

FACILITY PERMIT TO OPERATE

**MM WEST COVINA LLC
2210 S AZUSA AVE
WEST COVINA, CA 91792**

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 MM WEST COVINA LLC

TABLE OF CONTENTS

Section	Description	Revision #	Date Issued
A	Facility Information	DRAFT	12/22/2009
B	RECLAIM Annual Emission Allocation	DRAFT	12/22/2009
C	Facility Plot Plan	TO BE DEVELOPED	
D	Facility Description and Equipment Specific Conditions	DRAFT	12/22/2009
E	Administrative Conditions	DRAFT	12/22/2009
F	RECLAIM Monitoring and Source Testing Requirements	DRAFT	12/22/2009
G	Recordkeeping and Reporting Requirements for RECLAIM Sources	DRAFT	12/22/2009
H	Permit To Construct and Temporary Permit to Operate	DRAFT	12/22/2009
I	Compliance Plans & Schedules	DRAFT	12/22/2009
J	Air Toxics	DRAFT	12/22/2009
K	Title V Administration	DRAFT	12/22/2009
Appendix			
A	NOx and SOx Emitting Equipment Exempt From Written Permit Pursuant to Rule 219	DRAFT	12/22/2009
B	Rule Emission Limits	DRAFT	12/22/2009

FACILITY PERMIT TO OPERATE MM WEST COVINA LLC

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: MM WEST COVINA LLC

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 2210 S AZUSA AVE
WEST COVINA, CA 91792-1510

MAILING ADDRESS: 3005 DOUGLAS BLVD SUITE 105
ROSEVILLE, CA 95661

RESPONSIBLE OFFICIAL: ANTHONY FALBO

TITLE: VICE PRESIDENT & GENERAL MANAGER

TELEPHONE NUMBER: (716) 439-1004

CONTACT PERSON: JERRY PULVER

TITLE: PLANT MANAGER

TELEPHONE NUMBER: (626) 854-2744

TITLE V PERMIT ISSUED: December 22, 2009

TITLE V PERMIT EXPIRATION DATE: December 21, 2014

TITLE V	RECLAIM
YES	NOx: NO SOx: NO CYCLE: 0 ZONE: INLAND

**FACILITY PERMIT TO OPERATE
MM WEST COVINA LLC**

SECTION B: RECLAIM Annual Emission Allocation

NOT APPLICABLE

**FACILITY PERMIT TO OPERATE
MM WEST COVINA LLC**

SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)

FACILITY PERMIT TO OPERATE MM WEST COVINA, LLC

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 MM WEST COVINA, LLC

PERMITTED EQUIPMENT LIST

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

Application No.	Permit to Operate No.	Equipment Description	Page No.
333247	F24431	TURBINE ENGINE (5.7 MW) LANDFILL GAS	4
349805	F19506	BOILER (115 MMBTU/HR) LANDFILL GAS	7
448958	TBD will supersede F19506	BOILER (115 MMBTU/HR) LANDFILL GAS	11
502057	TBD will supersede F24431	TURBINE ENGINE (5.7 MW) LANDFILL GAS	14

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 MM WEST COVINA, LLC

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 NOT USE FUEL OIL CONTAINING SULFUR COMPOUNDS IN EXCESS OF 0.05 PERCENT BY WEIGHT. ON OR AFTER JUNE 1, 2004, A PERSON SHALL NOT PURCHASE ANY DIESEL FUEL FOR STATIONARY SOURCE APPLICATION IN THE DISTRICT, UNLESS THE FUEL IS LOW SULFUR DIESEL FOR WHICH THE SULFUR CONTENT SHALL NOT EXCEED 15 PPM BY WEIGHT AS SUPPLIED BY THE SUPPLIER.
[RULE 431.2]
3. THE OPERATOR SHALL NOT USE LANDFILL GAS CONTAINING SULFUR COMPOUNDS IN EXCESS OF 150 PPMV CALCULATED AS HYDROGEN SULFIDE AVERAGED DAILY.
[RULE 431.1]
4. THIS FACILITY IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

GASEOUS EMISSIONS: RULE 1150.1, 40 CFR 60 SUBPART WWW, 40 CFR 63 SUBPART AAAA

FACILITY PERMIT TO OPERATE MM WEST COVINA, LLC

PERMIT TO OPERATE

Permit No. F24431
A/N 333247

Equipment Description:

RESOURCE RECOVERY LANDFILL GAS (LFG) TO ENERGY SYSTEM CONSISTING OF:

1. TWO (2) COMPRESSORS, LFG, MYCOM, ROTARY TYPE, 1,250 HP EACH (ONE STAND BY).
2. TWO (2) HEAT EXCHANGERS WITH ASSOCIATED COOLING TOWER AND A REHEAT HEAT EXCHANGER.
3. FILTER COALESCER AND A 3 MICRON PARTICULATE FILTER.
4. GAS TURBINE, SOLAR TAURUS, MODEL 60, LFG FIRED, 63 MMBTU PER HOUR, WITH AN EVAPORATIVE COOLER AND AN ELECTRIC STARTER, DRIVING A 5,700 KILOWATT ELECTRIC GENERATOR.
5. EXHAUST STACK, 5'-11" DIA. BY 34'-3" HIGH.

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 EQUIPMENT SHALL BE OPERATED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]
4. THIS EQUIPMENT SHALL BE FIRED ONLY WITH LANDFILL GAS.
[RULE 204, 1303 (b) (2) -OFFSET]
5. A FLOW INDICATING AND RECORDING DEVICE SHALL BE INSTALLED IN THE LANDFILL GAS SUPPLY LINE TO THE GAS TURBINE TO MEASURE AND RECORD THE QUANTITY OF LANDFILL GAS (IN SCFM) BEING BURNED.
[RULE 1150.1, 1303 (b) (2) -OFFSET]

FACILITY PERMIT TO OPERATE MM WEST COVINA, LLC

6. THE TOTAL HEAT INPUT OF LANDFILL GAS BURNED IN THE GAS TURBINE SHALL NOT EXCEED 63 MM BTU PER HOUR (LHV A 450 BTU/SCF). A LOG SHALL BE KEPT INDICATING THE TOTAL HEATING VALUE OF LANDFILL GAS BURNED IN THE GAS TURBINE BASED ON THE RECORDED FLOW RATE (SCFM) AND THE LATEST WEEKLY BTU CONTENT READING.
[RULE 1303(b) (2)-OFFSET]
7. WEEKLY READINGS OF THE BTU CONTENT OF LANDFILL GAS AT THE INLET TO THE GAS TURBINE SHALL BE TAKEN USING AN INSTRUMENT APPROVED BY THE AQMD. ALL RESULTS SHALL BE RECORDED.
[RULE 1303(b) (2)-OFFSET]
8. ALL RECORDING DEVICES SHALL BE SYNCHRONIZED WITH RESPECT TO THE TIME OF DAY.
[RULE 204]
9. LANDFILL GAS NOT UTILIZED BY THE GAS TURBINE SHALL BE BURNED IN A LANDFILL GAS FLARING SYSTEM, OR BOILER, WHICH HAS BEEN ISSUED A VALID PERMIT BY THE AQMD.
[RULE 1150.1, 1303(a)(1)-BACT, 40CFR60 SUBPART WWW]
10. SAMPLING PORTS SHALL BE PROVIDED IN THE GAS TURBINE EXHAUST STACK, 8-10 DUCT DIAMETERS DOWNSTREAM AND 2 DUCT DIAMETERS UPSTREAM OF ANY FLOW DISTURBANCE. AT EACH LOCATION, TWO SAMPLING PORTS 90 DEGREES APART SHALL BE PROVIDED AND SHALL CONSIST OF 4 INCH WELDED NIPPLES WITH CAPS. SAFETY ACCESS TO THE SAMPLING PORTS SHALL BE PROVIDED BY THE APPLICANT.
[RULE 217]
11. EMISSIONS FROM THE GAS TURBINE EXHAUST SHALL NOT EXCEED THE FOLLOWING:
- | CONTAMINANT | LBS/HR |
|-----------------|--------|
| TGNMOC (AS CH4) | 1.55 |
| NOX (AS N02) | 4.46 |
| SOX (AS S02) | 1.04 |
| CO | 14.79 |
| PM | 1.22 |
- [RULE 1303(a) (1)-BACT, 1303(b)(2)-OFFSET]
12. EMISSIONS OF OXIDES OF NITROGEN SHALL NOT EXCEED 25 PPMV, AND CARBON MONOXIDE SHALL NOT EXCEED 130 PPMV, BOTH CALCULATED AT 15% O2, DRY.
[RULE 1303(a) (1)-BACT]
13. THE GAS TURBINE SHALL REDUCE NON METHANE HYDROCARBON COMPOUNDS (NMOC) BY AT LEAST 98% BY WEIGHT OR REDUCE THIS OUTLET NMOC CONCENTRATION TO LESS THAN 20 PPMV, DRY BASIS AS HEXANE AT 3% OXYGEN.
[RULE 1150.1, 40CFR63 SUBPART AAAA]

