

## **FACILITY PERMIT TO OPERATE**

**WESTERN TUBE & CONDUIT CORP  
2001 E DOMINGUEZ ST  
LONG BEACH, CA 90801**

### **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 WESTERN TUBE & CONDUIT CORP

### TABLE OF CONTENTS

Section	Description	Revision #	Date Issued
A	Facility Information	DRAFT	06/08/2012
B	RECLAIM Annual Emission Allocation	DRAFT	06/08/2012
C	Facility Plot Plan	TO BE DEVELOPED	
D	Facility Description and Equipment Specific Conditions	DRAFT	06/08/2012
E	Administrative Conditions	DRAFT	06/08/2012
F	RECLAIM Monitoring and Source Testing Requirements	DRAFT	06/08/2012
G	Recordkeeping and Reporting Requirements for RECLAIM Sources	DRAFT	06/08/2012
H	Permit To Construct and Temporary Permit to Operate	DRAFT	06/08/2012
I	Compliance Plans & Schedules	DRAFT	06/08/2012
J	Air Toxics	DRAFT	06/08/2012
K	Title V Administration	DRAFT	06/08/2012
 Appendix			
A	NOx and SOx Emitting Equipment Exempt From Written Permit Pursuant to Rule 219	DRAFT	06/08/2012
B	Rule Emission Limits	DRAFT	06/08/2012

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### SECTION A: FACILITY INFORMATION

**LEGAL OWNER &/OR OPERATOR:** WESTERN TUBE & CONDUIT CORP

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

**EQUIPMENT LOCATION:** 2001 E DOMINGUEZ ST  
 LONG BEACH, CA 90801

**MAILING ADDRESS:** P O BOX 2720  
 LONG BEACH, CA 90801-2720

**RESPONSIBLE OFFICIAL:** ICHIRO YASUMURA

**TITLE:** PRESIDENT & CEO

**TELEPHONE NUMBER:** (310) 537-6300

**CONTACT PERSON:** KEVIN CARROLL

**TITLE:** PROCESS ENGINEER

**TELEPHONE NUMBER:** (310) 669-2244

**TITLE V PERMIT ISSUED:** October 01, 2006

**TITLE V PERMIT EXPIRATION DATE:** September 30, 2011

<b>TITLE V</b>	<b>RECLAIM</b>
YES	<b>NOx: NO</b> <b>SOx: NO</b> <b>CYCLE: 0</b> <b>ZONE: COASTAL</b>

**FACILITY PERMIT TO OPERATE  
WESTERN TUBE & CONDUIT CORP**

**SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION**

NOT APPLICABLE

**FACILITY PERMIT TO OPERATE  
WESTERN TUBE & CONDUIT CORP**

**SECTION C: FACILITY PLOT PLAN**

(TO BE DEVELOPED)

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **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 WESTERN TUBE & CONDUIT CORP

### 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
471341	F98027	COATING & DRYING EQ. CONT. ORGANIC
369295	F31125	OVEN, BAKING
445303	F77597	COATING & DRYING EQ. CONT. ORGANIC
471340	F98026	COATING & DRYING EQ. CONT. ORGANIC
369303	F31267	OVEN, BAKING
445304	F77958	COATING & DRYING EQ. CONT. ORGANIC
249509	D43449	SCRUBBER, OTHER VENTING S.S.
389690	F43355	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)
337646	F13279	SPRAY EQUIPMENT OPEN
369296	F31126	SPRAY EQUIPMENT OPEN
369305	F31269	SPRAY EQUIPMENT OPEN
470496	F98024	SPRAY EQUIPMENT OPEN
470497	F98025	COATING & DRYING EQ. CONT. ORGANIC
470494	F98022	COATING & DRYING EQ. CONT. ORGANIC
389687	F43353	COATING & DRYING EQ. CONT. ORGANIC
249519	D41409	I C E (50-500 HP) EM ELEC GEN-DIESEL
459071	F83922	SPRAY BOOTH PAINT AND SOLVENT
396472	F50517	I C E (50-500 HP) ELEC GEN-NATURAL GAS
369709	F48372	SCRUBBER, OTHER VENTING S.S.
470492	G1788	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)
471342	F98028	COATING & DRYING EQ. CONT. ORGANIC
369714	F48374	OVEN, CURING
445305	F77959	SPRAY MACHINE – COATING
470490	F98021	FLOW COATER
470488	F98019	FLOW COATER
470489	F98020	FLOW COATER
470480	F98017	SPRAY BOOTH PAINT AND SOLVENT
502918	G12447	AFTERBURNER HOT ROCK BED TYPE
506173	G12465	AFTERBURNER HOT ROCK BED TYPE
516743		GALVANIZING LINE NO.2
516744		GALVANIZING LINE NO.4
516745		GALVANIZING LINE NO.6
513986		TANK, SURFACE PREPARATION – OTHER ACIDS
513988		SCRUBBER, CONTROLLING HCL OR NH3 VENT MS
513990		HEATER/FURNACE (5-20 MMBTU/HR) NAT GAS
513994		BAGHOUSE, AMBIENT TEMP (>500 SQ FT)

