/ Application Number)  
D88044

7. Estimated Start Date of Operation/Construction (MM/DD/YYYY): 11/16/2009

8. Description of Equipment:  
Burner replacement to reduce emissions.

9. Is this equipment portable AND will it be operated at different locations within AQMD's jurisdiction?  No  Yes

10. For identical equipment, how many additional applications are being submitted with this application? (Form 400-A required for each) 2

11. Are you a Small Business as per AQMD's Rule 102 definition? (10 employees or less and total gross receipts are \$500,000 or less, or a not-for-profit training center?)  No  Yes

12. Has a Notice of Violation (NOV) or a Notice To Comply (NC) been issued for this equipment?  No  Yes If yes, provide NOV/NC #: \_\_\_\_\_

\* A Higher Permit Processing Fee applies to those items with an asterisk (Rule 301 (c) (1) (D))

**Section E: Facility Business Information**

13. What type of business is being conducted at this equipment location?  
Medical Acute Care Center

14. What is your businesses primary NAICS Code (North American Industrial Classification System)? 62211

15. Are there other facilities in the SCAQMD jurisdiction operated by the same operator?  No  Yes

16. Are there any schools (K-12) within a 1000-ft. radius of the equipment physical location?  No  Yes

**Section F: Authorization/Signature** I hereby certify that all information contained herein and information submitted with this application is true and correct.

17. Signature of Responsible Official: *Paul Warren*

18. Title: Chief Stationary Engineer

19. Print Name: Paul Warren

20. Date: 10/02/2009

Check List

- Form(s) signed and dated by authorized official
- Supplemental Equipment Form (400-E-XX or 400-E-GEN)
- CEQA Form (400-CEQA) attached
- Payment for permit processing fee attached.

Your application will be rejected if any of the above items are missing.

AQMD USE ONLY		APPLICATION/TRACKING # 503565		TYPE B C D		EQUIPMENT CATEGORY CODE:		FEE SCHEDULE: \$		VALIDATION 11-6-09 AC	
ENG. A R	ENG. A R	CLASS I III IV	ASSIGNMENT Unit	CHECK/MONEY ORDER #	AMOUNT	Tracking #					
DATE	DATE		5 Engineer	10903353	\$8,957.02	84075					

3/3

## FACILITY PERMIT TO OPERATE

**MARTIN LUTHER KING JR/MACC  
12021 S WILMINGTON AVE  
LOS ANGELES, CA 90059**

### 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 MARTIN LUTHER KING JR/MACC

### TABLE OF CONTENTS

Section	Description	Revision #	Date Issued
A	Facility Information	DRAFT	06/23/2010
B	RECLAIM Annual Emission Allocation	DRAFT	06/23/2010
C	Facility Plot Plan	TO BE DEVELOPED	
D	Facility Description and Equipment Specific Conditions	DRAFT	06/23/2010
E	Administrative Conditions	DRAFT	06/23/2010
F	RECLAIM Monitoring and Source Testing Requirements	DRAFT	06/23/2010
G	Recordkeeping and Reporting Requirements for RECLAIM Sources	DRAFT	06/23/2010
H	Permit To Construct and Temporary Permit to Operate	DRAFT	06/23/2010
I	Compliance Plans & Schedules	DRAFT	06/23/2010
J	Air Toxics	DRAFT	06/23/2010
K	Title V Administration	DRAFT	06/23/2010
Appendix			
A	NOx and SOx Emitting Equipment Exempt From Written Permit Pursuant to Rule 219	DRAFT	06/23/2010
B	Rule Emission Limits	DRAFT	06/23/2010

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR/MACC

### SECTION A: FACILITY INFORMATION

**LEGAL OWNER &/OR OPERATOR:** MARTIN LUTHER KING JR/MACC

**LEGAL OPERATOR (if different than owner):**

**EQUIPMENT LOCATION:** 12021 S WILMINGTON AVE  
 LOS ANGELES, CA 90059

**MAILING ADDRESS:** 12021 S WILMINGTON AVE  
 LOS ANGELES, CA 90059

**RESPONSIBLE OFFICIAL:** GEORGE ENGLISH

**TITLE:** DIRECTOR, FACILITIES MANAGEMENT  
 DIVISION

**TELEPHONE NUMBER:** (310) 668-5185

**CONTACT PERSON:** JOHN THOMPSON

**TITLE:** MANAGER I FACILITIES OPERATIONS &  
 CRAFTS

**TELEPHONE NUMBER:** (310) 668-3851

**INITIAL TITLE V PERMIT ISSUED:** May 25, 2005

**TITLE V PERMIT EXPIRATION DATE:** May 24, 2010

<b>TITLE V</b>	<b>RECLAIM</b>
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<b>YES</b>	<b>NOx: NO</b> <b>SOx: NO</b> <b>CYCLE: 0</b> <b>ZONE: COASTAL</b>
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**FACILITY PERMIT TO OPERATE  
MARTIN LUTHER KING JR/MACC**

**SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION**

NOT APPLICABLE

**DRAFT**

**FACILITY PERMIT TO OPERATE  
MARTIN LUTHER KING JR/MACC**

**SECTION C: FACILITY PLOT PLAN**

**DRAFT**  
**(TO BE DEVELOPED)**

**FACILITY PERMIT TO OPERATE  
MARTIN LUTHER KING JR./MACC**

**Facility Equipment and Requirements**  
(Section D)

This section consists of a table listing all permitted equipment at the facility, facility wide requirements, all individual Permits to Construct and Permits to Operate issued to various equipment at the facility, and Rule 219-exempt equipment subject to source-specific requirements. Each permit and Rule 219-exempt equipment will list operating conditions including periodic monitoring requirements, and applicable emission limits and requirements that the equipment is subject to. Also included is the rule origin and authority of each emission limit and permit condition.

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

### PERMITTED EQUIPMENT LIST

THE FOLLOWING IS A LIST OF ALL PERMITS TO CONSTRUCT AND PERMITS TO OPERATE AT THIS FACILITY:

Application number	Permit to Operate number	Equipment description
203235	D18812	ICE (50-500 BHP), EM ELECTRICAL GEN, DIESEL
203236	D18813	ICE (50-500 BHP), EM ELECTRICAL GEN, DIESEL
503563		BOILER, NAT GAS & OIL, > 20=50 MMBTU/HR
503564		BOILER, NAT GAS & OIL, > 20=50 MMBTU/HR
503565		BOILER, NAT GAS & OIL, > 20=50 MMBTU/HR
322747	F5227	ICE (>500 BHP), EM ELECTRICAL, GEN, DIESEL
322761	F5228	ICE (>500 BHP), EM ELECTRICAL, GEN, DIESEL
322762	F5229	ICE (>500 BHP), EM ELECTRICAL, GEN, DIESEL
322763	F5231	ICE (>500 BHP), EM ELECTRICAL, GEN, DIESEL
322764	F5232	ICE (>500 BHP), EM ELECTRICAL, GEN, DIESEL
409585	F57604	ICE (50-500 BHP), EM ELECTRICAL GEN, DIESEL
G02457	P67591	SPRAY BOOTH PAINT & SOLVENT

**NOTE:** EQUIPMENT LISTED ABOVE THAT HAVE NO CORRESPONDING PERMITS TO OPERATE NUMBER ARE ISSUED PERMITS TO CONSTRUCT. THE ISSUANCE OR DENIAL OF THEIR PERMITS TO OPERATE IS SUBJECT TO ENGINEERING FINAL REVIEW. ANY OTHER APPLICATIONS THAT ARE STILL BEING PROCESSED AND HAVE NOT BEEN ISSUED PERMITS TO CONSTRUCT OR PERMITS TO OPERATE WILL NOT BE FOUND IN THIS TITLE V PERMIT.

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

### FACILITY WIDE CONDITION(S)

**Condition(s):**

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 RINGLEMANN 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]
2. THE OPERATOR SHALL ONLY USE DIESEL FUEL WITH A SULFUR CONTENT THAT DOES NOT EXCEED 15 PPM BY WEIGHT, UNLESS THE OPERATOR DEMONSTRATES IN WRITING TO THE EXECUTIVE OFFICER THAT SPECIFIC ADDITIONAL TIME IS NECESSARY.  
[RULE 431.2]

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

### PERMIT TO OPERATE

Permit No.D18812  
A/N 203235

#### Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 7083-7305, SERIAL NO. 8VA319075, DIESEL-FUELED 8 CYLINDERS, TURBOCHARGED, 370 BHP.

#### Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a)]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 30 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.  
[RULE 1304 (a), 1470(C)(3)]
5. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED, DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND SPECIFIC REASON FOR OPERATION AS:
  - A. EMERGENCY USE;
  - B. MAINTENANCE AND TESTING;
  - C. OTHER (DESCRIBE THE REASON FOR OPERATING).

IN ADDITION, EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TOTALIZING HOUR METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND END OF OPERATION.

[RULE 1304 (a)]

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

6. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATING LOG THE FOLLOWING:
- A. THE TOTAL HOURS OF ENGINE OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND
  - B. THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.

THE ENGINE OPERATING LOG SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE CALENDAR YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.

[RULE 1304 (a)]

7. THE OPERATION OF THIS ENGINE BEYOND 30 HOURS PER YEAR FOR MAINTENANCE AND PERFORMANCE 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 UTILITY DISTRIBUTION COMPANY 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 1304 (a)]

8. THE ENGINE SHALL MEET ALL APPLICABLE REQUIREMENTS OF RULE 1470.

[RULE 1470]

### **Emissions And Requirements:**

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR THE EMISSION LIMITS

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

### PERMIT TO OPERATE

Permit No.D18813  
A/N 203236

#### Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 1063-7000, SERIAL NO. 64024475, DIESEL-FUELED, 6 CYLINDERS, NATURALLY ASPIRATED, 215 BHP.

#### Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a)]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 30 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.  
[RULE 1304 (a), 1470(C)(3)]
5. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED, DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND SPECIFIC REASON FOR OPERATION AS:
  - A. EMERGENCY USE;
  - B. MAINTENANCE AND TESTING;
  - C. OTHER (DESCRIBE THE REASON FOR OPERATING).

IN ADDITION, EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TOTALIZING HOUR METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND END OF OPERATION.

[RULE 1304 (a)]

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

6. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATING LOG THE FOLLOWING:
- A. THE TOTAL HOURS OF ENGINE OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND
  - B. THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.

THE ENGINE OPERATING LOG SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE CALENDAR YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.