FACILITY PERMIT TO OPERATE MM WEST COVINA, LLC

14. A CONTINUOUS EMISSION MONITORING SYSTEM (CEMS) APPROVED BY THE EXECUTIVE OFFICER SHALL BE INSTALLED AND MAINTAINED TO MEASURE THE GAS TURBINE EXHAUST GAS CONCENTRATIONS FOR NOX AND O₂. THIS SYSTEM SHALL INCLUDE EQUIPMENT THAT MEASURES AND RECORDS EXHAUST GAS NOX CONCENTRATION, CORRECTED TO 15 PERCENT OXYGEN ON A DRY BASIS.
[RULE 1303(a)(1)-BACT, 1150.1]
15. ALL RECORDS SHALL BE KEPT FOR A PERIOD OF AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 3004(a) (4)]

Emissions And Requirements:

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

NOX: 25 PPMV @ 15% O₂, DRY, BACT
NOX: 25 PPMV @ 15% O₂, DRY, BACT, 40CFR60 SUBPART GG
NMOC: 20 PPMV, RULE 1150.1, 40CFR60 SUBPART WWW
NMOC: 98% DESTRUCTION EFFICIENCY OR 20 PPMV, AS HEXANE @3% O₂-40CFR63 SUBPART
AAAA (CLASS III)
CO: 2000 PPMV, RULE 407
PM: RULE 404, SEE APPENDIX B FOR EMISSIONS LIMITS
PM: 0.1 gr/scf, RULE 409
SOX: 0.05% VOL, 40CFR60 SUBPART GG

FACILITY PERMIT TO OPERATE MM WEST COVINA, LLC

PERMIT TO OPERATE

Permit No. F19506
A/N 349805

Equipment Description:

RESOURCE RECOVERY SYSTEM CONSISTING OF:

1. VENTURI SCRUBBER, KROLL REYNOLDS, 3'-6" DIA. X 10'-0" H., 6600 SCFM CAPACITY.
2. LANDFILL GAS BLOWER, LAMSON, 125 HP, 6600 SCFM CAPACITY.
3. STEAM GENERATOR, ZURN, 69,000 LB/HR STEAM OUTPUT AT 826 DEGREES F AND 625 PSIG, WATER TUBE PRESSURIZED, 105,000,000 BTU PER HOUR INPUT, LANDFILL GAS FIRED AND A NATURAL GAS PILOT, WITH ONE COEN MODEL DAF LOW NOX BURNER/02 TRIM SYSTEM.
4. FORCED DRAFT FAN, CLARAGE, MODEL RHP 1640A, OR EQUIVALENT, 150 HP.
5. FLUE GAS RECIRCULATION FAN, 60 HP, APPROXIMATELY 5500 CFM NOMINAL OPERATING CAPACITY, 7,100 CFM MAXIMUM CAPACITY.
6. STEAM TURBINE, MURRAY, MODEL RJD8-M20, MULTISTAGE EXTRACTION TURBINE, DRIVING 7,100 KW GENERATOR, WITH A WATER COOLED CONDENSER, TWO (2) CONDENSATE PUMPS, A STEAM JET AIR EJECTOR/GLAND STEAM CONDENSER, SHELL AND TUBE FEEDWATER HEATER, A DEARATOR, TWO (2) FEED WATER PUMPS.

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 EQUIPMENT SHALL BE OPERATED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]
4. THE QUANTITY OF LANDFILL GAS BURNED IN THE STEAM GENERATOR SHALL BE CONTINUOUSLY MONITORED AND RECORDED. THE EQUIPMENT TO BE USED TO MEASURE AND RECORD THE FLOW RATE SHALL BE APPROVED BY THE EXECUTIVE OFFICER AND PROPERLY MAINTAINED.
[RULE 1303(b) (2)-OFFSET, 1150.1, 1401]

FACILITY PERMIT TO OPERATE MM WEST COVINA, LLC

5. THE BTU CONTENT OF THE LANDFILL GAS BURNED IN THE STEAM GENERATOR SHALL BE CONTINUOUSLY MONITORED AND THE 15-MINUTE AVERAGE RECORDED. THE EQUIPMENT TO BE USED TO MEASURE AND RECORD THE BTU CONTENT OF THE GAS SHALL BE APPROVED BY THE EXECUTIVE OFFICER AND PROPERLY MAINTAINED.
[RULE 1146, 1303 (b) (2)-OFFSET, 1401]
6. THE TOTAL 15 MINUTE AVERAGE BTU INPUT OF THE LANDFILL GAS BURNED IN THE STEAM GENERATOR SHALL NOT EXCEED 105 MMBTU PER HOUR.
[RULE 1303 (b)(2)-OFFSET, 1401]
7. THE TOTAL HEAT RELEASE RATE OF THE LANDFILL GAS COMBUSTED AT THE FLARE STATION SHALL BE SUCH THAT THE COMBINED LANDFILL GAS BEING COMBUSTED AT FLARE STATION NO. 1, THE PERIMETER GAS COMBUSTED AT FLARE STATION NO. 2, AND THE BOILER SHALL NOT EXCEED 288.40 MMBTU PER HOUR. THE TOTAL COMBINED LANDFILL GAS FLOW RATE TO THE FLARE STATION NO. 1, PERIMETER GAS AT FLARE STATION NO. 2 AND THE BOILER SHALL BE CALCULATED USING THE FOLLOWING FORMULA. THE MEASURED LANDFILL GAS FLOW RATE VALUE (SCFM), WHEN COMBINED FOR EACH OF THE ABOVE FLARE STATIONS AND BOILER, SHALL NOT EXCEED THE CALCULATED TOTAL LANDFILL GAS FLOW RATE.

$$Q \text{ (SCFM)} = \frac{288.40 \times 10^6 \text{ BTU/HR}}{(\% \text{ METHANE CONC./100})(1,012 \text{ BTU/SCF})(60 \text{ MIN/HR})}$$

%METHANE CONCENTRATION OF THE LANDFILL GAS FED TO THE FLARE (S) AND BOILER SHALL BE MEASURED ONCE PER OPERATING DAY, EXCLUDING WEEKENDS AND HOLIDAYS.
[RULE 1303 (b)(2)-OFFSET, 1401]

8. A CONTINUOUS MONITORING SYSTEM SHALL BE OPERATED TO MEASURE THE STEAM GENERATOR STACK EMISSIONS FOR NOX, CO AND O2 CONCENTRATIONS ON A DRY BASIS. IN ADDITION, THE SYSTEM WILL CONVERT ACTUAL NOX AND CO CONCENTRATIONS AT 3% O2 ON A DRY BASIS AND CONTINUOUSLY RECORD THE STACK NOX CONCENTRATION, STACK CO CONCENTRATION, STACK O2 CONCENTRATION, AND CORRECTED NOX AND CO CONCENTRATIONS AT 3% O2. THIS MONITORING SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF RULE 218.
[RULE 218, 1146]
9. THE EMISSIONS FROM THE STEAM GENERATOR SHALL NOT EXCEED THE FOLLOWING:
- A. NON METHANE HYDROCARBONS, AS CH₄, 42 LB/DAY, AND 1.75 LB/HR.
 - B. NO_x, AS NO₂, 65 LB/DAY, AND 2.71 LB/HR.
 - C. SO_x 39 LB/DAY, AND 1.63 LB/HR.
 - D. CO 66 LB/DAY, AND 2.74 LB/HR.
 - E. PARTICULATE MATTER, 57 LB/DAY, AND 2.36 LB/HR.
[RULE 1303(b) (1) AND (b)(2)-MODELING AND OFFSET]