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

513997		BOILER (5-20 MMBTU/HR) NAT GAS
514000		BAGHOUSE, AMBIENT TEMP (>500 SQ FT)
519893		I C E (50-500 HP) EM ELEC GEN-DIESEL
521682		I C E (50-500 HP) EM ELEC GEN-NAT GAS
527966		AFTERBURNER HOT ROCK BED TYPE
534582		GALVANIZING LINE NO. 4

**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 WESTERN TUBE & CONDUIT CORP**

### **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 RINGELMANN CHART, AS PUBLISHED BY THE UNITED STATES BUREAU OF MINES; OR
  - B. OF SUCH OPACITY AS TO OBSCURE AN OBSERVER'S VIEW TO A DEGREE EQUAL TO OR GREATER THAN DOES SMOKE DESCRIBED IN SUBPARAGRAPH (A) OF THIS CONDITION.  
[RULE 401]
2. THE TOTAL QUANTITY OF VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS DISCHARGED TO THE ATMOSPHERE AT THIS FACILITY SHALL NOT EXCEED 1417 POUNDS IN ANY ONE DAY. FOR EQUIPMENT THAT IS VENTED TO AIR POLLUTION CONTROL (APC) EQUIPMENT, VOC EMISSIONS SHALL BE CALCULATED USING THE REQUIRED OVERALL CONTROL EFFICIENCY FOR VOC SPECIFIED IN THE PERMITS FOR THE APC EQUIPMENT.  
[RULE 1303(b)(2)-OFFSET]
3. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THE FACILITY TO VERIFY DAILY VOC EMISSIONS, IN POUNDS, AND THE VOC CONTENT OF EACH MATERIAL, AS APPLIED, INCLUDING WATER AND EXEMPT COMPOUNDS.  
[RULES 109, 1303(b)(2)-OFFSET]
4. THE OPERATOR SHALL NOT USE FUEL OIL CONTAINING SULFUR COMPOUNDS IN EXCESS OF 0.05 PERCENT BY WEIGHT.  
[RULE 431.2]
5. AFTER JUNE 1, 2004, THE OPERATOR SHALL NOT PURCHASE ANY DIESEL FUEL 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]
6. MATERIAL SAFETY DATA SHEETS FOR ALL COATINGS AND SOLVENTS USED AT THIS FACILITY AND SUBJECT TO DISTRICT RULES SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1303(b)(2)-OFFSET]
7. TO MAINTAIN EXEMPTION FROM THE NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP) REQUIREMENTS, THE TOTAL QUANTITY OF HAZARDOUS AIR POLLUTANT (HAP) EMISSIONS FROM THIS FACILITY SHALL NOT EXCEED 10 TONS (20,000 POUNDS) OF A SINGLE HAP OR 25 TONS (50,000 POUNDS) OF A COMBINATION OF HAPS IN ANY TWELVE CALENDAR MONTH PERIOD.  
[40CFR63 SUBPART MMMM, 40CFR63 SUBPART ZZZZ]

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

8. TO ENSURE COMPLIANCE WITH THE HAP(S) EMISSION CAPS, THE FACILITY OPERATOR SHALL:
- (A) IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT AND THIS FACILITY TO VERIFY THE MONTHLY HAP EMISSIONS IN POUNDS AND THE HAP CONTENT OF EACH MATERIAL AS APPLIED (INCLUDING WATER AND EXEMPT COMPOUNDS). THE RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT.
  - (B) WITHIN 14 CALENDAR DAYS AFTER THE END OF EACH MONTH, TOTAL AND RECORD HAP EMISSIONS FOR THE MONTH FROM ALL EQUIPMENT AND OPERATIONS THAT ARE REQUIRED TO HAVE WRITTEN PERMITS OR ARE EXEMPT FROM WRITTEN PERMITS PURSUANT TO RULE 219. THE RECORD SHALL INCLUDE ANY PROCEDURES USED TO ACCOUNT FOR CONTROL DEVICE EFFICIENCIES AND/OR WASTE DISPOSAL. IT SHALL BE SIGNED AND CERTIFIED FOR ACCURACY BY THE HIGHEST RANKING INDIVIDUAL RESPONSIBLE FOR COMPLIANCE WITH DISTRICT RULES.
  - (C) MAINTAIN A SINGLE LIST WHICH INCLUDES ONLY THE NAME AND ADDRESS OF EACH PERSON FROM WHOM THE FACILITY ACQUIRED HAP-CONTAINING MATERIAL REGULATED BY THE DISTRICT THAT WAS USED OR STORED AT THE FACILITY DURING THE PRECEDING 12 MONTHS.
  - (D) RETAIN ALL PURCHASE INVOICES FOR ALL HAP-CONTAINING MATERIAL USED OR STORED AT THE FACILITY, AND ALL WASTE MANIFESTS FOR ALL WASTE HAP-CONTAINING MATERIAL REMOVED FROM THE FACILITY, FOR FIVE YEARS.  
[40CFR63 SUBPART MMMM]
9. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, RETAINED AT THE FACILITY FOR AT LEAST FIVE YEARS, AND MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.  
[40CFR63 SUBPART MMMM, RULES 109, 1303(B)(2)-OFFSET]