[RULE 1304 (a)]

7. THE OPERATION OF THIS ENGINE BEYOND 30 HOURS PER YEAR FOR MAINTENANCE AND PERFORMANCE 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 UTILITY DISTRIBUTION COMPANY 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 1304 (a)]

8. THE ENGINE SHALL MEET ALL APPLICABLE REQUIREMENTS OF RULE 1470.  
[RULE 1470]

### **Emissions And Requirements:**

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR THE EMISSION LIMITS

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

### PERMIT TO OPERATE

Permit No.  
A/N 503563

#### Equipment Description:

BOILER NO. 1, CLEAVER BROOKS, FIRE-TUBE TYPE, MODEL NO. CBI-200-800, SERIAL NO. 0L090682, WITH A LOW NOX BURNER, CLEAVER BROOKS, MODEL NO. NTS336LGA-09S-1P, 33,600,000 BTU/HR, NATURAL GAS AND FUEL OIL FIRED BURNER, A 50 H.P. COMBUSTION AIR BLOWER, A FORCED FLUE GAS RECIRCULATION SYSTEM, AND A CLEAVER BROOKS OXYGEN TRIM SYSTEM.

#### Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. FLUE GAS RECIRCULATION SHALL BE IN FULL USE WHENEVER THE BOILER IS IN OPERATION.  
[RULE 1146]
4. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE TOTALIZING FUEL METER FOR EACH FUEL USED IN THIS EQUIPMENT.  
[RULE 1146]
5. THE EXHAUST STACK HEIGHT OF THIS BOILER SHALL BE 50 FEET OR GREATER.  
[RULE 1401]
6. THIS BOILER SHALL BE OPERATED IN FULL COMPLIANCE WITH THE APPLICABLE PROVISIONS OF RULE 1146.  
[RULE 1146]
7. THIS BOILER SHALL BE FIRED WITH NATURAL GAS ONLY, EXCEPT DURING PERIODS OF NATURAL GAS CURTAILMENT, DURING MAINTENANCE TESTING NOT TO EXCEED ½ HOUR.  
[RULE 1303(a)(1)-BACT]
8. THE BURNER SHALL BE EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE THE COMBUSTION AIR AND FUEL AS THE BOILER LOAD VARIES. THIS AUTOMATIC CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED AT LEAST TWICE A YEAR, ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS TO ASSURE ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME BURNER FIRING RATE.  
[RULE 1146]

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

9. THIS BOILER SHALL EMIT NO MORE THAN 9 PPM FOR OXIDES OF NITROGEN (NOX) CALCULATED AS NO<sub>2</sub>, AND 50 PPM OF CARBON MONOXIDE (CO) WHEN FIRING ON NATURAL GAS, AND 40 PPM FOR OXIDES OF NITROGEN (NOX) CALCULATED AS NO<sub>2</sub>, AND 50 PPM OF CARBON MONOXIDE (CO) WHEN FIRING ON FUEL OIL, ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% OXYGEN.  
[RULE 1303 (a)(1) - BACT, RULE 1146]
10. THE OPERATOR SHALL ALSO INSTALL AND MAINTAIN TWO FLOW CHART RECORDERS. ONE RECORDER SHALL CONTINUOUSLY RECORD THE NATURAL GAS BEING MEASURED (IN CUBIC FEET/MIN), AND ANOTHER RECORDER SHALL CONTINUOUSLY RECORD THE FUEL OIL BEING MEASURED (IN CUBIC FEET/MIN), TO ENSURE COMPLIANCE WITH THE FUEL USAGE LIMITS IN CONDITION NO. 15. RECORDS SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.  
[RULE 1146]
11. THE EQUIPMENT SHALL COMPLY WITH THE TUNE-UP REQUIREMENTS OF RULE 1146. RECORDS SHALL BE MAINTAINED OF THE DATE OF EACH TUNE-UP, THE COMPANY PERFORMING THE TUNE-UP, AND THE TUNE-UP CO AND O<sub>2</sub> RESULTS. RECORDS SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.  
[RULE 1146]

### Periodic Monitoring:

12. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE NOX EMISSION LIMIT(S) EITHER BY: (a) CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY FIVE YEARS USING AQMD METHOD 100.1 OR 7.1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 1146 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.  
[RULE 3004 (a)(4)]
13. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE CO EMISSION LIMIT(S) EITHER BY: (a) CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY FIVE YEARS USING AQMD METHOD 100.1 OR 10.1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD.. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 1146 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.  
[RULE 3004 (a)(4)]
14. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSION 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

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

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 EITHER:

- A. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN THE SAME FASHION AS DEVIATIONS ARE REQUIRED TO BE REPORTED IN SECTION K OF THIS PERMIT;

OR

- B. 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.

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 RECORDED BY A CERTIFIED SMOKE READER.  
[RULE 3004 (a)(4)]

### **Emissions And Requirements:**

15. IF THIS BOILER BURNS MORE THAN 200,000,000,000 (200 BILLION) BTUS OF FUEL OIL IN ANY ONE CALENDAR YEAR, THE BOILER OPERATOR SHALL INSTALL AND OPERATE BY MARCH 1 OF THE FOLLOWING YEAR, AN OXIDES OF NITROGEN CONTINUOUS EMISSION MONITORING SYSTEM THAT IS APPROVED BY THE EXECUTIVE OFFICER IN ACCORDANCE WITH RULE 218(b) AND SHALL CONTINUE TO OPERATE IT FOR THE LIFE OF THE BOILER.  
[RULE 1146, 218(b)]
16. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- NO<sub>x</sub>: 30 PPMV, RULE 1146
  - NO<sub>x</sub>: 9 PPMV, RULE 1303 (a)(1) - BACT
  - CO: 400 PPMV, RULE 1146
  - CO: 50 PPMV, RULE 1303 (a)(1) - BACT
  - CO: 2000 PPMV, RULE 407
  - PM: 0.1 GR/SCF, RULE 409

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

### PERMIT TO OPERATE

Permit No.  
A/N 503564

#### Equipment Description:

BOILER NO.2, CLEAVER BROOKS, FIRE-TUBE TYPE, MODEL NO. CB-700-800, SERIAL NO. E90683, WITH A LOW NOX BURNER, CLEAVER BROOKS, MODEL NO. NTS336LGA-09S-1P, 33,600,000 BTU/HR, NATURAL GAS AND FUEL OIL FIRED BURNER, A 50 H.P. COMBUSTION AIR BLOWER, A FORCED FLUE GAS RECIRCULATION SYSTEM, AND A CLEAVER BROOKS OXYGEN TRIM SYSTEM.

#### Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. FLUE GAS RECIRCULATION SHALL BE IN FULL USE WHENEVER THE BOILER IS IN OPERATION.  
[RULE 1146]
4. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE TOTALIZING FUEL METER FOR EACH FUEL USED IN THIS EQUIPMENT.  
[RULE 1146]
5. THE EXHAUST STACK HEIGHT OF THIS BOILER SHALL BE 50 FEET OR GREATER.  
[RULE 1401]
6. THIS BOILER SHALL BE OPERATED IN FULL COMPLIANCE WITH THE APPLICABLE PROVISIONS OF RULE 1146.  
[RULE 1146]
7. THIS BOILER SHALL BE FIRED WITH NATURAL GAS ONLY, EXCEPT DURING PERIODS OF NATURAL GAS CURTAILMENT, DURING MAINTENANCE TESTING NOT TO EXCEED ½ HOUR.  
[RULE 1303(a)(1)-BACT]
8. THE BURNER SHALL BE EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE THE COMBUSTION AIR AND FUEL AS THE BOILER LOAD VARIES. THIS AUTOMATIC CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED AT LEAST TWICE A YEAR, ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS TO ASSURE ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME BURNER FIRING RATE.  
[RULE 1146]

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

9. THIS BOILER SHALL EMIT NO MORE THAN 9 PPM FOR OXIDES OF NITROGEN (NOX) CALCULATED AS NO<sub>2</sub>, AND 50 PPM OF CARBON MONOXIDE (CO) WHEN FIRING ON NATURAL GAS, AND 40 PPM FOR OXIDES OF NITROGEN (NOX) CALCULATED AS NO<sub>2</sub>, AND 50 PPM OF CARBON MONOXIDE (CO) WHEN FIRING ON FUEL OIL, ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% OXYGEN.  
[RULE 1303 (a)(1) - BACT, RULE 1146]

10. THE OPERATOR SHALL ALSO INSTALL AND MAINTAIN TWO FLOW CHART RECORDERS. ONE RECORDER SHALL CONTINUOUSLY RECORD THE NATURAL GAS BEING MEASURED (IN CUBIC FEET/MIN), AND ANOTHER RECORDER SHALL CONTINUOUSLY RECORD THE FUEL OIL BEING MEASURED (IN CUBIC FEET/MIN), TO ENSURE COMPLIANCE WITH THE FUEL USAGE LIMITS IN CONDITION NO. 15. RECORDS SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.  
[RULE 1146]

11. THE EQUIPMENT SHALL COMPLY WITH THE TUNE-UP REQUIREMENTS OF RULE 1146. RECORDS SHALL BE MAINTAINED OF THE DATE OF EACH TUNE-UP, THE COMPANY PERFORMING THE TUNE-UP, AND THE TUNE-UP CO AND O<sub>2</sub> RESULTS. RECORDS SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.  
[RULE 1146]

### Periodic Monitoring:

12. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE NOX EMISSION LIMIT(S) EITHER BY: (a) CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY FIVE YEARS USING AQMD METHOD 100.1 OR 7-1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 1146 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.  
[RULE 3004 (a)(4)]

13. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE CO EMISSION LIMIT(S) EITHER BY: (a) CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY FIVE YEARS USING AQMD METHOD 100.1 OR 10-1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 1146 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.  
[RULE 3004 (a)(4)]

14. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSION 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

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

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 EITHER:

A. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN THE SAME FASHION AS DEVIATIONS ARE REQUIRED TO BE REPORTED IN SECTION K OF THIS PERMIT;

OR

B. 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.

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 RECORDED BY A CERTIFIED SMOKE READER.  
[RULE 3004 (a)(4)]

### Emissions And Requirements:

- 15. IF THIS BOILER BURNS MORE THAN 200,000,000,000 (200 BILLION) BTUS OF FUEL OIL IN ANY ONE CALENDAR YEAR, THE BOILER OPERATOR SHALL INSTALL AND OPERATE BY MARCH 1 OF THE FOLLOWING YEAR, AN OXIDES OF NITROGEN CONTINUOUS EMISSION MONITORING SYSTEM THAT IS APPROVED BY THE EXECUTIVE OFFICER IN ACCORDANCE WITH RULE 218(b) AND SHALL CONTINUE TO OPERATE IT FOR THE LIFE OF THE BOILER.  
[RULE 1146, 218(b)]
- 16. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
  - NO<sub>x</sub>: 30 PPMV, RULE 1146
  - NO<sub>x</sub>: 9 PPMV, RULE 1303 (a)(1) - BACT
  - CO: 400 PPMV, RULE 1146
  - CO: 50 PPMV, RULE 1303 (a)(1) - BACT
  - CO: 2000 PPMV, RULE 407
  - PM: 0.1 GR/SCF, RULE 409

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

### PERMIT TO OPERATE

Permit No.  
A/N 503565

#### Equipment Description:

BOILER NO.3, CLEAVER BROOKS, FIRE-TUBE TYPE, MODEL NO. CB-700-800, SERIAL NO. L90684, WITH A LOW NOX BURNER, CLEAVER BROOKS, MODEL NO. NTS336LGA-09S-1P, 33,600,000 BTU/HR, NATURAL GAS AND FUEL OIL FIRED BURNER, A 50 H.P. COMBUSTION AIR BLOWER, A FORCED FLUE GAS RECIRCULATION SYSTEM, AND A CLEAVER BROOKS OXYGEN TRIM SYSTEM.

#### Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. FLUE GAS RECIRCULATION SHALL BE IN FULL USE WHENEVER THE BOILER IS IN OPERATION.  
[RULE 1146]
4. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE TOTALIZING FUEL METER FOR EACH FUEL USED IN THIS EQUIPMENT.  
[RULE 1146]
5. THE EXHAUST STACK HEIGHT OF THIS BOILER SHALL BE 50 FEET OR GREATER.  
[RULE 1401]
6. THIS BOILER SHALL BE OPERATED IN FULL COMPLIANCE WITH THE APPLICABLE PROVISIONS OF RULE 1146.  
[RULE 1146]
7. THIS BOILER SHALL BE FIRED WITH NATURAL GAS ONLY, EXCEPT DURING PERIODS OF NATURAL GAS CURTAILMENT, DURING MAINTENANCE TESTING NOT TO EXCEED ½ HOUR.  
[RULE 1303(a)(1)-BACT]
8. THE BURNER SHALL BE EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE THE COMBUSTION AIR AND FUEL AS THE BOILER LOAD VARIES. THIS AUTOMATIC CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED AT LEAST TWICE A YEAR, ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS TO ASSURE ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME BURNER FIRING RATE.  
[RULE 1146]

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

9. THIS BOILER SHALL EMIT NO MORE THAN 9 PPM FOR OXIDES OF NITROGEN (NOX) CALCULATED AS NO<sub>2</sub>, AND 50 PPM OF CARBON MONOXIDE (CO) WHEN FIRING ON NATURAL GAS, AND 40 PPM FOR OXIDES OF NITROGEN (NOX) CALCULATED AS NO<sub>2</sub>, AND 50 PPM OF CARBON MONOXIDE (CO) WHEN FIRING ON FUEL OIL, ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% OXYGEN.  
[RULE 1303 (a)(1) - BACT, RULE 1146]

10. THE OPERATOR SHALL ALSO INSTALL AND MAINTAIN TWO FLOW CHART RECORDERS. ONE RECORDER SHALL CONTINUOUSLY RECORD THE NATURAL GAS BEING MEASURED (IN CUBIC FEET/MIN), AND ANOTHER RECORDER SHALL CONTINUOUSLY RECORD THE FUEL OIL BEING MEASURED (IN CUBIC FEET/MIN), TO ENSURE COMPLIANCE WITH THE FUEL USAGE LIMITS IN CONDITION NO. 15. RECORDS SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.  
[RULE 1146]

11. THE EQUIPMENT SHALL COMPLY WITH THE TUNE-UP REQUIREMENTS OF RULE 1146. RECORDS SHALL BE MAINTAINED OF THE DATE OF EACH TUNE-UP, THE COMPANY PERFORMING THE TUNE-UP, AND THE TUNE-UP CO AND O<sub>2</sub> RESULTS. RECORDS SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.  
[RULE 1146]

### Periodic Monitoring:

12. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE NOX EMISSION LIMIT(S) EITHER BY: (a) CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY FIVE YEARS USING AQMD METHOD 100.1 OR 7.1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 1146 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.  
[RULE 3004 (a)(4)]

13. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE CO EMISSION LIMIT(S) EITHER BY: (a) CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY FIVE YEARS USING AQMD METHOD 100.1 OR 10.1 OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 1146 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.  
[RULE 3004 (a)(4)]

14. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSION 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

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

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 EITHER:

A. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN THE SAME FASHION AS DEVIATIONS ARE REQUIRED TO BE REPORTED IN SECTION K OF THIS PERMIT;

OR

B. 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.

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 RECORDED BY A CERTIFIED SMOKE READER.  
[RULE 3004.(a)(4)]

### Emissions And Requirements:

15. IF THIS BOILER BURNS MORE THAN 200,000,000,000 (200 BILLION) BTUS OF FUEL OIL IN ANY ONE CALENDAR YEAR, THE BOILER OPERATOR SHALL INSTALL AND OPERATE BY MARCH 1 OF THE FOLLOWING YEAR, AN OXIDES OF NITROGEN CONTINUOUS EMISSION MONITORING SYSTEM THAT IS APPROVED BY THE EXECUTIVE OFFICER IN ACCORDANCE WITH RULE 218(b) AND SHALL CONTINUE TO OPERATE IT FOR THE LIFE OF THE BOILER.  
[RULE 1146, 218(b)]

16. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

NOx: 30 PPMV, RULE 1146  
NOx: 9 PPMV, RULE 1303 (a)(1) - BACT  
CO: 400 PPMV, RULE 1146  
CO: 50 PPMV, RULE 1303 (a)(1) - BACT  
CO: 2000 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

### PERMIT TO OPERATE

Permit No. F5227  
A/N 322747

#### Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3516 DITA, DIESEL-FUELED, 16 CYLINDERS, TURBOCHARGED, AFTERCOOLED, 2:847-BHP.

#### Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a)]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.  
[RULE 1304 (a), 1470(C)(3)]
5. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED, DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND SPECIFIC REASON FOR OPERATION AS:
  - A. EMERGENCY USE;
  - B. MAINTENANCE AND TESTING;
  - C. OTHER (DESCRIBE THE REASON FOR OPERATING).

IN ADDITION, EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TOTALIZING HOUR METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND END OF OPERATION.

[RULE 1304 (a)]

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

6. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATING LOG THE FOLLOWING:
- A. THE TOTAL HOURS OF ENGINE OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND
  - B. THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.

THE ENGINE OPERATING LOG SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE CALENDAR YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.

[RULE 1304 (a)]

7. THE OPERATION OF THIS ENGINE BEYOND 50 HOURS PER YEAR FOR MAINTENANCE AND PERFORMANCE 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 UTILITY DISTRIBUTION COMPANY 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 1304 (a)]

8. THE ENGINE SHALL MEET ALL APPLICABLE REQUIREMENTS OF RULE 1470.  
[RULE 1470]

### Emissions And Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR THE EMISSION LIMITS

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

### PERMIT TO OPERATE

Permit No. F5228  
A/N 322761

#### Equipment Description:

INTERNAL COMBUSTION ENGINE, CATERPILLAR, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3516 DITA, DIESEL-FUELED, 16 CYLINDERS, TURBOCHARGED, AFTERCOOLED, 2,847 BHP.

#### Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a)]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.  
[RULE 1304 (a), 1470(C)(3)]
5. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED, DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND SPECIFIC REASON FOR OPERATION AS:
  - A. EMERGENCY USE;
  - B. MAINTENANCE AND TESTING;
  - C. OTHER (DESCRIBE THE REASON FOR OPERATING).

IN ADDITION, EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TOTALIZING HOUR METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND END OF OPERATION.

[RULE 1304 (a)]

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

6. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATING LOG THE FOLLOWING:
- A. THE TOTAL HOURS OF ENGINE OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND
  - B. THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.

THE ENGINE OPERATING LOG SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE CALENDAR YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.

[RULE 1304 (a)]

7. THE OPERATION OF THIS ENGINE BEYOND 50 HOURS PER YEAR FOR MAINTENANCE AND PERFORMANCE 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 UTILITY DISTRIBUTION COMPANY 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 1304 (a)]

8. THE ENGINE SHALL MEET ALL APPLICABLE REQUIREMENTS OF RULE 1470.  
[RULE 1470]

### **Emissions And Requirements:**

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR THE EMISSION LIMITS

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

### PERMIT TO OPERATE

Permit No.F5229  
A/N 322762

#### Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL EMERGENCY ELECTRICAL GENERATION, MODEL NO. 12V-149T1B, SERIAL NO. 12E10256, DIESEL-FUELED, 12 CYLINDERS, TURBOCHARGED, AFTERCOOLED, 1,750 BHP.

#### Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a)]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 40 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.  
[RULE 1304 (a), 1470(C)(3)]
5. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED, DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND SPECIFIC REASON FOR OPERATION AS:
  - A. EMERGENCY USE;
  - B. MAINTENANCE AND TESTING;
  - C. OTHER (DESCRIBE THE REASON FOR OPERATING).

IN ADDITION, EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TOTALIZING HOUR METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND END OF OPERATION.

[RULE 1304 (a)]

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

6. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATING LOG THE FOLLOWING:
- A. THE TOTAL HOURS OF ENGINE OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND
  - B. THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.

THE ENGINE OPERATING LOG SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE CALENDAR YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.

[RULE 1304 (a)]

7. THE OPERATION OF THIS ENGINE BEYOND 40 HOURS PER YEAR FOR MAINTENANCE AND PERFORMANCE 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 UTILITY DISTRIBUTION COMPANY 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 1304 (a)]

8. THE ENGINE SHALL MEET ALL APPLICABLE REQUIREMENTS OF RULE 1470.  
[RULE 1470]

### **Emissions And Requirements:**

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR THE EMISSION LIMITS

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

### PERMIT TO OPERATE

Permit No.F5231  
A/N 322763

#### Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL EMERGENCY ELECTRICAL GENERATION, MODEL NO. 12V-149TIB, SERIAL NO. 12E10289, DIESEL-FUELED, 12 CYLINDERS, TURBOCHARGED, AFTERCOOLED, 1,750 BHP.

#### Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a)]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 40 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.  
[RULE 1304 (a), 1470(C)(3)]
5. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED, DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND SPECIFIC REASON FOR OPERATION AS:
  - A. EMERGENCY USE;
  - B. MAINTENANCE AND TESTING;
  - C. OTHER (DESCRIBE THE REASON FOR OPERATING).