FACILITY PERMIT TO OPERATE MM WEST COVINA, LLC

10. THE OXIDES OF NITROGEN CONCENTRATION FROM THE STEAM GENERATOR SHALL NOT EXCEED 18 PPM AVERAGED OVER FIFTEEN MINUTES, BY VOLUME CALCULATED AT 3% O₂, DRY.
[RULE 1303(a)(1)- BACT, RULE 1146]
11. THE CARBON MONOXIDE CONCENTRATION FROM THE STEAM GENERATOR SHALL NOT EXCEED 30 PPM AVERAGED OVER FIFTEEN MINUTES, BY VOLUME CALCULATED AT 3% O₂ DRY.
[RULE 1303(a)(1)- BACT, RULE 1146]
12. A CONTINUOUS MONITORING SYSTEM SHALL BE OPERATED TO MEASURE AND RECORD THE STEAM GENERATOR STACK EXHAUST FLOW RATE.
[RULE 218, 3004(a)(4)]
13. THE AMOUNT OF NATURAL GAS BURNED IN THE PILOT OF THE STEAM GENERATOR SHALL NOT EXCEED 180 THOUSAND CUBIC FEET PER DAY (MCFD).
[RULE 1303(b)(2), 1401]
14. ANY BREAKDOWN OR MALFUNCTION OF THIS RESOURCE RECOVERY SYSTEM RESULTING IN THE EMISSION OF RAW LANDFILL GAS SHALL BE REPORTED TO THE SCAQMD MANAGER OF PUBLIC FACILITIES TEAM WITHIN ONE HOUR AFTER OCCURRENCE AND IMMEDIATE REMEDIAL MEASURES SHALL BE UNDERTAKEN TO CORRECT THE PROBLEM AND PREVENT FURTHER EMISSIONS INTO THE ATMOSPHERE.
[RULE 430]
15. MM WEST COVINA LLC SHALL CONDUCT A PERFORMANCE TEST EVERY TWO YEARS FOR THE FOLLOWING;
 - A. THE PERFORMANCE TESTS SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, A TEST OF THE INLET AND THE EXHAUST OF THE BOILER FOR:
 - a. METHANE
 - b. TOTAL NON-METHANE ORGANICS
 - c. OXIDES OF NITROGEN (EXHAUST ONLY)
 - d. CARBON MONOXIDE (EXHAUST ONLY)
 - e. PARTICULATES (EXHAUST ONLY)
 - f. HYDROGEN SULFIDE (INLET ONLY)
 - g. C1 THROUGH C3 SULFUR COMPOUNDS, SPECIATED (INLET ONLY)
 - h. CARBON DIOXIDE
 - i. TOXIC AIR CONTAMINANTS INCLUDING, BUT NOT LIMITED TO BENZENE, CHLOROBENZENE, 1, 2- DICHLOROETHANE, 1, 1-DICHLOROETHENE, DICHLOROMETHANE, TETRACHLOROETHYLENE, TETRACHLOROMETHANE, TOLUENE, 1,1,1- TRICHLOROETHANE, TRICHLOROETHYLENE, TRICHLOROMETHANE, VINYL CHLORIDE, AND XYLENE.
 - j. OXYGEN
 - k. NITROGEN
 - l. MOISTURE CONTENT
 - m. FLOW RATE

FACILITY PERMIT TO OPERATE MM WEST COVINA, LLC

- n. TEMPERATURE
 - o. FLUE GAS RECIRCULATION FLOW RATE.
- B. A TEST PLAN SHALL BE SUBMITTED TO THE SENIOR MANAGER, REFINERY AND WASTE MANAGEMENT PERMITTING, NOT LATER THAN SIXTY (60) DAYS BEFORE THE PROPOSED TEST DATE AND SHALL BE APPROVED BY THE SCAQMD BEFORE THE TEST COMMENCES. THE PLAN SHALL INCLUDE THE PROPOSED OPERATING CONDITIONS OF THE EQUIPMENT DURING THE TEST, THE IDENTITY OF THE TESTING LABORATORY, A STATEMENT FROM THE TESTING LABORATORY CERTIFYING IT MEETS THE CRITERIA IN DISTRICT RULE 304(1), AND A DESCRIPTION OF ALL SAMPLING AND ANALYTICAL PROCEDURES TO BE USED.
- C. THE SCAQMD ENGINEER, REFINERY AND WASTE MANAGEMENT PERMITTING, SHALL BE NOTIFIED OF THE DATE AND TIME OF THE TEST AT LEAST 10 DAYS PRIOR TO THE TEST, OR WITHIN A TIME PERIOD AGREED UPON BY THE SCAQMD ENGINEER.
[RULE 1303(b) (1) AND (b)(2), 1401]
16. ALL RECORDS SHALL BE KEPT FOR A PERIOD OF AT LEAST FIVE YEARS IN A FORM APPROVED BY THE SCAQMD AND MADE AVAILABLE TO THE SCAQMD PERSONNEL UPON REQUEST.
[RULE 3004(a) (4)]

Emissions And Requirements:

17. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- NMOC: 20 PPMV, RULE 1150.1, 40CFR60 SUBPART WWW
 - NMOC: 98% DESTRUCTION EFFICIENCY OR 20 PPMV, AS HEXANE @3% O2-40CFR63 SUBPART AAAA (CLASS III)
 - CO: 2000 PPMV, RULE 407
 - CO: 400 PPMV, RULE 1146
 - NOx 30 PPMV, RULE 1146
 - PM: 0.1 gr/scf, RULE 409

FACILITY PERMIT TO OPERATE MM WEST COVINA, LLC

PERMIT TO OPERATE (Will supersede 385201 PC)

Permit No. TBD
A/N 448958

Equipment Description:

RESOURCE RECOVERY SYSTEM CONSISTING OF:

1. LANDFILL GAS BLOWERS (2), HOFFMAN, 125 HP, 6600 SCFM CAPACITY, AND ONE 100 HP BLOWER.
2. STEAM GENERATOR, ZURN, 69,000 LB/HR STEAM OUTPUT AT 826 DEGREES F AND 625 PSIG, WATER TUBE - PRESSURIZED, 115,000,000 BTU PER HOUR INPUT, LANDFILL GAS FIRED AND A NATURAL GAS PILOT, WITH ONE COEN MODEL DAF LOW-NOX BURNER/O2 TRIM SYSTEM.
3. FORCED DRAFT FAN, CLARAGE, MODEL RHP 1640A, OR EQUIVALENT, 200 HP.
4. FLUE GAS RECIRCULATION WITH AN AUTOMATIC DAMPER.
5. STEAM TURBINE, MURRAY, MODEL RJD8-M20, MULTISTAGE EXTRACTION TURBINE, DRIVING A 7100 KW GENERATOR, WITH A WATER COOLED CONDENSER, TWO (2) CONDENSATE PUMPS, A STEAM JET AIR EJECTOR/GLAND STEAM CONDENSER, SHELL AND TUBE FEEDWATER HEATER, A DEARATOR, TWO (2) FEED WATER PUMPS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT TO OPERATE IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITIONS AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL BE OPERATED AND MAINTAINED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]
4. THE QUANTITY OF LANDFILL GAS BURNED IN THE STEAM GENERATOR SHALL BE CONTINUOUSLY MONITORED AND RECORDED (SCFM). THE EQUIPMENT TO BE USED TO MEASURE AND RECORD THE FLOW RATE SHALL BE APPROVED BY THE EXECUTIVE OFFICER AND PROPERLY MAINTAINED.
[RULE 1303 (b) (1)-MODELING, 1303 (b)(2)-OFFSET, 1401]