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

**Permit No. F98027**  
**A/N 471341**

#### **Equipment Description:**

OUTER DIAMETER COATING WIPER, LINE NO. 2, WITH 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. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1, EXCEPT LEAD CHROMATE, ETHYLENE GLYCOL MONOBUTYL ETHER, NAPHTHALENE, ISOPROPYL ALCOHOL, XYLENE, ETHYL BENZENE, FORMALDEHYDE, TOLUENE, PROPYLENE GLYCOL MONOMETHYL ETHER, CADMIUM AND NICKEL OXIDE WITH AN EFFECTIVE DATE OF MARCH 4, 2005 OR EARLIER.  
[RULE 1401]
4. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY 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 TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]
5. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.  
[RULE 1303(a)(1)-BACT]

#### **Emissions and Requirements:**

6. 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

**FACILITY PERMIT TO OPERATE  
WESTERN TUBE & CONDUIT CORP**

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **PERMIT TO OPERATE**

**Permit No. F31125  
A/N 369295**

#### **Equipment Description:**

OVEN, LINE NO. 2, AJAX, 8" W. X 36" L. X 8" H., 500 KW ELECTRICALLY HEATED, WITH 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 EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.  
[RULE 1303(a)(1)-BACT]
4. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY 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 TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]

#### **Emissions and Requirements:**

5. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULE AND REGULATION:  
  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

Permit No. F77957  
A/N 445303

#### Equipment Description:

INSIDE DIAMETER SPRAY ENCLOSURE, LINE NO. 2, TELLKAMP SYSTEMS, 5'-0" W. X 31'-6" L. X 2'-0" H., WITH A VINYL CURTAIN ENCLOSURE AND ONE 10 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. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY 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 TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]
4. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.  
[RULE 1303(a)(1)-BACT]
5. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1, WITH THE EXCEPTION OF CADMIUM, LEAD, TOLUENE, XYLENE, ETHYL BENZENE AND ISOPROPYL ALCOHOL, WITH AN EFFECTIVE DATE OF MARCH 4, 2005 OR EARLIER.  
[RULE 1401]
6. THE TOTAL WEIGHT PERCENT OF CADMIUM AND LEAD IN THE MATERIALS USED IN THIS EQUIPMENT SHALL NOT EXCEED 0.0003% AND 0.00006%, RESPECTIVELY.  
[RULE 1401]

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **Emissions and Requirements:**

7. 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 1171, SEE APPENDIX B FOR EMISSION LIMITS

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

PM: RULE 481

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

**Permit No. F98026  
A/N 471340**

#### **Equipment Description:**

OUTER DIAMETER COATING WIPER, LINE NO. 4, WITH 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. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY 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 TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]
4. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.  
[RULE 1303(a)(1)-BACT]
5. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1, EXCEPT LEAD CHROMATE, ETHYLENE GLYCOL MONOBUTYL ETHER, NAPHTHALENE, ISOPROPYL ALCOHOL, XYLENE, ETHYL BENZENE, FORMALDEHYDE, TOLUENE, PROPYLENE GLYCOL MONOMETHYL ETHER, CADMIUM AND NICKEL OXIDE WITH AN EFFECTIVE DATE OF MARCH 4, 2005 OR EARLIER.  
[RULE 1401]

#### **Emissions and Requirements:**

6. 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

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **PERMIT TO OPERATE**

**Permit No. F31267  
A/N 369303**

#### **Equipment Description:**

OVEN, LINE NO. 4, AJAX, 14" W. X 14" L. X 36" H., 750 KW ELECTRICALLY HEATED, WITH 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 EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.  
[RULE 1303(a)(1)-BACT]
4. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY 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 TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]

#### **Emissions and Requirements:**

5. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULE AND REGULATION:  
  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