IN ADDITION, EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TOTALIZING HOUR METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND END OF OPERATION.

[RULE 1304 (a)]

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

6. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATING LOG THE FOLLOWING:
- A. THE TOTAL HOURS OF ENGINE OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND
  - B. THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.

THE ENGINE OPERATING LOG SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE CALENDAR YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.

[RULE 1304 (a)]

7. THE OPERATION OF THIS ENGINE BEYOND 40 HOURS PER YEAR FOR MAINTENANCE AND PERFORMANCE 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 UTILITY DISTRIBUTION COMPANY 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 1304 (a)]

8. THE ENGINE SHALL MEET ALL APPLICABLE REQUIREMENTS OF RULE 1470.  
[RULE 1470]

### **Emissions And Requirements:**

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR THE EMISSION LIMITS

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

### PERMIT TO OPERATE

Permit No. F5232  
A/N 322764

#### Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 16V-149TI, SERIAL NO. 16E0004733, DIESEL-FUELED, 16 CYLINDERS, TURBOCHARGED, AFTERCOOLED, 1,540 BHP.

#### Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a)]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 40 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.  
[RULE 1304 (a); 1470(C)(3)]
5. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED, DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND SPECIFIC REASON FOR OPERATION AS:
  - A. EMERGENCY USE;
  - B. MAINTENANCE AND TESTING;
  - C. OTHER (DESCRIBE THE REASON FOR OPERATING).

IN ADDITION, EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TOTALIZING HOUR METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND END OF OPERATION.

[RULE 1304 (a)]

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

6. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATING LOG THE FOLLOWING:
- A. THE TOTAL HOURS OF ENGINE OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND
  - B. THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.

THE ENGINE OPERATING LOG SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE CALENDAR YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.

[RULE 1304 (a)]

7. THE OPERATION OF THIS ENGINE BEYOND 40 HOURS PER YEAR FOR MAINTENANCE AND PERFORMANCE 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 UTILITY DISTRIBUTION COMPANY 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 1304 (a)]

8. THE ENGINE SHALL MEET ALL APPLICABLE REQUIREMENTS OF RULE 1470.  
[RULE 1470]

### **Emissions And Requirements:**

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR THE EMISSION LIMITS

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

### PERMIT TO OPERATE

Permit No. P67591  
A/N G02457

#### Equipment Description:

SPRAY BOOTH, BINKS, FLOOR TYPE, 11'-8" W X 7'-0" L X 7'-6" H, WITH 20" X 20" X 2" EXHAUST FILTERS AND ONE 3-HP EXHAUST FAN.

#### Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THIS SPRAY BOOTH SHALL NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST 2 INCHES THICK.  
[RULE 1303(a)(1)-BACT]
4. A GAUGE SHALL BE INSTALLED TO INDICATE IN INCHES OF WATER THE STATIC PRESSURE DIFFERENTIAL ACROSS THE FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL MUST NOT EXCEED 0.25 INCHES OF WATER.  
[RULE 1303(a)(1)-BACT]
5. THIS EQUIPMENT SHALL BE OPERATED IN COMPLIANCE WITH RULES 1107, 1136, AND 1171.  
[RULE 1107, 1136, 1171]
6. THE TOTAL QUANTITY OF COATINGS, THINNERS, REDUCERS AND CLEAN-UP SOLVENTS USED IN THIS EQUIPMENT SHALL NOT EXCEED 6 GALLONS IN ANY ONE DAY.  
[RULE 1303(b)(2)-OFFSET]
7. WITHIN 14 CALENDAR DAYS AFTER THE END OF EACH MONTH, THE OPERATOR SHALL TOTAL AND RECORD VOC AND HAP EMISSIONS FOR THE MONTH FROM ALL EQUIPMENT COVERED BY THE MONTHLY LIMIT. THE RECORD SHALL INCLUDE ANY PROCEDURES USED TO ACCOUNT FOR CONTROL DEVICE EFFICIENCIES AND/OR WASTE DISPOSAL. IT SHALL BE SIGNED AND CERTIFIED BY THE HIGHEST RANKING INDIVIDUAL RESPONSIBLE FOR THE COMPLIANCE OF THE DISTRICT RULES.  
[RULE 109]
8. THE OPERATOR SHALL MAINTAIN A SINGLE LIST WHICH INCLUDES ONLY THE NAME AND ADDRESS OF EACH PERSON FROM WHOM THE FACILITY ACQUIRED VOC AND HAP-CONTAINING MATERIAL REGULATED BY THE DISTRICT THAT WAS USED OR STORED AT THE FACILITY DURING PRECEDING FIVE (5) YEARS.  
[RULE 109]

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

9. THE OPERATOR SHALL RETAIN ALL PURCHASE INVOICES FOR ALL VOC AND HAPS-CONTAINING MATERIAL USED OR STORED AT THE FACILITY AND ALL WASTE MANIFEST FOR VOC AND HAP- CONTAINING MATERIAL REMOVED FROM THE FACILITY, FOR FIVE (5) YEARS.  
[RULE 109]
10. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED AT THE FACILITY FOR FIVE (5) YEARS, AND SHALL BE MADE AVAILABLE TO THE DISTRICT PERSONNEL UPON REQUEST.  
[RULE 109]
11. MATERIAL SAFETY DATA SHEETS FOR ALL COATINGS AND SOLVENTS USED AT THIS FACILITY SHALL BE KEPT CURRENT AND MADE AVAILABLE TO THE DISTRICT PERSONNEL UPON REQUEST.  
[RULE 109]

### Periodic Monitoring:

12. IN ADDITION TO THE REQUIREMENT OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY (AND CALENDER MONTHLY) VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS IN POUNDS AND THE VOC CONTENT OF EACH MATERIAL AS APPLIED (INCLUDING WATER AND EXEMPT COMPOUNDS). ALL RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, SHALL BE RETAINED ON THE PREMISES FOR AT LEAST FIVE YEARS, AND SHALL BE MADE AVAILABLE UPON REQUEST OF THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE.  
[RULE 1303(b)(2)-OFFSET, 1401]

### Emissions And Requirements:

13. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
  - VOC: RULE 109
  - VOC: RULE 1107, SEE APPENDIX B FOR EMISSION LIMITS
  - VOC: RULE 1136, SEE APPENDIX B FOR EMISSION LIMITS
  - VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS
  - PM: RULE 481
  - PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

### PERMIT TO OPERATE

Permit No. F57604  
A/N 409585

#### Equipment Description:

INTERNAL COMBUSTION ENGINE, JOHN DEERE, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 4039D, DIESEL-FUELED, 4 CYLINDERS, NATURALLY ASPIRATED, 66 BHP.

#### Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a)]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 40 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.  
[RULE 1304 (a), 1470(C)(3)]
5. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED, DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND SPECIFIC REASON FOR OPERATION AS:
  - A. EMERGENCY USE;
  - B. MAINTENANCE AND TESTING;
  - C. OTHER (DESCRIBE THE REASON FOR OPERATING).

IN ADDITION, EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TOTALIZING HOUR METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND END OF OPERATION.

[RULE 1304 (a)]

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

6. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATING LOG THE FOLLOWING:
- A. THE TOTAL HOURS OF ENGINE OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND
  - B. THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.

THE ENGINE OPERATING LOG SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE CALENDAR YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE UPON REQUEST.

[RULE 1304 (a)]

7. THE OPERATION OF THIS ENGINE BEYOND 40 HOURS PER YEAR FOR MAINTENANCE AND PERFORMANCE 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 UTILITY DISTRIBUTION COMPANY 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 1304 (a)]

8. THE ENGINE SHALL MEET ALL APPLICABLE REQUIREMENTS OF RULE 1470.

[RULE 1470]

### Emissions And Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR THE EMISSION LIMITS

PM: 0.4 GM/BHP-HR- RULE 1303 (a) (1) - BACT

NOX: 10.0 GM/BHP-HR OR TURBOCHARGED AND 4<sup>0</sup> TIMING RETARD- RULE 1303 (a) (1) - BACT

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

### RULE 219 EQUIPMENT

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, REFRIGERATION AND AIR CONDITIONING UNITS

**Emissions And Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

REFRIGERANT:           RULE 1415  
REFRIGERANT:           40CFR 82 SUBART F

Draft

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

### RULE 219 EQUIPMENT

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING EQUIPMENT

**Emissions And Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

HALON:           RULE 1418

Draft

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

### RULE 219 EQUIPMENT

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, LOW USE SPRAY EQUIPMENT.

**Emissions And Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

Draft

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR./MACC

### RULE 219 EQUIPMENT

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, HEATERS, < 2 MMBTU/HR.

**Emissions And Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: 0.1 gr/scf, RULE 409  
CO: 2000 PPMV, RULE 407  
NOx: 30 PPMV, RULE 1146.2

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR/MACC

### 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]

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR/MACC

### SECTION E: ADMINISTRATIVE CONDITIONS

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 five years. [204]
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].
  - 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 non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes; [204]
  - d. 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]
  - e. 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 a minimum of 15 consecutive minutes. [409]

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR/MACC

### SECTION E: ADMINISTRATIVE CONDITIONS

- f. 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. 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]
- Brief description of the equipment tested.
  - Brief process description, including maximum and normal operating temperatures, pressures, throughput, etc.
  - Operating conditions under which the test will be performed.
  - 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 and stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
  - Brief description of sampling and analytical methods used to measure each pollutant, temperature, flow rates, and moisture.
  - Description of calibration and quality assurance procedures.
  - Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (conflict of interest).
9. 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]
- The results of the source test.

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR/MACC

### SECTION E: ADMINISTRATIVE CONDITIONS

- b. Brief description of the equipment tested.
  - c. Operating conditions under which the test was 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 and 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.
10. 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]
  11. 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  
MARTIN LUTHER KING JR/MACC**

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

NOT APPLICABLE

**DRAFT**

**FACILITY PERMIT TO OPERATE  
MARTIN LUTHER KING JR/MACC**

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

NOT APPLICABLE

DRAFT

**FACILITY PERMIT TO OPERATE  
MARTIN LUTHER KING JR/MACC**

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

NONE

**Draft**

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR/MACC

### 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.

**FACILITY PERMIT TO OPERATE  
MARTIN LUTHER KING JR/MACC**

SECTION J: AIR TOXICS

NOT APPLICABLE

DRAFT

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR/MACC

### 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)]

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR/MACC

### SECTION K: TITLE V Administration

#### 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.
  - (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)]

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR/MACC

### SECTION K: TITLE V Administration

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)]
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)]

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR/MACC

### SECTION K: TITLE V Administration

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 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 MARTIN LUTHER KING JR/MACC

### SECTION K: TITLE V Administration EMERGENCY PROVISIONS

17. An emergency<sup>1</sup> constitutes an affirmative defense to an action brought for noncompliance 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.