FACILITY PERMIT TO OPERATE MM WEST COVINA, LLC

5. THE BTU CONTENT OF THE LANDFILL GAS BURNED IN THE STEAM GENERATOR SHALL BE CONTINUOUSLY MONITORED AND AT LEAST HOURLY AVERAGE BE RECORDED. THE EQUIPMENT TO BE USED TO MEASURE AND RECORD THE BTU CONTENT OF THE GAS SHALL BE APPROVED BY THE EXECUTIVE OFFICER AND PROPERLY MAINTAINED.
[RULE 1303 (b) (1)-MODELING, 1303 (b) (2)-OFFSET, 1401]
6. THE TOTAL HOURLY AVERAGE BTU HEAT INPUT OF THE LANDFILL GAS BURNED IN THE STEAM GENERATOR SHALL NOT EXCEED 115 MMBTU PER HOUR.
[RULE 1303 (b) (1)-MODELING, 1303 (b) (2)-OFFSET, 40CFR 60 SUBPART GG]
7. A CONTINUOUS EMISSIONS MONITORING SYSTEM (CEMS) SHALL BE OPERATED TO MEASURE THE STEAM GENERATOR STACK EMISSIONS FOR NOX, CO, AND O2 CONCENTRATIONS ON A DRY BASIS. IN ADDITION, THE SYSTEM SHALL CONVERT ACTUAL NOX AND CO CONCENTRATIONS TO CORRECTED NOX AND CO CONCENTRATIONS AT 3% O2 ,ON, A DRY BASIS, AND CONTINUOUSLY RECORD THE STACK NOX CONCENTRATION, STACK CO CONCENTRATION, STACK O2 CONCENTRATION, AND CORRECTED NOX AND CO CONCENTRATIONS AT 3% O2. THIS MONITORING SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF RULE 218.
[RULE 1146, 218]
8. THE EMISSIONS FROM THE STEAM GENERATOR SHALL NOT EXCEED THE FOLLOWING:

CONTAMINANT	LBS/HR.
CO	1.0
NOX (AS NO2)	2.4
PM10	1.5
ROG (AS CH4)	0.5
SOX (AS SO2)	3.2

[RULE 1303 (b) (1)-MODELING, 1303 (b)(2)-OFFSET]
9. THE OXIDES OF NITROGEN (NOx) CONCENTRATION FROM THE STEAM GENERATOR SHALL NOT EXCEED 21 PPMV, BY VOLUME, AVERAGED OVER FIFTEEN MINUTES, CALCULATED AT 3% O2, DRY.
[RULE 1303 (a) (1)-BACT]
10. THE CARBON MONOXIDE (CO) CONCENTRATION FROM THE STEAM GENERATOR SHALL NOT EXCEED 14 PPMV, BY VOLUME, AVERAGED OVER FIFTEEN MINUTES, CALCULATED AT 3% O2 DRY.
[RULE 1303 (a) (1)-BACT]
11. STEAM GENERATOR STACK EXHAUST FLOW RATE (DSCFM) SHALL BE CALCULATED AND RECORDED ON A 15-MINUTE BASIS USING EPA METHOD 19. FUEL FLOW METER ACCURACY SHALL BE VERIFIED BASED ON ANNUAL REALATIVE ACCURACT TEST AUDIT (RATA) REPORT.
[RULE 3004 (a) (4)]
12. THE AMOUNT OF NATURAL GAS BURNED IN THE PILOT OF THE STEAM GENERATOR SHALL NOT EXCEED 180 THOUSAND CUBIC FEET PER DAY.
[RULE 1303 (b) (2)-OFFSET]

FACILITY PERMIT TO OPERATE MM WEST COVINA, LLC

13. ANY BREAKDOWN OR MALFUNCTION OF THIS RESOURCE RECOVERY SYSTEM RESULTING IN THE EMISSION OF RAW LANDFILL GAS SHALL BE REPORTED TO THE SCAQMD MANAGER OF TOXICS AND WASTE MANAGEMENT TEAM WITHIN ONE HOUR AFTER OCCURRENCE AND IMMEDIATE REMEDIAL MEASURES SHALL BE UNDERTAKEN TO CORRECT THE PROBLEM AND PREVENT FURTHER EMISSIONS INTO THE ATMOSPHERE.
[RULE 430]
14. LANDFILL GAS NOT UTILIZED BY THE STEAM GENERATOR SHALL BE COMBUSTED IN AIR POLLUTION CONTROL EQUIPMENT, SUCH AS THE FLARE SYSTEM, WHICH HAS BEEN ISSUED A VALID PERMIT TO CONSTRUCT/OPERATE BY THE SCAQMD.
[RULE 402, 1303 (a) (1)-BACT, 1401]
15. SAMPLING PORTS SHALL BE PROVIDED IN THE STEAM GENERATOR EXHAUST DUCT, 8-10 DUCT DIAMETERS DOWNSTREAM AND 2 DUCT DIAMETERS UPSTREAM OF ANY FLOW DISTURBANCE. AT EACH LOCATION, TWO SAMPLING PORTS AT 90 DEGREE APART SHALL BE PROVIDED AND SHALL CONSIST OF TWO 4-INCH WELDED NIPPLES WITH CAPS. AN EQUIVALENT METHOD OF EMISSION SAMPLING AND SAFETY ACCESS SHALL BE PROVIDED BY THE APPLICANT.
[RULE 217]
16. THIS EQUIPMENT SHALL COMPLY WITH RULE 1150.1.
[RULE 1150.1]
17. ALL RECORDS SHALL BE KEPT FOR A PERIOD OF AT LEAST FIVE YEARS IN A FORM APPROVED BY THE SCAQMD AND MADE AVAILABLE TO THE SCAQMD PERSONNEL UPON REQUEST.
[RULE 3004 (a) (4)-PERIODIC MONITORING]

Emissions And Requirements:

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

NMOC: 20 PPMV, RULE 1150.1, 40CFR60 SUBPART WWW
NMOC: 98% DESTRUCTION EFFICIENCY OR 20 PPMV, AS HEXANE @3% O₂-40CFR63 SUBPART AAAA (CLASS III)
CO: 14 PPMV, 15 MINUTE AVG, AT 3% O₂ DRY- BACT
CO: 2000 PPMV, RULE 407
CO: 400 PPMV, RULE 1146
NO_x: 21 PPMV, 15 MINUTE AVG, AT 3% O₂ DRY- BACT
NO_x: 30 PPMV, RULE 1146
PM: 0.1 gr/scf, RULE 409

FACILITY PERMIT TO OPERATE MM WEST COVINA, LLC

PERMIT TO OPERATE

Permit No. TBD
A/N 502057

Equipment Description:

RESOURCE RECOVERY LANDFILL GAS (LFG) TO ENERGY SYSTEM CONSISTING OF:

1. TWO (2) COMPRESSORS, LFG, MYCOM, ROTARY-TYPE, 1,000 H.P. EACH (ONE STAND-BY).
2. TWO (2) HEAT EXCHANGERS WITH ASSOCIATED COOLING TOWER AND A REHEAT-HEAT EXCHANGER.
3. FILTER COALESCER AND A 3-MICRON PARTICULATE FILTER.
4. GAS TURBINE, SOLAR TAURUS, MODEL 60, LFG FIRED, 63 MMBTU PER HOUR, WITH EVAPORATIVE COOLER AND AN ELECTRIC STARTER, DRIVING A 5,700 KILOWATT ELECTRIC GENERATOR.
5. EXHAUST STACK, 5'-11" DIA. BY 34'-3" HIGH.