Permit No. F77958  
A/N 445304

#### Equipment Description:

INSIDE DIAMETER SPRAY ENCLOSURE, LINE NO. 4, TELLKAMP SYSTEMS, 5'-6" W. X 30'-0" L. X 2'-0" H., WITH A VINYL CURTAIN ENCLOSURE AND ONE 10 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. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1, WITH EXCEPTION OF CADMIUM, LEAD, TOLUENE, XYLENE, ETHYL BENZENE, AND ISOPROPYL ALCOHOL, WITH AN EFFECTIVE DATE OF MARCH 4, 2005 OR EARLIER.  
[RULE 1401]
4. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY 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 TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]
5. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.  
[RULE 1303(a)(1)-BACT]
6. THE TOTAL WEIGHT PERCENT OF CADMIUM AND LEAD IN THE MATERIALS USED IN THIS EQUIPMENT SHALL NOT EXCEED 0.0003% AND 0.00006%, RESPECTIVELY.  
[RULE 1401]

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **Emissions and Requirements:**

7. 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 1171, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 481

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

Permit No. D43449  
A/N 249509

#### Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. WATER SCRUBBER, MODEL SEV-5085, 5'-0" DIA. X 10'-0" H., WITH A 2-HP WATER PUMP.
2. EXHAUST SYSTEM WITH A 10-HP BLOWER VENTING TWO INDUCTION COIL STATIONS AND TWO ACID PICKLING TANK STATIONS.

#### 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. NOT LESS THAN 80 GALLONS PER MINUTE OF SCRUBBING SOLUTION SHALL BE SUPPLIED TO THE SCRUBBER WHEN THE EQUIPMENT IT SERVES IS IN OPERATION.  
[RULE 1303(a)(1)-BACT]
4. A FLOWMETER, INDICATING GALLONS PER MINUTE SHALL BE INSTALLED IN THE SCRUBBING SOLUTION SUPPLY LINE TO THE SCRUBBER.  
[RULE 1303(a)(1)-BACT]
5. THE CAUSTIC SOLUTION SHALL BE MAINTAINED AT A MINIMUM pH LEVEL OF 8.0.  
[RULE 1303(a)(1)-BACT]

#### Periodic Monitoring:

6. THE OPERATOR SHALL DETERMINE AND RECORD THE FLOW RATE OF THE SCRUBBING SOLUTION ONCE EVERY DAY.  
[RULE 3004 (a)(4)]
7. THE OPERATOR SHALL INSTALL AND MAINTAIN A pH METER TO ACCURATELY INDICATE THE pH OF THE SCRUBBING SOLUTION. THE OPERATOR SHALL DETERMINE AND RECORD THE PARAMETER BEING MONITORED ONCE EVERY DAY.  
[RULE 3004 (a)(4)]

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **Emissions and Requirements:**

8. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULE AND REGULATION:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

Permit No. F43355  
A/N 389690

#### Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. BAGHOUSE, REES, BLOW PIPE, MODEL 3-1800AE, S/N M6154, WITH 360 FILTER BAGS, EACH 6" DIA. X 11'-2" L., THREE ½ HP SHAKERS, ONE 1 HP SCREEN CONVEYOR AND AN ENCLOSED DUST CONTAINER.
2. EXHAUST SYSTEM, WITH A 30 HP BLOWER VENTING TWO GALVANIZING FURNACES AND DROSS CONTAINERS.

#### 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. DUST COLLECTED IN THE BAGHOUSE SHALL BE DISCHARGED ONLY INTO CLOSED CONTAINERS.  
[RULE 1303(a)(1)-BACT]

#### Periodic Monitoring:

4. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON A QUARTERLY BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE QUARTERLY PERIOD. THE ROUTINE QUARTERLY INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED, THE OPERATOR SHALL TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT.  
THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:
  - A. STACK OR EMISSION POINT IDENTIFICATION;
  - B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS; AND
  - C. DATE AND TIME VISIBLE EMISSION WAS ABATED.[RULE 3004 (a)(4)]

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

5. THE OPERATOR SHALL PERFORM AN ANNUAL INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
  - A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
  - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
  - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.[RULE 3004 (a)(4)]

### **Emissions and Requirements:**

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 1155  
VISIBLE EMISSIONS: 0 PERCENT OPACITY, RULE 1155

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

Permit No. F13279  
A/N 337646

#### Equipment Description:

OPEN SPRAY EQUIPMENT, METALIZING, SULZER-METCO, MODEL TYPE 5K.