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR/MACC

### SECTION K: TITLE V Administration 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.

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR/MACC

### SECTION K: TITLE V Administration

- (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.
- (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;

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR/MACC

### SECTION K: TITLE V Administration

- (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)]

### 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 TitleV application file. [3004(a)(4)]

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR/MACC

### 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 109	5-2-2003	Federally enforceable
RULE 1107	11-9-2001	Federally enforceable
RULE 1136	6-14-1996	Federally enforceable
RULE 1146	5-13-1994	Federally enforceable
RULE 1303(a)-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 1401	12-7-1990	Non federally enforceable
RULE 204	10-8-1993	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 409	8-7-1981	Federally enforceable
RULE 431.1	6-12-1998	Federally enforceable
RULE 431.2	5-4-1990	Federally enforceable
RULE 431.2	9-15-2000	Non federally enforceable
RULE 442	12-15-2000	Federally enforceable
RULE 461, Balance Conditions	1-9-2004	Non federally enforceable

**FACILITY PERMIT TO OPERATE  
MARTIN LUTHER KING JR/MACC**

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

NONE

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## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR/MACC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1107 08-14-1998]

Except as otherwise provided in Rule 1107

(1) VOC Content of Coatings

The operator shall not apply to metal parts and products subject to the provisions of this rule any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below:

<u>Coating</u>	<b>LIMITS</b>			
	<b>Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds</b>			
	<u>Air Dried</u>	<u>(lb/gal)</u>	<u>Baked</u>	<u>(lb/gal)</u>
General	340	(2.8)	275	(2.3)
<u>Effective 3/1/1999</u>				
One-Component	275	(2.3)	275	(2.3)
Multi-Component	340	(2.8)	275	(2.3)
Military Specification	340	(2.8)	275	(2.3)
Etching Filler	420	(3.5)	420	(3.5)
Solar-Absorbent	420	(3.5)	360	(3.0)
Heat-Resistant	420	(3.5)	360	(3.0)
Extreme High-Gloss	420	(3.5)	360	(3.0)
Metallic	420	(3.5)	420	(3.5)
Extreme Performance	420	(3.5)	360	(3.0)
Prefabricated Architectural Component	420	(3.5)	275	(2.3)
Touch Up	420	(3.5)	360	(3.0)
Repair	420	(3.5)	360	(3.0)
Silicone Release	420	(3.5)	420	(3.5)
High-Performance Architectural	420	(3.5)	420	(3.5)
Camouflage	420	(3.5)	420	(3.5)
Vacuum-Metalizing	420	(3.5)	420	(3.5)
Mold-Seal	420	(3.5)	420	(3.5)
High-Temperature	420	(3.5)	420	(3.5)
Electric-Insulating Varnish	420	(3.5)	420	(3.5)
Pan Backing	420	(3.5)	420	(3.5)
Pretreatment Coatings	420	(3.5)	420	(3.5)

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR/MACC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1107 08-14-1998]

- (2) The operator shall not use VOC-containing materials which have a VOC content of more than 200 grams per liter of material for stripping any coating governed by this rule.

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## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR/MACC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1136 06-14-1996]

Except as otherwise provided in Rule 1136

- (a) The operator shall not apply any coating to a wood product which has a VOC content, including any VOC-containing material added to the original coating supplied by the manufacturer, which exceeds the applicable limit specified below:

(1)

<u>COATING</u>	<b>VOC LIMITS</b>		
	Grams Per Liter (lb/gal) of Coating, [lbs VOC/lb of solids], Less Water and Less Exempt Compounds		
	<u>Current Limit</u>		<u>On and After</u> <u>7/1/2005</u>
	I	or	II
Clear Sealers	550 (4.6) [1.39]		680 (5.7) [3.36]
Clear Topcoat	550 (4.6) [1.37]		275 (2.3) [0.35]
Pigmented Primers, Sealers & Undercoats	550 (4.6) [1.06]		600 (5.0) [1.08]
Pigmented Topcoats	550 (4.6) [1.10]		275 (2.3) [0.25]

The operator shall use coatings on a wood product that comply with either all VOC limits in column I or all VOC limits in column II. The operator that applies a primer, sealer or undercoat, but not a topcoat, to a wood product, shall be subject to column I for that wood product.

- (2) Notwithstanding the requirements of clause (a)(1), an operator that applies a topcoat and a primer, sealer or undercoat to a shutter may, until July 1, 2005, choose to comply with the VOC limits specified below for that shutter:

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR/MACC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1136 06-14-1996]

#### VOC LIMITS

Grams Per Liter, (lb/gal) of Coating, [lbs VOC/lb of solids],  
Less Water and Less Exempt Compounds

#### COATING

Clear Sealers	275 (2.3) [0.36]
Clear Topcoat	680 (5.7) [2.99]
Pigmented Primers, Sealers & Undercoats	275 (2.3) [0.33]
Pigmented Topcoats	600 (5.0) [1.38]

(3)

#### VOC LIMITS

Grams Per Liter, (lb/gal) of Coating, [lbs VOC/lb of solids],  
Less Water and Less Exempt Compounds

#### COATING

	<u>Current Limit</u>	<u>On and After 7/1/2005</u>
Barrier Coat - Plastic Components	760 (6.3) [3.9]	275 (2.3) [0.28]
Composite Wood Edge Filler	550 (4.6) [1.15]	275 (2.3) [0.31]
Extreme Performance Coatings	420 (3.5) [0.51]	275 (2.3) [0.33]
Fillers	500 (4.2) [0.66]	275 (2.3) [0.18]
High-Solid Stains	550 (4.6) [1.23]	350 (2.9) [0.42]
Inks	500 (4.2) [0.96]	500 (4.2) [0.96]
Mold-Seal Coatings	750 (6.3) [4.2]	750 (6.3) [4.2]
Multi-Colored Coatings	685 (5.7) [2.6]	275 (2.3) [0.33]

#### VOC LIMITS

Grams Per Liter (lb/gal) of Material

#### COATING

	<u>Current Limit</u>	<u>On and After 7/1/2005</u>
Low-Solids Barrier Coat - Plastic Components	760 (6.3)	120 (1.0)
Low-Solid Stains, Toners, and Washcoats	480 (4.0)	120 (1.0)

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR/MACC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1136 06-14-1996]

Any coating subject to this rule that meets any of the three VOC limit formats (grams per liter, lb/gal, or lbs VOC/lb of solids) is in compliance with this subparagraph.

- (4) The VOC limit for japan coatings is 700 grams per liter of coatings, less water and exempt compounds, as applied.
- (b) A person shall not use a stripper on wood products unless:
- (1) it contains less than 350 grams of VOC per liter of material; or
  - (2) the VOC composite vapor pressure is 2 mm Hg (0.04 psia) or less at 20°C (68°F).

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR/MACC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 06-13-1997]

Except as otherwise provided in Rule 1171, the operator shall not use a solvent to perform solvent cleaning unless the solvent complies with the applicable requirements set forth below:

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS		Effective 1/1/1999	
	VOC g/l (lb/gal)	VOC Composite Partial Pressure mm Hg @ 20°C (68°F)	VOC g/l (lb/gal)	VOC Composite Partial Pressure mm Hg @ 20°C (68°F)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application				
(i) General	70 (0.58)			
(ii) Electronic Components or Medical Devices	900 (7.5)	33		
(B) Repair and Maintenance Cleaning				
(i) General	900 (7.5)	20	50 (0.42)	
(ii) Electrical Apparatus Components	900 (7.5)	20		
(iii) Medical Devices	900 (7.5)	33		

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR/MACC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 06-13-1997]

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS		Effective 1/1/1999	
	VOC g/l (lb/gal)	VOC Composite Partial Pressure mm Hg @ 20°C (68°F)	VOC g/l (lb/gal)	VOC Composite Partial Pressure mm Hg @ 20°C (68°F)
(C) Cleaning of Coatings, or Adhesives Application Equipment	950 (7.9)	35		
(D) Cleaning of Ink Application Equipment				
(i) General	100 (0.83)	3		
(ii) Flexographic or Gravure Printing	100 (0.83)	3		
(iii) Lithographic or Letter Press Printing	900 (7.5)	25		10
(iv) Screen Printing	1070 (8.9)	5		
(v) Ultraviolet Inks (except screen printing)	800 (6.7)	33		
(vi) Specialty Flexographic Printing	810 (6.8)	21		
(E) Cleaning of Polyester Resin Application Equipment	50 (0.42)			
or		1		

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR/MACC

### APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

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	
		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		
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

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR/MACC

### APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

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	
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
50	1766	347	.152	1400	49440	100	.0437
60	2119	324	.141	1500	52970	97	.0424
70	2472	306	.134	1750	61800	92	.0402
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

## FACILITY PERMIT TO OPERATE MARTIN LUTHER KING JR/MACC

### APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter <sup>2</sup> 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		
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

	<b>SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT</b>  <b>ENGINEERING AND COMPLIANCE</b>  <b>APPLICATION PROCESSING AND CALCULATIONS</b>	PAGES	8	PAGE	1
		APPL. NO.	SEE BELOW	DATE	6/24/2010
		PROCESSED BY	F. ESCOBAR	CHECKED BY	ALICE SANTOS

**TITLE V FACILITY PERMIT / PERMIT RENEWAL / *REVISION***

Applicant's Name: MARTIN LUTHER KING JR./MACC (FACILITY ID # 2619)

Mailing Address: 12021 S. WILMINGTON AVE., LOS ANGELES, CA 90059

Equipment Location: SAME

**BACKGROUND:**

The Martin Luther King, Jr. Multi-Service Ambulatory Care Center (MLK-MACC), formerly known as Martin Luther King Jr./Drew Medical Center (King/Drew), is a public urgent care center and outpatient clinic in an unincorporated section of Los Angeles County, California.