CONDITIONS :

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE 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 EQUIPMENT SHALL BE OPERATED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]
4. THIS EQUIPMENT SHALL BE FIRED ONLY WITH LANDFILL GAS.
[RULE 204]
5. A FLOW INDICATING AND RECORDING DEVICE SHALL BE INSTALLED IN THE LANDFILL GAS SUPPLY LINE TO THE GAS TURBINE TO MEASURE AND RECORD THE QUANTITY OF LANDFILL GAS (IN SCFM) BEING BURNED.
[RULE 1303(b) (1)-MODELING, 1303(b) (2)-OFFSET, 3004 (a) (4)]

FACILITY PERMIT TO OPERATE MM WEST COVINA, LLC

6. THE TOTAL HEAT INPUT OF LANDFILL GAS BURNED IN THE GAS TURBINE SHALL NOT EXCEED 63 MM BTU PER HOUR (LHV @ 459 BTU/SCF). A LOG SHALL BE KEPT INDICATING THE TOTAL HEATING VALUE OF LANDFILL GAS BURNED IN THE GAS TURBINE BASED ON THE RECORDED FLOW RATE (SCFM) AND THE LATEST WEEKLY BTU CONTENT READING.
[RULE 1303(b) (1)-MODELING, 1303(b) (2)-OFFSET, 3004 (a) (4)]
7. WEEKLY READINGS OF THE BTU CONTENT OF LANDFILL GAS AT THE INLET TO THE GAS TURBINE SHALL BE TAKEN USING AN INSTRUMENT APPROVED BY THE SCAQMD. ALL RESULTS SHALL BE RECORDED.
[RULE 3004 (a) (4)]
8. ALL RECORDING DEVICES SHALL BE SYNCHRONIZED WITH RESPECT TO THE TIME OF THE DAY.
[RULE 204]
9. LANDFILL GAS NOT UTILIZED BY THE GAS TURBINE SHALL BE BURNED IN A LANDFILL GAS FLARING SYSTEM OR A BOILER, WHICH HAS BEEN ISSUED A VALID PERMIT BY THE AQMD.
[RULE 1303(a) (1)-BACT]
10. SAMPLING PORTS SHALL BE PROVIDED IN THE GAS TURBINE EXHAUST STACK, 8-10 DUCT DIAMETERS DOWNSTREAM AND 2 DUCT DIAMETERS UPSTREAM OF ANY FLOW DISTURBANCE. AT EACH LOCATION, TWO SAMPLING PORTS 90 DEGREES APART SHALL BE PROVIDED AND SHALL CONSIST OF 4-INCH WELDED NIPPLES WITH CAPS. SAFETY ACCESS TO THE SAMPLING PORTS SHALL BE PROVIDED BY THE APPLICANT.
[RULE 217]
11. EMISSIONS FROM THE GAS TURBINE EXHAUST SHALL NOT EXCEED THE FOLLOWING:
- | <u>CONTAMINANT</u> | <u>LBS/HR</u> |
|---------------------------------------|---------------|
| CO | 20.3 |
| NO _x (AS NO ₂) | 6.42 |
| PM (PM ₁₀) | 1.22 |
| TGNMOC (AS CH ₄) | 0.42 |
| SOX (AS SO ₂) | 1.66 |
- [RULE 1303(b) (1)-MODELING, 1303(b) (2)-OFFSET]
12. EMISSIONS OF OXIDES OF NITROGEN SHALL NOT EXCEED 25 PPMV, CALCULATED AT 15% O₂, DRY BASIS, EXCEPT DURING PERIODS OF STARTUP AND SHUTDOWN NOT TO EXCEED 30 MINUTES PER INCIDENT.
[RULE 1303 (a) (1)-BACT, 1303(b) (1)-MODELING, 1303(b) (2)-OFFSET]
13. EMISSIONS OF CARBON MONOXIDE SHALL NOT EXCEED 130 PPMV, CALCULATED AT 15% O₂, DRY BASIS, EXCEPT DURING PERIODS OF STARTUP AND SHUTDOWN NOT TO EXCEED 30 MINUTES PER INCIDENT.
[RULE 1303 (a) (1)-BACT, 1303(b) (1)-MODELING, 1303(b) (2)-OFFSET]

FACILITY PERMIT TO OPERATE MM WEST COVINA, LLC

- 14 THE GAS TURBINE SHALL REDUCE NON METHANE HYDROCARBON COMPOUNDS (NMOC) BY AT LEAST 98% BY WEIGHT OR REDUCE THE OUTLET NMOC CONCENTRATION TO LESS THAN 20 PPMV, DRY BASIS, AS HEXANE AT 3% OXYGEN.
[RULE 1150.1]
15. MM WEST COVINA LLC SHALL CONDUCT A PERFORMANCE TEST, ANNUALLY, FOR THE FOLLOWING;
- A. THE PERFORMANCE TESTS SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, A TEST OF THE INLET AND THE EXHAUST OF THE EQUIPMENT FOR:
- a. METHANE
 - b. TOTAL NON-METHANE ORGANICS
 - c. OXIDES OF NITROGEN (EXHAUST ONLY)
 - d. CARBON MONOXIDE (EXHAUST ONLY)
 - e. PARTICULATES (EXHAUST ONLY)
 - f. HYDROGEN SULFIDE (INLET ONLY)
 - g. C1 THROUGH C3 SULFUR COMPOUNDS, SPECIATED (INLET ONLY)
 - h. CARBON DIOXIDE
 - i. TOXIC AIR CONTAMINANTS INCLUDING, BUT NOT LIMITED TO BENZENE, CHLOROBENZENE, 1, 2- DICHLOROETHANE, 1, 1-DICHLOROETHENE, DICHLOROMETHANE, TETRACHLOROETHYLENE, TETRACHLOROMETHANE, TOLUENE, 1,1,1- TRICHLOROETHANE, TRICHLOROETHYLENE, TRICHLOROMETHANE, VINYL CHLORIDE, AND XYLENE.
 - j. OXYGEN
 - k. NITROGEN
 - l. MOISTURE CONTENT
 - m. FLOW RATE
 - n. TEMPERATURE
- B. A TEST PLAN SHALL BE SUBMITTED TO THE SENIOR MANAGER, REFINERY AND WASTE MANAGEMENT PERMITTING, NOT LATER THAN SIXTY (60) DAYS BEFORE THE PROPOSED TEST DATE AND SHALL BE APPROVED BY THE SCAQMD BEFORE THE TEST COMMENCES. THE PLAN SHALL INCLUDE THE PROPOSED OPERATING CONDITIONS OF THE EQUIPMENT DURING THE TEST, THE IDENTITY OF THE TESTING LABORATORY, A STATEMENT FROM THE TESTING LABORATORY CERTIFYING IT MEETS THE CRITERIA IN DISTRICT RULE 304 (1), AND A DESCRIPTION OF ALL SAMPLING AND ANALYTICAL PROCEDURES TO BE USED.
- C. THE SCAQMD ENGINEER, REFINERY AND WASTE MANAGEMENT PERMITTING, SHALL BE NOTIFIED OF THE DATE AND TIME OF THE TEST AT LEAST 10 DAYS PRIOR TO THE TEST, OR WITHIN A TIME PERIOD AGREED UPON BY THE SCAQMD ENGINEER.
[RULE 1303(b) (1) AND (b) (2), 1401]

FACILITY PERMIT TO OPERATE MM WEST COVINA, LLC

16. A CONTINUOUS EMISSION MONITORING SYSTEM (CEMS) APPROVED BY THE EXECUTIVE OFFICER SHALL BE INSTALLED AND MAINTAINED TO MEASURE THE GAS TURBINE EXHAUST GAS CONCENTRATION FOR NO_x AND O₂. THIS SYSTEM SHALL INCLUDE EQUIPMENT THAT MEASURES AND RECORDS EXHAUST GAS NO_x CONCENTRATION, CORRECTED TO 15 PERCENT OXYGEN ON A DRY BASIS.
[RULE 218, 1303(b) (1)-MODELING, 1303(b) (2)-OFFSET, 3004 (a) (4)]
17. ALL RECORDS SHALL BE KEPT FOR A PERIOD OF AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 3004 (a) (4)]

Emissions And Requirements:

18. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- CO: 2000 PPMV, DRY, 15 MIN. AVG., RULE 407
 - CO: 130 PPMV, @ 15% O₂, DRY, MAJOR SOURCE - BACT
 - NO_x: 25 PPMV, @ 15% O₂, DRY, MAJOR SOURCE-BACT
 - NO_x: 96 PPMV, @ 15% O₂, DRY, NSPS, 40CFR60 SUBPART KKKK
 - PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
 - ROG: 20 PPMV, AS HEXANE, @ 3% O₂, DRY OR 98% (BY WT) DESTRUCTION EFFICIENCY, RULE 1150.1 & NSPS
 - SO_x: BASED ON H₂S CON. IN LFG (MAX. 150 PPMV), RULE 431.1
 - SO_x: 0.90 LB/MWh OR 0.06 LB/MMBTU, NSPS, 40CFR60 SUBPART KKKK.