#### 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. THE TOTAL QUANTITY OF ZINC METALIZING WIRE USED IN THIS EQUIPMENT SHALL NOT EXCEED 400 POUNDS IN ANY ONE DAY.  
[RULE 1303(b)(2)-OFFSET]
4. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO VERIFY THE DAILY USAGE OF ZINC METALIZING WIRE. ALL RECORDS SHALL BE RETAINED ON THE PREMISES FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1303(b)(2)-OFFSET]
5. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY COMPOUND IDENTIFIED AS A CARCINOGENIC AIR CONTAMINANT IN RULE 1401, AS AMENDED DECEMBER 7, 1990.  
[RULE 1401]

#### Periodic Monitoring:

6. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON A SEMI-ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE SEMI-ANNUAL PERIOD. THE ROUTINE SEMI-ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS.

IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE-HOUR, THE OPERATOR SHALL VERIFY AND CERTIFY WITHIN 24 HOURS THAT THE EQUIPMENT CAUSING THE EMISSION AND ANY ASSOCIATED AIR POLLUTION CONTROL EQUIPMENT ARE OPERATING NORMALLY ACCORDING TO THEIR DESIGN AND STANDARD PROCEDURES AND UNDER THE SAME CONDITIONS UNDER WHICH COMPLIANCE WAS ACHIEVED IN THE PAST, AND EITHER:

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

- A. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT; OR
- 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.

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:**

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

PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 481

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

**Permit No. F31126  
A/N 369296**

#### **Equipment Description:**

OPEN SPRAY EQUIPMENT CONSISTING OF:

1. TWO HVLP SPRAY GUNS.
2. ONE 5 GALLON PRESSURE POT.

#### **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. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY 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 TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]

#### **Emissions and Requirements:**

4. 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 1171, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 481

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

**Permit No. F31269**  
**A/N 369305**

#### **Equipment Description:**

OPEN SPRAY EQUIPMENT CONSISTING OF:

1. TWO HVLP SPRAY GUNS.
2. TWO 5 GALLON PRESSURE POTS.

#### **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. THE TOTAL AMOUNT OF VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS DISCHARGED FROM THIS EQUIPMENT SHALL NOT EXCEED 40 POUNDS IN ANY ONE DAY.  
[RULE 1303(b)(2)-OFFSET]
4. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY 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 TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]
5. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY CARCINOGENIC COMPOUNDS (i.e. COMPOUNDS LISTED WITH A UNIT RISK FACTOR) IDENTIFIED IN RULE 1401, TABLE 1, WITH AN EFFECTIVE DATE OF DECEMBER 7, 1990 OR EARLIER.  
[RULE 1401]

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **Emissions and Requirements:**

6. 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 1171, SEE APPENDIX B FOR EMISSION LIMITS

PM: RULE 481

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

**Permit No. F98024**  
**A/N 470496**

#### **Equipment Description:**

OPEN SPRAY EQUIPMENT CONSISTING OF:

1. ONE HVLP SPRAY GUN.
2. ONE 5 GALLON PRESSURE POT, LE GRANGE.
3. AIR MIX MOTOR, DEVILBISS TYPE QS.

#### **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. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY 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 TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]
4. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY CARCINOGENIC COMPOUNDS (i.e. COMPOUNDS LISTED WITH A UNIT RISK FACTOR) IDENTIFIED IN RULE 1401, TABLE I, WITH AN EFFECTIVE DATE OF DECEMBER 7, 1990 OR EARLIER.  
[RULE 1401]

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **Emissions and Requirements:**

5. 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 1171, SEE APPENDIX B FOR EMISSION LIMITS

PM: RULE 481

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

Permit No. F98025  
A/N 470497

#### Equipment Description:

CONVEYORIZED SPRAY SYSTEM CONSISTING OF:

1. TWO HVLP SPRAY GUNS, BINKS MACH I, MODEL NO. BBR.
2. EXHAUST SYSTEM CONSISTING OF TWO 1'-4" X 2'-6" EXHAUST FILTERS AND ONE 1 ½ HP EXHAUST FAN.
3. ONE 1 HP CONVEYOR MOTOR.

#### 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. THE TOTAL AMOUNT OF VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS DISCHARGED TO THE ATMOSPHERE FROM THIS EQUIPMENT SHALL NOT EXCEED 21 POUNDS IN ANY ONE DAY.  
[RULE 1303(b)(2)-OFFSET]
4. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY CARCINOGENIC COMPOUNDS (i.e. COMPOUNDS LISTED WITH A UNIT RISK FACTOR) IDENTIFIED IN RULE 1401, TABLE 1 WITH AN EFFECTIVE DATE OF DECEMBER 7, 1990 OR EARLIER.  
[RULE 1401]
5. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY 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 TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]