MLK-MACC is a Title V facility and they submitted the following applications:

1. Modification - 33.5 mmBTU/hr Boiler - Natural Gas / Fuel Oil fired. - A/N # 503563 (Lead)  
This is a Burner replacement to their Boiler # 1, a Low NOX burner (Ref. P/O D88042).
2. Modification - 33.5 mmBTU/hr Boiler - Natural Gas / Fuel Oil fired. - A/N # 503564  
This is a Burner replacement to their Boiler # 2, a Low NOX burner (Ref. P/O D88043).
3. Modification - 33.5 mmBTU/hr Boiler - Natural Gas / Fuel Oil fired. - A/N # 503565  
This is a Burner replacement to their Boiler # 3, a Low NOX burner (Ref. P/O D88044).
4. Title V Permit Revision - A/N # 508486
5. Title V Permit Renewal - A/N #504382

**EQUIPMENT DESCRIPTION:** - A/N 503563

BOILER NO. 1, CLEAVER BROOKS, FIRE-TUBE TYPE, MODEL NO. CBI-200-800, SERIAL NO. 0L090682, 800 HP, WITH A LOW NOX BURNER, CLEAVER BROOKS, MODEL NO. NTS336LGA-09S-1P, 33,600,000 BTU/HR, NATURAL GAS AND FUEL OIL FIRED BURNER, A 50 H.P. COMBUSTION MR BLOWER, A 20 H.P. FORCED GAS RECIRCULATION SYSTEM, AND A CLEAVER BROOKS OXYGEN TRIM SYSTEM.

**PERMIT CONDITIONS:** - A/N 503563 - (See sample permit)

**EQUIPMENT DESCRIPTION:** - A/N 503564

BOILER NO.2, CLEAVER BROOKS, FIRE-TUBE TYPE, MODEL NO. CB-700-800, SERIAL NO. L90683, 800 HP, WITH A LOW NOX BURNER, CLEAVER BROOKS, MODEL NO. NTS336LGA-09S-1P, 33,600,000 BTU/HR, NATURAL GAS AND FUEL OIL FIRED BURNER, A 50 H.P. COMBUSTION MR BLOWER, A 20 H.P. FORCED GAS RECIRCULATION SYSTEM, AND A CLEAVER BROOKS OXYGEN TRIM SYSTEM.

**PERMIT CONDITIONS:** - A/N 503564 - (See sample permit)

**EQUIPMENT DESCRIPTION:** - A/N 503565

BOILER NO.3, CLEAVER BROOKS, FIRE-TUBE TYPE, MODEL NO. CB-700-800, SERIAL NO. SERIAL NO. L90684, 800 HP, WITH A LOW NOX BURNER, CLEAVER BROOKS, MODEL NO. NTS336LGA-09S-1P, 33,600,000 BTU/HR, NATURAL GAS AND FUEL OIL FIRED BURNER, A 50 H.P. COMBUSTION MR BLOWER, A 20 H.P. FORCED GAS RECIRCULATION SYSTEM, AND A CLEAVER BROOKS OXYGEN TRIM SYSTEM.

**PERMIT CONDITIONS:** - A/N 503565 - (See sample permit)

	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	PAGES	8	PAGE	2
	ENGINEERING AND COMPLIANCE	APPL. NO.	SEE BELOW	DATE	6/24/2010
	APPLICATION PROCESSING AND CALCULATIONS	PROCESSED BY	F. ESCOBAR	CHECKED BY	ALICE SANTOS

**PROCESS DESCRIPTION:** - (See original Evaluation)

**EMISSIONS DUE TO COMBUSTION - CALCULATIONS:** - (each boiler)

Since this is a burner replacement and the burner is being replaced to a Low NOX burner, we need to recalculate NOX emissions.

1. Max. Operating Schedule - Boilers # 1, 2 & 3 (each): 24.0 hr/day 7 day/wk 52 week/yr 8,760 hr/yr
2. Burner rating - Boilers # 1, 2 & 3 (each): 33,600,000 BTU/Hr or 33.60 mmBTU/Hr
3. Default Heating Value of Diesel: 20 lbs/mgal or 137 mmBTU/mgal or 137,000 BTU/gal
4. Heating Value of Amber Oil: <sup>1</sup> 133,500 BTU/gal

$$\text{Exhaust Flow Rate} = 33,600,000 \text{ BTU/hr} \times \frac{9,190 \text{ dscf}}{1,000,000 \text{ BTU}} \times \frac{1 \text{ hr}}{60 \text{ min}} = 5,146.40 \text{ dscf/min}$$

$$= 5,146.40 \frac{\text{dscf}}{\text{min}} \times \frac{60 \text{ min}}{\text{hr}} = 308,784.00 \text{ ft}^3/\text{hr}$$

The following AQMD Default Emission Factors will be used:

1. ROG = 5.50 lb/mmscf SOx = 0.60 lb/mmscf PM = 7.60 lb/mmscf
2. NOx = 9 ppmv <sup>3,4</sup> CO = 50 ppmv <sup>2,3</sup>
3. Table 1 - For External Combustion Equipment

Fuel Type (Fuel Unit)	Organic Gases, (lb/unit)	Nitrogen Oxides, (lb/unit)	Sulfur Oxides, (lb/unit)	Carbon Monoxide, (lb/unit)	Particulate Matter, (lb/unit)
Diesel / Distillate Oil (1000 gal.)	1.32	20.00	7.10	5.00	2.00
Diesel - (low sulfur 15 ppm) / (1000 gal.)	N/A	N/A	0.21579	N/A	N/A

4. Maximum Efficiency per Boiler: 100% Fuel Used: Natural Gas - (Primary); Amber Oil - (Standby)

- Notes:
1. <http://www.dionandsons.com/amber.htm>
  2. Current BACT Emission Limits for Firetube Boilers ≤ 20 mmBTU/HR, Natural Gas or Propane Fired.
  3. Rules 1146 and 1146.1 require that boilers rated >2 and <75 MMBtu/hr meet 9 ppm NOx beginning 1/1/2012.

**Before Modification:**

	<u>Natural Gas</u>	<u>Amber Oil</u>
Burner rating:	33,500,000 BTU/Hr	33,600,000 BTU/Hr
	NOx = 20 ppmv	NOx = 40 ppmv

**After Modification:**

Burner rating:	33,600,000 BTU/Hr	33,600,000 BTU/Hr
	NOx = 9 ppmv	NOx = 40 ppmv

**Natural Gas - Boilers #'s 1, 2 & 3:** - (Each) Nat. gas requirement =  $\frac{33,600,000 \text{ BTU/hr}}{1,050 \text{ BTU/ft}^3} = 32,000.00 \frac{\text{ft}^3}{\text{hr}}$

$$\text{ROG} = 32,000.00 \text{ ft}^3/\text{hr} \times \frac{5.5 \text{ lb/ft}^3}{1,000,000} = 0.176 \text{ lb/hr} = 4.224 \text{ lb/day}$$

$$\text{ROG} = 0.176 \text{ lb/hr} \times 8,760 \text{ hr/yr} = 1,541.76 \text{ lb/yr}$$



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

ENGINEERING AND COMPLIANCE

APPLICATION PROCESSING AND CALCULATIONS

PAGES	8	PAGE	3
APPL. NO.	SEE BELOW	DATE	6/24/2010
PROCESSED BY	F. ESCOBAR	CHECKED BY	ALICE SANTOS

EMISSIONS CALCULATIONS (CONT' D):

$$\text{30-day Ave: ROG} = \frac{0.176 \text{ lbs/hr} \times 730.0 \text{ hr/month}}{30 \text{ day/month}} = 4.283 \text{ lb/day}$$

$$\text{NOx} = 33,600,000 \text{ BTU/hr} \times \frac{8,710 \text{ dscf}}{1,000,000 \text{ BTU}} = 292,656.00 \text{ dscf/hr}$$

$$\text{NOx} = 292,656.00 \text{ dscf/hr} \times \frac{9 \text{ ppm}}{1,000,000} \times \frac{(20.9)}{(20.9 - 3.0)} \times \frac{46 \text{ lb/lb-mole}}{385 \text{ scf/lb-mole}}$$

$$\text{NOx} = 0.367 \text{ lb/hr} = 8.819 \text{ lb/day} = 3,218.80 \text{ lb/yr}$$

$$\text{30-day Ave: NOx} = \frac{0.367 \text{ lbs/hr} \times 730.0 \text{ hr/month}}{30 \text{ day/month}} = 8.941 \text{ lb/day}$$

$$\text{SOx} = 32,000.00 \text{ ft}^3/\text{hr} \times \frac{0.6 \text{ lb/ft}^3}{1,000,000} = 1.920\text{E-}02 \text{ lb/hr} = 0.461 \text{ lb/day}$$

$$\text{SOx} = 1.920\text{E-}02 \text{ lb/hr} \times 8,760 \text{ hr/yr} = 168.19 \text{ lb/yr}$$

$$\text{30-day Ave: SOx} = \frac{0.019 \text{ lbs/hr} \times 730.0 \text{ hr/month}}{30 \text{ day/month}} = 0.467 \text{ lb/day}$$

$$\text{CO} = 33,600,000 \text{ BTU/hr} \times \frac{8,710 \text{ dscf}}{1,000,000 \text{ BTU}} = 292,656.00 \text{ dscf/hr}$$

$$\text{CO} = 292,656.00 \text{ dscf/hr} \times \frac{50 \text{ ppm}}{1,000,000} \times \frac{(20.9)}{(20.9 - 3.0)} \times \frac{28 \text{ lb/lb-mole}}{385 \text{ scf/lb-mole}}$$

$$\text{CO} = 1.24 \text{ lb/hr} = 29.821 \text{ lb/day} = 10,884.84 \text{ lb/yr}$$

$$\text{30-day Ave: CO} = \frac{1.243 \text{ lbs/hr} \times 730.0 \text{ hr/month}}{30 \text{ day/month}} = 30.236 \text{ lb/day}$$

$$\text{PM} = 32,000.00 \text{ ft}^3/\text{hr} \times \frac{7.60 \text{ lb/ft}^3}{1,000,000} = 0.243 \text{ lb/hr} = 5.837 \text{ lb/day}$$

$$\text{PM} = 0.243 \text{ lb/hr} \times 8,760 \text{ hr/yr} = 2,130.43 \text{ lb/yr}$$

$$\text{30-day Ave: PM} = \frac{0.243 \text{ lbs/hr} \times 730.0 \text{ hr/month}}{30 \text{ day/month}} = 5.918 \text{ lb/day}$$

Amber Oil Burner rating: 33,600,000 BTU/Hr NOx = 40 ppmv

$$\text{ROG} = 308,784.00 \text{ ft}^3/\text{hr} \times \frac{1.32 \text{ lb/ft}^3}{1,000,000} = 0.408 \text{ lb/hr} = 9.782 \text{ lb/day}$$

$$\text{ROG} = 0.408 \text{ lb/hr} \times 8,760 \text{ hr/yr} = 3,570.53 \text{ lb/yr}$$



## SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

## ENGINEERING AND COMPLIANCE

## APPLICATION PROCESSING AND CALCULATIONS

PAGES	8	PAGE	4
APPL. NO.	SEE BELOW	DATE	6/24/2010
PROCESSED BY	F. ESCOBAR	CHECKED BY	ALICE SANTOS

**EMISSIONS CALCULATIONS (CONT' D):**

$$\text{30-day Ave: ROG} = \frac{0.408 \text{ lbs/hr} \times 730.0 \text{ hr/month}}{30 \text{ day/month}} = 9.918 \text{ lb/day}$$

$$\text{NOx} = 33,600,000 \text{ BTU/hr} \times \frac{9,190 \text{ dscf}}{1,000,000 \text{ BTU}} = 308,784.00 \text{ dscf/hr}$$

$$\text{NOx} = 308,784.00 \text{ dscf/hr} \times \frac{40 \text{ ppm}}{1,000,000} \times \frac{(20.9)}{(20.9 - 3.0)} \times \frac{46 \text{ lb/lb-mole}}{385 \text{ scf/lb-mole}}$$

$$\text{NOx} = 1.723 \text{ lb/hr} = 41.354 \text{ lb/day} = 15,094.17 \text{ lb/yr}$$

$$\text{30-day Ave: NOx} = \frac{1.723 \text{ lbs/hr} \times 730.0 \text{ hr/month}}{30 \text{ day/month}} = 41.928 \text{ lb/day}$$

$$\text{SOx} = 32,000.00 \text{ ft}^3/\text{hr} \times \frac{0.22 \text{ lb/ft}^3}{1,000,000} = 6.905\text{E-}03 \text{ lb/hr} = 0.166 \text{ lb/day}$$

$$\text{SOx} = 6.905\text{E-}03 \text{ lb/hr} \times 8,760 \text{ hr/yr} = 60.49 \text{ lb/yr}$$

$$\text{30-day Ave: SOx} = \frac{0.019 \text{ lbs/hr} \times 730.0 \text{ hr/month}}{30 \text{ day/month}} = 0.467 \text{ lb/day}$$

$$\text{CO} = 33,600,000 \text{ BTU/hr} \times \frac{8,710 \text{ dscf}}{1,000,000 \text{ BTU}} = 292,656.00 \text{ dscf/hr}$$

$$\text{CO} = 308,784.00 \text{ dscf/hr} \times \frac{50 \text{ ppm}}{1,000,000} \times \frac{(20.9)}{(20.9 - 3.0)} \times \frac{28 \text{ lb/lb-mole}}{385 \text{ scf/lb-mole}}$$

$$\text{CO} = 1.31 \text{ lb/hr} = 31.465 \text{ lb/day} = 11,484.69 \text{ lb/yr}$$

$$\text{30-day Ave: CO} = \frac{1.311 \text{ lbs/hr} \times 730.0 \text{ hr/month}}{30 \text{ day/month}} = 31.902 \text{ lb/day}$$

$$\text{PM} = 308,784.00 \text{ ft}^3/\text{hr} \times \frac{2.00 \text{ lb/ft}^3}{1,000,000} = 0.618 \text{ lb/hr} = 14.822 \text{ lb/day}$$

$$\text{PM} = 0.618 \text{ lb/hr} \times 8,760 \text{ hr/yr} = 5,409.90 \text{ lb/yr}$$

$$\text{30-day Ave: PM} = \frac{0.243 \text{ lbs/hr} \times 730.0 \text{ hr/month}}{30 \text{ day/month}} = 5.918 \text{ lb/day}$$

**REVIEW OF IC ENGINE PM EMISSION PER RULE 1470:****Existing Equipment - A/N 203235, P/O D18812:**

INTERNAL COMBUSTION ENGINE, DETROIT, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 7083-7305, SERIAL NO. 8VA319075, DIESEL-FUELED 8 CYLINDERS, TURBOCHARGED, 370 BHP.



PAGES	8	PAGE	5
APPL. NO.	SEE BELOW	DATE	6/24/2010
PROCESSED BY	F. ESCOBAR	CHECKED BY	ALICE SANTOS

**EMISSIONS CALCULATIONS (CONT' D):**

This IC Engine currently has the following permit condition:

THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.

After reviewing the original engineering evaluation referenced above, I determined that this engine was permitted in 1990, after the 1988 Rule 219 rule amendment. PM emissions calculated were:

$$PM = 0.335 \frac{\text{lb}}{\text{hr}} \Rightarrow PM = 0.335 \frac{\text{lb}}{\text{hr}} \times \frac{453.59 \text{ gram}}{\text{lb}} \times \frac{1}{370 \text{ BHP}} = 0.411 \text{ g/bhp-hr}$$

Since  $PM > 0.4 \text{ g/bhp-hr}$  we need to change the hours of maintenance and testing from 50 to 20 hrs /yr. Since this is a hospital, we can increase this to 30 hrs.

**Existing Equipment - A/N 203236, P/O D18813:**

INTERNAL COMBUSTION ENGINE, DETROIT, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 1063-7000, SERIAL NO. 64024475, DIESEL-FUELED, 6 CYLINDERS, NATURALLY ASPIRATED, 215 BHP.

This IC Engine currently has the following permit condition:

THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.

After reviewing the original engineering evaluation referenced above, I determined that this engine was permitted in 1990, after the 1988 Rule 219 rule amendment. PM emissions calculated were:

$$PM = 0.235 \frac{\text{lb}}{\text{hr}} \Rightarrow PM = 0.235 \frac{\text{lb}}{\text{hr}} \times \frac{453.59 \text{ gram}}{\text{lb}} \times \frac{1}{215 \text{ BHP}} = 0.496 \text{ g/bhp-hr}$$

Since  $PM > 0.4 \text{ g/bhp-hr}$  we need to change the hours of maintenance and testing from 50 to 20 hrs /yr. Since this is a hospital, we can increase this to 30 hrs.

**Existing Equipment - A/N 322764, P/O F5232:** - (This refers to an older Permit - P/O D2564, A/N 203234)

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 16V-149TI, SERIAL NO. 16E0004733, DIESEL-FUELED, 16 CYLINDERS, TURBOCHARGED, AFTERCOOLED,

This IC Engine currently has the following permit condition:

THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.

After reviewing the original engineering evaluation referenced above, I determined that this engine was permitted in 1990, after the 1988 Rule 219 rule amendment. PM emissions calculated were:

$$PM = 0.850 \frac{\text{lb}}{\text{hr}} \Rightarrow PM = 0.850 \frac{\text{lb}}{\text{hr}} \times \frac{453.59 \text{ gram}}{\text{lb}} \times \frac{1}{1540 \text{ BHP}} = 0.250 \text{ g/bhp-hr}$$



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

ENGINEERING AND COMPLIANCE

APPLICATION PROCESSING AND CALCULATIONS

PAGES	8	PAGE	6
APPL. NO.	SEE BELOW	DATE	6/24/2010
PROCESSED BY	F. ESCOBAR	CHECKED BY	ALICE SANTOS

EMISSIONS CALCULATIONS (CONT' D):

Since PM ≤ 0.40 g/bhp-hr we need to change the hours of maintenance and testing from 50 to 30 hrs /yr. However, since this is a hospital, we will allow them 40 hrs /yr.

As for the following IC Engines, I found the following:

- IC Engine - P/O F5227, A/N 322747 it references Cert. Permit A/N 281980, PM = 0.09 g/bhp-hr
- IC Engine - P/O F5228, A/N 322761 it references Cert. Permit A/N 281980, PM = 0.09 g/bhp-hr
- IC Engine - P/O F5229, A/N 322762 it references Cert. Permit A/N 294172, PM = 0.35 g/bhp-hr
- IC Engine - P/O F5231, A/N 322763 it references Cert. Permit A/N 294172, PM = 0.35 g/bhp-hr
- IC Engine - P/O F57604, A/N 409585 calculated PM = 0.22 g/bhp-hr

Since PM for P/O F57604 ≤ 0.4 g/bhp-hr, we need to change the hours of maintenance and testing from 50 to 30 hrs /yr. However, since this is a hospital, we will allow them 40 hrs /yr.

Per a discussion with Andrew Lee and John Furlong of SCEC, consultant for Martin Luther King and myself on 6/18/2010, we agreed to increase the yearly hrs for maintenance and testing to 40 hrs/yr (if PM is less ≤ 0.4 g/bhp-hr), since this is a hospital and the rule allows an additional 10 hours.

Permits F5227 & F5228 currently are allowed 50 hrs per year for maintenance and testing. The hours will remain the same. Permits F5229 & F5231 currently are allowed to operate 50 hours per year for maintenance and testing. This will be changed to 30 hours per year. But as we have stated above, this will be increased to 40 hrs/yr.

Also, the permit language will be updated to include the monthly hour limit for maintenance and testing per Rule 1470 on all IC Engines.

HEALTH RISK ASSESSMENT - TIER - I & II ANALYSIS: - (See attachment)

EMISSIONS SUMMARY: - (Using Natural Gas)

A/N: 503563 - Boiler # 1		HOURLY lb/hr	DAILY lb/day	30 DAY AVE lb/day	30 DAY NSR lb/day	ANNUAL lb/yr
R1 = R2	ROG	0.1760	4.22	4.28	4.00	1,541.76
R1 = R2	NOx	0.3674	8.82	8.94	9.00	3,218.80
R1 = R2	SOx	0.0192	0.46	0.47	0.00	168.19
R1 = R2	CO	1.2426	29.82	30.24	30.00	10,884.84
R1 = R2	PM	0.2432	5.84	5.92	6.00	2,130.43

A/N: 503564 - Boiler # 2		HOURLY lb/hr	DAILY lb/day	30 DAY AVE lb/day	30 DAY NSR lb/day	ANNUAL lb/yr
R1 = R2	ROG	0.1760	4.22	4.28	4.00	1,541.76
R1 = R2	NOx	0.3674	8.82	8.94	9.00	3,218.80
R1 = R2	SOx	0.0192	0.46	0.47	0.00	168.19
R1 = R2	CO	1.2426	29.82	30.24	30.00	10,884.84
R1 = R2	PM	0.2432	5.84	5.92	6.00	2,130.43



PAGES	8	PAGE	7
APPL. NO.	SEE BELOW	DATE	6/24/2010
PROCESSED BY	F. ESCOBAR	CHECKED BY	ALICE SANTOS

EMISSIONS SUMMARY (CONT' D):