FACILITY PERMIT TO OPERATE MM WEST COVINA, LLC

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS.

Periodic Monitoring:

1. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

FOR ARCHITECTURAL APPLICATIONS WHERE NO THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN SEMI-ANNUAL RECORDS OF ALL COATINGS CONSISTING OF:

- A. COATING TYPE,
- B. VOC CONTENT AS SUPPLIED IN GRAMS PER LITER (g/l) OF MATERIALS FOR LOW-SOLIDS COATINGS,
- C. VOC CONTENT AS SUPPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATING.

FOR OTHER ARCHITECTURAL APPLICATIONS WHERE THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN DAILY RECORDS FOR EACH COATING CONSISTING OF:

- A. COATING TYPE,
- B. VOC CONTENT AS APPLIED IN GRAMS PER LITER (g/l) OF MATERIALS USED FOR LOW-SOLIDS COATINGS,
- C. VOC CONTENT AS APPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATING.

[RULE 3004 (a) (4)]

Emissions And Requirements:

2. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

VOC: RULE 1113, SEE APPENDIX B FOR EMISSION LIMITS
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE MM WEST COVINA, LLC

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, HAND WIPING OPERATIONS.

Emissions And Requirements:

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

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE MM WEST COVINA, LLC

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL UNHEATED, NON-CONVEYORIZED.

Emissions And Requirements:

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

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE MM WEST COVINA, LLC

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS.

Emissions And Requirements:

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

VOC: RULE 1415

VOC: 40CFR 82 SUBPART F

FACILITY PERMIT TO OPERATE MM WEST COVINA, LLC

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, COOLING TOWERS

Emissions And Requirements:

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

CR⁺⁶: RULE 1404

FACILITY PERMIT TO OPERATE MM WEST COVINA LLC

SECTION E: ADMINISTRATIVE CONDITIONS

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

1. The permit shall remain effective unless this permit is suspended, revoked, modified, reissued, denied, or it is expired for nonpayment of permit processing or annual operating fees. [201, 203, 209, 301]
 - a. The permit must be renewed annually by paying annual operating fees, and the permit shall expire if annual operating fees are not paid pursuant to requirements of Rule 301(d). [301(d)]
 - b. The Permit to Construct listed in Section H shall expire one year from the Permit to Construct issuance date, unless a Permit to Construct extension has been granted by the Executive Officer or unless the equipment has been constructed and the operator has notified the Executive Officer prior to the operation of the equipment, in which case the Permit to Construct serves as a temporary Permit to Operate. [202, 205]
 - c. The Title V permit shall expire as specified under Section K of the Title V permit. The permit expiration date of the Title V facility permit does not supercede the requirements of Rule 205. [205, 3004]
2. The operator shall maintain all equipment in such a manner that ensures proper operation of the equipment. [204]
3. This permit does not authorize the emissions of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules and Regulations of the AQMD. This permit cannot be considered as permission to violate existing laws, ordinances, regulations, or statutes of other governmental agencies. [204]
4. The operator shall not use equipment identified in this facility permit as being connected to air pollution control equipment unless they are so vented to the identified air pollution control equipment which is in full use and which has been included in this permit. [204]
5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation. [204]
6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to AQMD personnel upon request and be maintained for at least five years. [204]

FACILITY PERMIT TO OPERATE MM WEST COVINA LLC

SECTION E: ADMINISTRATIVE CONDITIONS

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 (SO₂) 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 (CO₂) at standard conditions and averaged over a minimum of 15 consecutive minutes. [409]
 - f. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O₂) 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]
 - a. Brief description of the equipment tested.
 - b. Brief process description, including maximum and normal operating temperatures, pressures, throughput, etc.
 - c. Operating conditions under which the test will be performed.
 - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts and stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream)

FACILITY PERMIT TO OPERATE MM WEST COVINA LLC

SECTION E: ADMINISTRATIVE CONDITIONS

- e. Brief description of sampling and analytical methods used to measure each pollutant, temperature, flow rates, and moisture.
 - f. Description of calibration and quality assurance procedures.
 - g. Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (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]
- a. The results of the source test.
 - 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
MM WEST COVINA LLC**

SECTION F: RECLAIM Monitoring and Source Testing Requirements

NOT APPLICABLE

**FACILITY PERMIT TO OPERATE
MM WEST COVINA LLC**

SECTION G: Recordkeeping and Reporting Requirements for RECLAIM Sources

NOT APPLICABLE

FACILITY PERMIT TO OPERATE MM WEST COVINA, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

This section consists of a table listing all equipment with Permits to Construct and copies of all individual Permits to Construct issued to various equipment at the facility. Each permit 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 MM WEST COVINA, LLC

PERMITTED EQUIPMENT LIST

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

Application Number	Permit to Construct Granted On	Equipment Description	Page Number
385201	10/03/2001 MODIFICATION TO 349805 / F19506	BOILER (115 MMBTU/HR) LANDFILL GAS	3

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 MM WEST COVINA, LLC

PERMIT TO CONSTRUCT

A/N 385201
Granted as of 10/03/2001

Equipment Description:

RESOURCE RECOVERY SYSTEM CONSISTING OF:

1. LANDFILL GAS BLOWERS (2), HOFFMAN, 125 HP, 6600 SCFM CAPACITY, AND ONE 100 HP BLOWER.
2. STEAM GENERATOR, ZURN, 69,000 LB/HR STEAM OUTPUT AT 826 DEGREES F AND 625 PSIG, WATER TUBE - PRESSURIZED, 115,000,000 BTU PER HOUR INPUT, LANDFILL GAS FIRED AND A NATURAL GAS PILOT, WITH ONE COEN MODEL DAF LOW-NOX BURNER/O2 TRIM SYSTEM.
3. FORCED DRAFT FAN, CLARAGE, MODEL RHP 1640A, OR EQUIVALENT, 200 HP.
4. FLUE GAS RECIRCULATION WITH AN AUTOMATIC DAMPER.
5. STEAM TURBINE, MURRAY, MODEL RJD8-M20, MULTISTAGE EXTRACTION TURBINE, DRIVING A 7100 KW GENERATOR, WITH A WATER COOLED CONDENSER, TWO (2) CONDENSATE PUMPS, A STEAM JET AIR EJECTOR/GLAND STEAM CONDENSER, SHELL AND TUBE FEEDWATER HEATER, A DEARATOR, TWO (2) FEED WATER PUMPS.

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 EQUIPMENT SHALL BE OPERATED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]
- 4) THE QUANTITY OF LANDFILL GAS BURNED IN THE STEAM GENERATOR SHALL BE CONTINUOUSLY MONITORED AND RECORDED (SCFM). THE EQUIPMENT TO BE USED TO MEASURE AND RECORD THE FLOW RATE SHALL BE APPROVED BY THE EXECUTIVE OFFICER AND PROPERLY MAINTAINED.
[RULE 1303(b)(2)-OFFSET, RULE 1150.1]