#### Periodic Monitoring:

6. THE OPERATOR SHALL PERFORM A WEEKLY INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

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

- A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
  - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
  - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.  
[RULE 3004 (a)(4)]
7. THE OPERATOR SHALL NOT USE THIS EQUIPMENT UNLESS ALL EXHAUST AIR PASSES THROUGH A FILTER MEDIA AT LEAST 2 INCHES THICK.  
[RULE 3004 (a)(4)]
8. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE DIFFERENTIAL PRESSURE ACROSS THE FILTER DOES NOT EXCEED 0.25 INCHES WATER COLUMN. TO COMPLY WITH THIS CONDITION THE OPERATOR SHALL INSTALL AND MAINTAIN A PRESSURE GAUGE TO ACCURATELY INDICATE THE DIFFERENTIAL PRESSURE ACROSS THE FILTER. THE OPERATOR SHALL DETERMINE AND RECORD THE PARAMETER BEING MONITORED ONCE EVERY WEEK.  
[RULE 3004 (a)(4)]

### **Emissions and Requirements:**

9. 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 1171, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 481

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

**Permit No. F98022**  
**A/N 470494**

#### **Equipment Description:**

CONVEYORIZED SPRAY SYSTEMS CONSISTING OF:

1. TWO HVLP SPRAY GUNS, BINKS MACH I, MODEL NO. BBR.
2. EXHAUST SYSTEM CONSISTING OF TWO 1'-4" X 2'-6" EXHAUST FILTERS AND ONE 1 ½ HP EXHAUST FAN.
3. ONE 1 HP CONVEYOR MOTOR.

#### **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. THE TOTAL AMOUNT OF VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS DISCHARGED TO THE ATMOSPHERE FROM THIS EQUIPMENT SHALL NOT EXCEED 21 POUNDS IN ANY ONE DAY.  
[RULE 1303(b)(2)-OFFSET]
4. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY CARCINOGENIC COMPOUNDS (i.e. COMPOUNDS LISTED WITH A UNIT RISK FACTOR) IDENTIFIED IN RULE 1401, TABLE 1 WITH AN EFFECTIVE DATE OF DECEMBER 7, 1990 OR EARLIER.  
[RULE 1401]
5. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY 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 TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]

#### **Periodic Monitoring:**

6. THE OPERATOR SHALL PERFORM A WEEKLY INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

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

- A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
  - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
  - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.  
[RULE 3004 (a)(4)]
7. THE OPERATOR SHALL NOT USE THIS EQUIPMENT UNLESS ALL EXHAUST AIR PASSES THROUGH A FILTER MEDIA AT LEAST 2 INCHES THICK.  
[RULE 3004 (a)(4)]
8. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE DIFFERENTIAL PRESSURE ACROSS THE FILTER DOES NOT EXCEED 0.25 INCHES WATER COLUMN. TO COMPLY WITH THIS CONDITION THE OPERATOR SHALL INSTALL AND MAINTAIN A PRESSURE GAUGE TO ACCURATELY INDICATE THE DIFFERENTIAL PRESSURE ACROSS THE FILTER. THE OPERATOR SHALL DETERMINE AND RECORD THE PARAMETER BEING MONITORED ONCE EVERY WEEK.  
[RULE 3004 (a)(4)]

### **Emissions and Requirements:**

9. 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 1171, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 481

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

Permit No. F43353  
A/N 389687

#### Equipment Description:

CONVEYORIZED SPRAY SYSTEMS CONSISTING OF:

1. FOUR HVLP SPRAY GUNS, BINKS MACH 1, MODEL NO. BBR.
2. EXHAUST SYSTEM CONSISTING OF TWO 6" X 60" EXHAUST FILTERS AND ONE 1 ½ HP EXHAUST FAN.
3. ONE ½ HP CONVEYOR MOTOR.

#### 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. THE TOTAL AMOUNT OF VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS DISCHARGED TO THE ATMOSPHERE FROM THIS EQUIPMENT SHALL NOT EXCEED 21 POUNDS IN ANY ONE DAY.  
[RULE 1303(b)(2)-OFFSET]
4. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY CARCINOGENIC COMPOUNDS (i.e. COMPOUNDS LISTED WITH A UNIT RISK FACTOR) IDENTIFIED IN RULE 1401, TABLE 1 WITH AN EFFECTIVE DATE OF DECEMBER 7, 1990 OR EARLIER.  
[RULE 1401]
5. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY 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 TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]