A/N: 503565 - Boiler # 3		HOURLY lb/hr	DAILY lb/day	30 DAY AVE lb/day	30 DAY NSR lb/day	ANNUAL lb/yr
R1 = R2	ROG	0.1760	4.22	4.28	4.00	1,541.76
R1 = R2	NOx	0.3674	8.82	8.94	9.00	3,218.80
R1 = R2	SOx	0.0192	0.46	0.47	0.00	168.19
R1 = R2	CO	1.2426	29.82	30.24	30.00	10,884.84
R1 = R2	PM	0.2432	5.84	5.92	6.00	2,130.43

RULES EVALUATION:

- Rule 212 Standards for Approving Permits** - This equipment is in compliance with the following sections:
- 212(c)(1) - This equipment is not located within 1,000 ft from the outer boundary of a school.
- 212(c)(2) - Emissions from this equipment is below the daily threshold limits.
- 212(c)(3) - As the Tier-II Risk Assessment for the Boiler (see attachment) shows, the Cancer Risk is far below 1 in a million for both Commercial and Residential site receptors.
- Rule 401 Visible Emissions** - Compliance is expected from well maintained and properly operated equipment.
- Rule 402 Public Nuisance** - No nuisance is expected from well maintained equipment.
- Rule 407 Liquid and Gaseous Air Contaminants** - Limit in the rule is 2000 ppm. Compliance is expected.
- Rule 409 Combustion Contaminants** - Compliance is expected.
- Rule 431.1 Sulfur Content of Gaseous Fuels** - The owner will buy gas from a gas utility company that must sell gas with less than 16 ppm of sulfur compounds (calculated as H<sub>2</sub>S). Compliance is expected with this rule.
- Rule 431.2 Sulfur Content of Liquid Fuels** - The Boilers are dual fueled (they use natural gas as primary fuel and diesel as back-up fuel). The diesel fuel used for this equipment shall be low sulfur diesel, for which the sulfur content shall not exceed 15 ppm by weight as supplied by the supplier. Compliance is expected.
- Rule 1146 Emissions of Oxides of Nitrogen From Industrial, Institutional, and Commercial Boilers, and Commercial Boilers, Steam Generators, and Process Heaters** - Compliance with Rule 1146 concentration limits of 20 ppmv for NOx and 50 ppmv for CO is expected when firing with natural gas, and 40 ppmv for NOx and 50 ppmv for CO is expected when firing with fuel oil. This will be verified due to Source Test Requirements specified by this rule.
- Please note: Rules 1146 and 1146.1 require that boilers rated >2 and <75 MMBtu/hr meet 9 ppm NOx beginning 1/1/2012.
- Rule 1303 (a)(1) - Best Available Control Technology (BACT) - Requirements for Boilers:**
- Due to these modifications, these firetube boilers are now subject to BACT and must meet the 9 ppm NOx limit and the 50 ppm CO limit. As stated above, these boiler meets Rule 1146's 9 ppm NOx

	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT		PAGES	8	PAGE	8
	ENGINEERING AND COMPLIANCE		APPL. NO.	SEE BELOW	DATE	6/24/2010
			PROCESSED BY	F. ESCOBAR	CHECKED BY	ALICE SANTOS
	APPLICATION PROCESSING AND CALCULATIONS					

**RULES EVALUATION (CONT' D):**

These boilers will be permitted and will be Source Tested to confirm compliance with both the BACT and permit requirements.

**1303(b)(1)** - The calculated emissions from the operation of the boilers are below the limits allowed as specified in Appendix A, Table A-1 of this rule as shown below (Except for NOx):

( Combustion Sources > 30 mmBTU/hr but ≤ 40 mmBTU/hr)

	Limit	Actual	Compliance		
NOx	1.31 lbs/hr	0.0000 lbs/hr	Yes	Modeling is not Required	
CO	72.10 lbs/hr	0.0000 lbs/hr	Yes	Modeling is not Required	- Each Boiler
PM <sub>10</sub>	7.90 lbs/hr	0.0000 lbs/hr	Yes	Modeling is not Required	

**1303(b)(2)(A) - Offsets** - The Boilers are exempt from offsets per Rule 1304(c)(5) - Regulatory Compliance for Essential Public Services.

**Rule 1401** **Toxics and other Non-Criteria Pollutants** - A Tier II Health Risk Assessment was performed for the boiler, the results are shown below:

**For the Boilers, the following are the results:**

Assuming the worse case, 25 meters for both the residential and commercial site receptors:

Residential MICR =  $5.15 \times 10^{-7}$  which is under 1 in a million - (Each Boiler)  
 Commercial MICR =  $5.33 \times 10^{-8}$  which is under 1 in a million - (Each Boiler)

The Hazard Index yielded the following:

Total HIA = 2.21E-02 which is under 1.0, Total for all Target Organs - (Each Boiler)  
 Total HIC = 1.40E-02 which is under 1.0, Total for all Target Organs - (Each Boiler)

**CONCLUSIONS AND RECOMMENDATIONS:**

I recommend that we proceed and issue the revision and Renewal concurrently to Martin Luther King, Jr. Multi-Service Ambulatory Care Center's Title V Facility Permit, following a 45-day EPA review.



# South Coast Air Quality Management District

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

July 2, 2010

Mr. George English  
Facilities Management Director  
Martin Luther King Jr- MACC  
12021 S. Wilmington Ave.  
Los Angeles, CA 90059

Re: Transmittal of Proposed Title V Renewal  
Martin Luther King Jr.- MACC  
12021 S. Wilmington Ave.  
Los Angeles, CA 90059  
Facility ID 2619

Dear Mr. English:

The South Coast Air Quality Management District (AQMD) will place a notice in the *The Press Telegram* that will appear on July 9, 2010. This notice allows the public the opportunity to comment on your facility's proposed Title V permit. The public comment period begins on July 9, 2010 and ends on August 8, 2010. Enclosed are copies of the public notice and proposed Title V permit for your facility.

If you have any questions or need additional information, please contact Mr. Francisco Escobar at (909) 396-2503 or [fescobar@aqmd.gov](mailto:fescobar@aqmd.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'Brian L. Yeh', is written over a horizontal line.

Brian L. Yeh  
Senior Manager  
General Commercial and Energy Team  
Engineering and Compliance

BLY:AL:ABS:FLE

Enclosures:  
Facility Permit  
Public Notice



# South Coast Air Quality Management District

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

July 2, 2010

Ms. Alice Tang  
Willowbrook Public Library  
11838 Wilmington Avenue  
Los Angeles, CA 90059

SUBJECT: Title V Permit Renewal  
Martin Luther King Jr. - MACC  
12021 S. Wilmington Ave.  
Los Angeles, CA 90059

Dear Ms. Tang:

Enclosed is a copy of the proposed Title V permit for the Martin Luther King Jr. - MACC located at 12021 S. Wilmington Ave., CA 90059. Please make this information available to the public for review in your library until August 8, 2010.

Under AQMD Rule 3006 Title V permits up for renewal are subject to a 30 day public review and comment period, and the facilities are required to inform the surrounding area of the proposed permit renewal. The AQMD is the agency that monitors facilities to insure that they comply with the requirements of air pollution control laws.

If you have any questions concerning this information, please contact Mr. Francisco Escobar at (909) 396-2503 or [fescobar@aqmd.gov](mailto:fescobar@aqmd.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'Brian L. Yeh', is written over a horizontal line.

Brian L. Yeh, P.E.  
Senior Manager  
General Commercial and Energy Team  
Engineering and Compliance

BLY:AL:ABS:FLE

Enclosures



# South Coast Air Quality Management District

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

July 2, 2010

Bahram Fazeli  
Staff Scientist  
Communities for a Better Environment  
5610 Pacific Boulevard, Suite 203  
Huntington Park, CA 90255

SUBJECT: Transmittal of Proposed Title V Renewal Permit  
Martin Luther King Jr. - MACC  
12021 S. Wilmington Ave.  
Los Angeles, CA 90059  
Facility ID 2619

Dear Mr. Fazeli:

The South Coast Air Quality Management District will open a thirty-day public comment period for a Proposed Renewal of Title V Permit. Enclosed is a copy of the permit summary, and the public notice.

Questions on the Statement of Basis of the proposed permit should be directed to Mr. Francisco Escobar, Air Quality Engineer, at (909) 396-2503 or [fescobar@aqmd.gov](mailto:fescobar@aqmd.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'Brian L. Yeh', is written over a diagonal line that extends from the signature area down towards the typed name.

Brian L. Yeh  
Senior Manager  
General Commercial and Energy Team  
Engineering and Compliance

BLY:AL:ABS:FLE

Enclosure



# South Coast Air Quality Management District

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

July 2, 2010

Mr. Adrian Martinez  
Project Attorney  
Natural Resources Defense Council  
1314 2<sup>nd</sup> Street  
Santa Monica, CA 90401

SUBJECT: Transmittal of Proposed Title V Renewal Permit  
Martin Luther King Jr. - MACC  
12021 S. Wilmington Ave.  
Los Angeles, CA 90059  
Facility ID 2619

Dear Mr. Grabiell:

The South Coast Air Quality Management District will open a thirty-day public comment period for a Proposed Renewal of Title V Permit. Enclosed is a copy of the permit summary, and the public notice.

Questions on the Statement of Basis of the proposed permit should be directed to Mr. Francisco Escobar, Air Quality Engineer, at (909) 396-2503 or [fescobar@aqmd.gov](mailto:fescobar@aqmd.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'Brian L. Yeh', is written over a horizontal line.

Brian L. Yeh  
Senior Manager  
General Commercial and Energy Team  
Engineering and Compliance

BLY:AL:ABS:FLE

Enclosure



# South Coast Air Quality Management District

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



July 2, 2010

Robina Suwol  
Executive Director  
California Safe Schools  
5925 Tobias Avenue  
Van Nuys, CA 91411

SUBJECT: Transmittal of Proposed Title V Renewal Permit  
Martin Luther King Jr. - MACC  
12021 S. Wilmington Ave.  
Los Angeles, CA 90059  
Facility ID 2619

Dear Ms. Suwol:

The South Coast Air Quality Management District will open a thirty-day public comment period for a Proposed Renewal of Title V Permit. Enclosed is a copy of the permit summary, and the public notice.

Questions on the Statement of Basis of the proposed permit should be directed to Mr. Francisco Escobar, Air Quality Engineer, at (909) 396-2503 or [fescobar@aqmd.gov](mailto:fescobar@aqmd.gov).

Sincerely,

Brian L. Yeh  
Senior Manager  
General Commercial and Energy Team  
Engineering and Compliance

BLY:AL:ABS:FLE

Enclosure