FACILITY PERMIT TO OPERATE MM WEST COVINA, LLC

- 5) THE BTU CONTENT OF THE LANDFILL GAS BURNED IN THE STEAM GENERATOR SHALL BE CONTINUOUSLY MONITORED AND THE 15-MINUTE AVERAGE RECORDED. THE EQUIPMENT TO BE USED TO MEASURE AND RECORD THE BTU CONTENT OF THE GAS SHALL BE APPROVED BY THE EXECUTIVE OFFICER AND PROPERLY MAINTAINED.
[RULE 1146, 1303(b)(2)-OFFSET, 1401]
- 6) THE TOTAL 15-MINUTE AVERAGE BTU HEAT INPUT OF THE LANDFILL GAS BURNED IN THE STEAM GENERATOR SHALL NOT EXCEED 115 MMBTU PER HOUR.
[RULE 1303(b) (2)-OFFSET, 1401, 40CFR60 SUBPART GG]
- 7) A CONTINUOUS EMISSIONS MONITORING SYSTEM (CEMS) SHALL BE OPERATED TO MEASURE THE STEAM GENERATOR STACK EMISSIONS FOR NO_x, CO AND O₂ CONCENTRATIONS ON A DRY BASIS. IN ADDITION, THE SYSTEM SHALL CONVERT ACTUAL NO_x AND CO CONCENTRATIONS TO CORRECTED NO_x AND CO CONCENTRATIONS AT 3% O₂, ON A DRY BASIS, AND CONTINUOUSLY RECORD THE STACK NO_x AND CO CONCENTRATIONS AT 3% O₂. THIS MONITORING SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF RULE 218.
[RULE 218, 1146]
- 8) THE EMISSION FROM THE STEAM GENERATOR SHALL NOT EXCEED THE FOLLOWING:
- | CONTAMINANT | LBS/HR | LBS/DAY |
|---------------------------|--------|---------|
| ROG (AS CH ₄) | 1.92 | 46.1 |
| NOX (AS NO ₂) | 2.97 | 71.3 |
| SOX (AS SO ₂) | 1.78 | 42.7 |
| CO | 3.00 | 72.0 |
| PM ₁₀ | 2.58 | 61.9 |
- [RULE 1303(b)(1) AND (b)(2)-MODELING AND OFFSET]
- 9) THE OXIDES OF NITROGEN (NO_x) CONCENTRATION FROM THE STEAM GENERATOR SHALL NOT EXCEED 18 PPMV, BY VOLUME, AVERAGED OVER FIFTEEN MINUTES, CALCULATED AT 3% O₂, DRY.
[RULE 1303(a)(1)-BACT, RULE 1146]
- 10) THE CARBON MONOXIDE (CO) CONCENTRATION FROM THE STEAM GENERATOR SHALL NOT EXCEED 30 PPMV, BY VOLUME, AVERAGED OVER FIFTEEN MINUTES, CALCULATED AT 3% O₂, DRY.
[RULE 1303(a)(1)-BACT, RULE 1146]
- 11) A CONTINUOUS MONITORING SYSTEM SHALL BE OPERATED AND MAINTAINED TO MEASURE AND RECORD THE STEAM GENERATOR STACK EXHAUST FLOW RATE.
[RULE 218, 3004(a)(4)]
- 12) THE AMOUNT OF NATURAL GAS BURNED IN THE PILOT OF THE STEAM GENERATOR SHALL NOT EXCEED 180 THOUSAND CUBIC FEET PER DAY.
[RULE 1303(b)(2), 1401]

FACILITY PERMIT TO OPERATE MM WEST COVINA, LLC

- 13) ANY BREAKDOWN OR MALFUNCTION OF THIS RESOURCE RECOVERY SYSTEM RESULTING IN THE EMISSION OF RAW LANDFILL GAS SHALL BE REPORTED TO THE SCAQMD MANAGER OF TOXICS AND WASTE MANAGEMENT TEAM WITHIN ONE HOUR AFTER OCCURRENCE AND IMMEDIATE REMEDIAL MEASURES SHALL BE UNDERTAKEN TO CORRECT THE PROBLEM AND PREVENT FURTHER EMISSIONS INTO THE ATMOSPHERE.
[RULE 430]
- 14) WITHIN 60 DAYS AFTER ACHIEVING THE MAXIMUM LANDFILL GAS FLOW RATES AT WHICH THE EQUIPMENT WILL BE OPERATED, BUT NOT LATER THAN 180 DAYS AFTER INITIAL START-UP, AND ANNUALLY THEREAFTER, UNLESS OTHERWISE APPROVED BY THE EXECUTIVE OFFICER, THE APPLICANT SHALL CONDUCT PERFORMANCE TESTS IN ACCORDANCE WITH THE AQMD APPROVED TEST PROCEDURES SHALL BE FOLLOWED, AND FURNISH THE SCAQMD WRITTEN RESULTS OF SUCH PERFORMANCE TESTS WITHIN 60 DAYS AFTER TESTING. WRITTEN NOTICE OF THE PERFORMANCE TESTS SHALL BE PROVIDED TO THE SCAQMD 10 DAYS PRIOR TO THE TESTING SO THAT AN OBSERVER MAY BE PRESENT. ALL SOURCE TESTING AND ANALYTICAL METHODS SHALL BE SUBMITTED TO THE SCAQMD FOR APPROVAL AT LEAST 30 DAYS PRIOR TO START OF THE TESTS AND A STATEMENT FROM THE TESTING LABORATORY CERTIFYING IT MEETS THE CRITERIA IN AQMD RULE 304(k). THE TESTS SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, A TEST OF THE INLET FUEL GAS AND THE STEAM GENERATOR EXHAUST FOR:
- A. HYDROCARBONS (METHANE AND TOTAL NON-METHANE ORGANICS)
 - B. CARBON MONOXIDE (EXHAUST ONLY)
 - C. OXIDES OF NITROGEN (EXHAUST ONLY)
 - D. CARBON DIOXIDE
 - E. TOTAL PARTICULATES (EXHAUST ONLY)
 - F. C1 THROUGH C3 SULFUR COMPOUNDS (SPECIATED, INLET ONLY)
 - G. ALDEHYDES (EXHAUST ONLY)
 - H. TOXIC AIR CONTAMINANTS INCLUDING, BUT NOT LIMITED TO, BENZENE, CHLOROBENZENE, 1,2-DICHLOROETHANE, 1,1-DICHLOROETHENE, DICHLOROMETHANE, TETRACHLOROETHYLENE, TETRACHLOROMETHANE, TOLUENE, 1,1,1-TRICHLOROETHANE, TRICHLOROETHYLENE, TRICHLOROMETHANE, VINYL CHLORIDE, AND XYLENE ISOMERS.
 - I. OXYGEN
 - J. NITROGEN
 - K. MOISTURE CONTENT
 - L. TEMPERATURE
 - M. FLOW RATE
 - N. FLUE GAS RECIRCULATION FLOW RATE.
- [RULE 1303(b)(2), 1146, 1150.1, 1401].
- 15) LANDFILL GAS NOT UTILIZED BY THE STEAM GENERATOR SHALL BE COMBUSTED IN AIR POLLUTION CONTROL EQUIPMENT, SUCH AS THE FLARE SYSTEM, WHICH HAS BEEN ISSUED A VALID PERMIT TO CONSTRUCT/OPERATE BY THE SCAQMD.
[RULE 1303(a) (1), 402, 1401]

FACILITY PERMIT TO OPERATE MM WEST COVINA, LLC

- 16) SAMPLING PORTS SHALL BE PROVIDED IN THE STEAM GENERATOR EXHAUST DUCT, 8-10 DUCT DIAMETERS DOWNSTREAM AND 2 DUCT DIAMETERS UPSTREAM OF ANY FLOW DISTURBANCE. AT EACH LOCATION, TWO SAMPLING PORTS AT 90 DEGREE APART SHALL BE PROVIDED AND SHALL CONSIST OF TWO 4-INCH WELDED NIPPLES WITH CAPS. AN EQUIVALENT METHOD OF EMISSION SAMPLING AND SAFETY ACCESS SHALL BE PROVIDED BY THE APPLICANT.
[RULE 217]
- 17) ALL RECORDS REQUIRED BY THE PERMIT SHALL BE KEPT AND MAINTAINED FOR A PERIOD OF AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO SCAQMD PERSONNEL UPON REQUEST.
[RULE 3004(a)(4)]

Emissions And Requirements:

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

NMOC: 20 PPMV, RULE 1150.1, 40CFR60 SUBPART WWW

NMOC: 98% DESTRUCTION EFFICIENCY OR 20 PPMV, AS HEXANE @3% O₂-40CFR63 SUBPART AAAA (CLASS III)

CO: 2000 PPMV, RULE 407

CO: 400 PPMV, RULE 1146

NO_x: 30 PPMV, RULE 1146

PM: 0.1 gr/scf, RULE 409

**FACILITY PERMIT TO OPERATE
MM WEST COVINA LLC**

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

MM WEST COVINA LLC

SECTION J: AIR TOXICS **[40CFR 63 Subpart AAAA 1-16-2003]**

NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS - MUNICIPAL SOLID WASTE LANDFILLS

- (1) The owner/operator of a municipal solid waste (MSW) landfill shall comply with all applicable requirements of 40 CFR 63, Subpart AAAA and of 40 CFR 63, Subpart A – General Provisions by the compliance date(s) that are specified in these subparts.
- (2) The owner/operator of a MSW landfill system shall comply with all applicable requirements for installation and operation of a landfill gas collection and/or control system as specified in 40 CFR 60, subpart Cc or WWW.
- (3) The operator shall keep all records pursuant to Section 63.1980 of this subpart or Subpart A to demonstrate compliance with all applicable requirements. All records including data, calculations and any supporting documentation shall be prepared in a format which is acceptable to the AQMD.
- (4) The operator shall submit all reports, notifications, plans, submittals and other communications required by Section 63.1980 of this subpart or Subpart A to the AQMD and, unless notified to the contrary by AQMD or US EPA, to US EPA Region IX (See Sections E and K of this permit for addresses).
- (5) Alternative plans, compliance plans, and the construction and operation of new or modified air pollution control equipment that are required by this subpart shall be approved through the AQMD permit system.