#### Periodic Monitoring:

6. THE OPERATOR SHALL PERFORM A WEEKLY INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

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

- A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
  - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
  - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.  
[RULE 3004 (a)(4)]
7. THE OPERATOR SHALL NOT USE THIS EQUIPMENT UNLESS ALL EXHAUST AIR PASSES THROUGH A FILTER MEDIA AT LEAST 2 INCHES THICK.  
[RULE 3004 (a)(4)]
8. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE DIFFERENTIAL PRESSURE ACROSS THE FILTER DOES NOT EXCEED 0.25 INCHES WATER COLUMN. TO COMPLY WITH THIS CONDITION THE OPERATOR SHALL INSTALL AND MAINTAIN A PRESSURE GAUGE TO ACCURATELY INDICATE THE DIFFERENTIAL PRESSURE ACROSS THE FILTER. THE OPERATOR SHALL DETERMINE AND RECORD THE PARAMETER BEING MONITORED ONCE EVERY WEEK.  
[RULE 3004 (a)(4)]

### **Emissions and Requirements:**

9. 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 1171, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 481

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

**Permit No. R-D41409**  
**A/N 249519**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, WHITE, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATOR, MODEL NO. 4014048, 6 CYLINDERS, 4 CYCLES, TURBOCHARGED, 180 BHP, WITH 1 EXHAUST.

#### **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]

#### **Periodic Monitoring:**

3. THE OPERATOR SHALL LIMIT THE OPERATING TIME OF THE ENGINE TO LESS THAN 200 HOURS IN ANY ONE YEAR. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.  
[RULE 3004 (a)(4)]
4. A LOG LISTING THE ENGINE OPERATING TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1110.2, 1304(a)(4)]

#### **Emissions and Requirements:**

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 1470  
HAP: 40 CFR 63 Subpart ZZZZ, SEE SECTION J FOR REQUIREMENTS

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

Permit No. F83922  
A/N 459071

#### Equipment Description:

SPRAY BOOTH, FLOOR TYPE, EAGLE, MODEL NO. EIB 68, 8'-8" W. X 6'-0" D. X 9'-6" H., WITH EIGHT 20" X 20" EXHAUST FILTERS AND ONE 2 HP EXHAUST FAN.

#### 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 NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST TWO 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 EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL SHALL NOT EXCEED 0.25 INCH OF WATER.  
[RULE 1303(a)(1)-BACT]
5. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1, WITH THE EXCEPTION OF TOLUENE, ETHYL BENZENE AND XYLENE WITH AN EFFECTIVE DATE OF MAY 2, 2003 OR EARLIER.  
[RULE 1401]
6. ONLY TOUCH-UP COATINGS SHALL BE APPLIED IN THIS EQUIPMENT.  
[RULE 1132]
7. THE VOC CONTENT OF THE TOUCH-UP COATINGS SHALL NOT EXCEED 1.23 POUNDS PER GALLON, LESS WATER AND EXEMPT COMPOUNDS.  
[RULE 1132]
8. THE TOTAL AMOUNT OF VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS DISCHARGED TO THE ATMOSPHERE FROM THIS EQUIPMENT SHALL NOT EXCEED 30 POUNDS IN ANY ONE DAY.  
[RULE 1303(b)(2)-OFFSET]

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

9. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY 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 TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]

### **Periodic Monitoring:**

10. THE OPERATOR SHALL DETERMINE AND RECORD THE PRESSURE DROP ACROSS THE FILTER MEDIA ONCE EVERY WEEK.  
[RULE 3004 (a)(4)]
11. THE OPERATOR SHALL PERFORM A WEEKLY INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
- A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
  - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
  - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.
- [RULE 3004 (a)(4)]

### **Emissions and Requirements:**

12. 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 1171, SEE APPENDIX B FOR EMISSION LIMITS
  - VOC: RULE 1132
  - PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
  - PM: RULE 481

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

Permit No. F50517  
A/N 396472

#### Equipment Description:

INTERNAL COMBUSTION ENGINE, GENERAC, NATURAL GAS FIRED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 5.7 NGNA, NATURALLY ASPIRATED, EIGHT CYLINDERS, FOUR CYCLE, 91½ BHP, WITH A THREE-WAY CATALYTIC CONVERTER.

#### 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 NOT BE OPERATED IN EXCESS OF THE FOLLOWING EMISSION LIMITS:  
  
NOX = 1.5 G/BHP-HR  
VOC = 1.5 G/BHP-HR  
CO = 2.0 G/BHP-HR  
[RULE 1303(a)(1)-BACT]
4. A NON-RESETTABLE TIMER SHALL BE INSTALLED AND MAINTAINED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1110.2, 1304(a)(4)]
5. THIS ENGINE SHALL BE OPERATED LESS THAN 200 HOURS IN ANY ONE YEAR.  
[RULE 1110.2, 1304(a)(4)]
6. A LOG LISTING THE ENGINE OPERATING TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1110.2, 1304(a)(4)]