FACILITY PERMIT TO OPERATE MM WEST COVINA LLC

SECTION K: TITLE V Administration

GENERAL PROVISIONS

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

Permit Renewal and Expiration

3. (A) Except for solid waste incineration facilities subject to standards under Section 129(e) of the Clean Air Act, this permit shall expire five years from the date that this Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]

(B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]
4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

Duty to Provide Information

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

Payment of Fees

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

Reopening for Cause

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:

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

FACILITY PERMIT TO OPERATE MM WEST COVINA LLC

SECTION K: TITLE V Administration

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

COMPLIANCE PROVISIONS

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

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

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

FACILITY PERMIT TO OPERATE MM WEST COVINA LLC

SECTION K: TITLE V Administration

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

FACILITY PERMIT TO OPERATE MM WEST COVINA LLC

SECTION K: TITLE V Administration

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

FACILITY PERMIT TO OPERATE MM WEST COVINA LLC

SECTION K: TITLE V Administration

EMERGENCY PROVISIONS

17. An emergency¹ constitutes an affirmative defense to an action brought for non-compliance with a technology-based emission limit only if:
- (A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:
 - (1) An emergency occurred and the operator can identify the cause(s) of the emergency;
 - (2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;
 - (3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,
 - (4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and
 - (B) The operator complies with the breakdown provisions of Rule 430 - Breakdown Provisions, or subdivision (i) of Rule 2004 - Requirements, whichever is applicable. [3002(g), 430, 2004(i)]
18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

¹ "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 MM WEST COVINA LLC

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.
 - (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.

FACILITY PERMIT TO OPERATE MM WEST COVINA LLC

SECTION K: TITLE V Administration

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

**FACILITY PERMIT TO OPERATE
MM WEST COVINA LLC**

SECTION K: TITLE V Administration

PERIODIC MONITORING

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

FACILITY PERMIT TO OPERATE MM WEST COVINA LLC

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.

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 104	1-9-1976	Federally enforceable
RULE 109	5-2-2003	Federally enforceable
RULE 1113	11-8-1996	Federally enforceable
RULE 1113	7-13-2007	Non federally enforceable
RULE 1146	11-17-2000	Federally enforceable
RULE 1146	9-5-2008	Non federally enforceable
RULE 1150.1	4-5-1985	Federally enforceable
RULE 1171	11-7-2003	Federally enforceable
RULE 1171	5-1-2009	Non federally enforceable
RULE 1303(a)	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(a)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(1)-Modeling	12-6-2002	Non federally enforceable
RULE 1303(b)(1)-Modeling	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	3-4-2005	Non federally enforceable
RULE 1401	6-5-2009	Non federally enforceable
RULE 1402	3-4-2005	Non federally enforceable
RULE 1415	10-14-1994	Non federally enforceable
RULE 204	10-8-1993	Federally enforceable
RULE 212	11-14-1997	Non federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 218	5-14-1999	Non federally enforceable
RULE 218	8-7-1981	Federally enforceable
RULE 219	6-1-2007	Non federally enforceable
RULE 219	9-4-1981	Federally enforceable
RULE 3002	11-14-1997	Federally enforceable

FACILITY PERMIT TO OPERATE MM WEST COVINA LLC

SECTION K: TITLE V Administration

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 3003	11-14-1997	Federally enforceable
RULE 3003	3-16-2001	Non federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable
RULE 3005	11-14-1997	Federally enforceable
RULE 3005	3-16-2001	Non federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 304	5-2-2008	Non federally enforceable
RULE 401	11-9-2001	Non federally enforceable
RULE 401	3-2-1984	Federally enforceable
RULE 402	5-7-1976	Non federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 430	7-12-1996	Non 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
40CFR 60 Subpart F	5-3-1989	Federally enforceable
40CFR 60 Subpart KKKK	7-6-2006	Federally enforceable
40CFR 60 Subpart WWW	10-17-2000	Federally enforceable
40CFR 63 Subpart AAAA	4-20-2006	Federally enforceable
RULE 701	6-13-1997	Federally enforceable

**FACILITY PERMIT TO OPERATE
MM WEST COVINA LLC**

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

NONE

**FACILITY PERMIT TO OPERATE
 MM WEST COVINA LLC**

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

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

TABLE OF STANDARDS

VOC LIMITS

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

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

FACILITY PERMIT TO OPERATE

MM WEST COVINA LLC

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

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

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

FACILITY PERMIT TO OPERATE
MM WEST COVINA LLC

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

TABLE OF STANDARDS (cont.)

VOC LIMITS

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

FACILITY PERMIT TO OPERATE

MM WEST COVINA LLC

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

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

FACILITY PERMIT TO OPERATE
MM WEST COVINA LLC

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

TABLE OF STANDARDS
VOC LIMITS

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

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

FACILITY PERMIT TO OPERATE
MM WEST COVINA LLC

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

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

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

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

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

FACILITY PERMIT TO OPERATE
MM WEST COVINA LLC

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

TABLE OF STANDARDS (cont.)
VOC LIMITS

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

**FACILITY PERMIT TO OPERATE
 MM WEST COVINA LLC**

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

(1) Solvent Requirements

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

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

FACILITY PERMIT TO OPERATE
MM WEST COVINA LLC

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

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

FACILITY PERMIT TO OPERATE

MM WEST COVINA LLC

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

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

FACILITY PERMIT TO OPERATE
MM WEST COVINA LLC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 5-1-2009]

(1) Solvent Requirements

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

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	
(iii) Medical Devices & Pharmaceuticals	800 (6.7)	
(B) Repair and Maintenance Cleaning		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	

FACILITY PERMIT TO OPERATE
MM WEST COVINA LLC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 5-1-2009]

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY (cont.)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(iii) Medical Devices & Pharmaceuticals		
(A) Tools, Equipment, & Machinery	800 (6.7)	
(B) General Work Surfaces	600 (5.0)	
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)	
(D) Cleaning of Ink Application Equipment		
(i) General	25 (0.21)	
(ii) Flexographic Printing	25 (0.21)	
(iii) Gravure Printing		
(A) Publication	100 (0.83)	
(B) Packaging	25 (0.21)	
(iv) Lithographic (Offset) or Letter Press Printing		
(A) Roller Wash, Blanket Wash, & On-Press Components	100 (0.83)	

FACILITY PERMIT TO OPERATE
MM WEST COVINA LLC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 5-1-2009]

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY (cont.)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(B) Removable Press Components	25 (0.21)	
(v) Screen Printing	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)	
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)	

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

FACILITY PERMIT TO OPERATE

MM WEST COVINA LLC

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

The operator shall not discharge into the atmosphere from this equipment, particulate matter in excess of the concentration at standard conditions, shown in Table 404(a).

Where the volume discharged is between figures listed in the Table, the exact concentration permitted to be discharged shall be determined by linear interpolation.

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

TABLE 404(a)

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
		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
50	1766	347	.152	1400	49440	100	.0437
60	2119	324	.141	1500	52970	97	.0424
70	2472	306	.134	1750	61800	92	.0402

FACILITY PERMIT TO OPERATE

MM WEST COVINA LLC

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

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