#### Periodic Monitoring:

7. THE OPERATOR SHALL INSTALL AND MAINTAIN A TEMPERATURE GAUGE TO ACCURATELY INDICATE THE TEMPERATURE AT THE INLET AND OUTLET OF THE CATALYST. THE OPERATOR SHALL ALSO INSTALL AND MAINTAIN A DEVICE TO CONTINUOUSLY RECORD THE PARAMETER BEING MEASURED.  
[RULE 3004 (a)(4)]

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **Emissions and Requirements:**

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
NOX: 1.5 G/BHP-HR, RULE 1303(a)(1)-BACT  
VOC: 1.5 G/BHP-HR, RULE 1303(a)(1)-BACT  
CO: 2.0 G/BHP-HR, RULE 1303(a)(1)-BACT  
HAP: 40 CFR 63 Subpart ZZZZ, SEE SECTION J FOR REQUIREMENTS

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

Permit No. F48372  
A/N 369709

#### Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. SCRUBBER, VANAIRE, PACKED-BED TYPE, 3'-6" DIA. X 15'-0' H., WITH A 3'-6" DIA. X 0'-8" H. MIST ELIMINATOR.
2. EXHAUST SYSTEM CONSISTING OF ONE 3 HP BLOWER VENTING ONE INDUCTION COIL STATION AND ONE ACID PICKLING TANK.

#### 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. THE pH CONTROLLER FOR THE CIRCULATING SCRUBBING SOLUTION OF THIS EQUIPMENT SHALL BE SET AT 9 OR HIGHER.  
[RULE 1303(a)(1)-BACT]
4. A FLOWMETER, INDICATING GALLONS PER MINUTE (GPM), SHALL BE INSTALLED AND MAINTAINED IN THE CIRCULATING SCRUBBING SOLUTION SUPPLY LINE TO THE SPRAY NOZZLES.  
[RULE 1303(a)(1)-BACT]
5. THE CIRCULATING SCRUBBING SOLUTION SUPPLIED TO THE SPRAY NOZZLES SHALL NOT BE LESS THAN 60 GPM WHENEVER THE EQUIPMENT SERVED BY THIS SCRUBBER IS IN OPERATION.  
[RULE 1303(a)(1)-BACT]

#### Periodic Monitoring:

6. THE OPERATOR SHALL DETERMINE AND RECORD THE FLOW RATE OF THE SCRUBBING SOLUTION ONCE EVERY DAY.  
[RULE 3004 (a)(4)]
7. THE OPERATOR SHALL DETERMINE AND RECORD THE pH OF THE SCRUBBING SOLUTION ONCE EVERY DAY.  
[RULE 3004 (a)(4)]

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **Emissions and Requirements:**

8. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULE AND REGULATION:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

Permit No. G1788  
A/N 470492

#### Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. BAGHOUSE, SULZER METCO, MODEL NO. SME12-35, WITH TWELVE 14" DIA. X 26" L. CARTRIDGE FILTERS.
2. EXHAUST SYSTEM CONSISTING OF ONE 15 H.P. EXHAUST BLOWER VENTING ONE ZINC GALVANIZING FURNACE AND A DROSS CONTAINER.

#### 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. DUST COLLECTED IN THE BAGHOUSE SHALL BE DISCHARGED ONLY INTO CLOSED CONTAINERS.  
[RULE 1303(a)(1)-BACT]
4. THE OPERATOR SHALL INSTALL AND MAINTAIN A DIFFERENTIAL PRESSURE GAUGE TO ACCURATELY INDICATE THE DIFFERENTIAL PRESSURE ACROSS THE CARTRIDGE FILTERS.  
[RULE 1303(a)(1)-BACT]
5. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE DIFFERENTIAL PRESSURE BEING MONITORED DOES NOT EXCEED 5 INCHES OF WATER COLUMN.  
[RULE 1303(a)(1)-BACT]

#### Periodic Monitoring:

6. THE OPERATOR SHALL PERFORM AN ANNUAL INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
  - A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
  - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.  
[RULE 3004 (a)(4)]

7. THE OPERATOR SHALL DETERMINE AND RECORD THE PRESSURE DROP ACROSS THE BAGS ONCE EVERY WEEK.  
[RULE 3004 (a)(4)]

### **Emissions and Requirements:**

8. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULE AND REGULATION:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 1155  
VISIBLE EMISSIONS: 0 PERCENT OPACITY, RULE 1155

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

**Permit No. F98028**  
**A/N 471342**

#### **Equipment Description:**

OUTER DIAMETER COATING WIPER, LINE NO. 6, WITH 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. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1, EXCEPT LEAD CHROMATE, ETHYLENE GLYCOL MONOBUTYL ETHER, NAPHTHALENE, ISOPROPYL ALCOHOL, XYLENE, ETHYL BENZENE, FORMALDEHYDE, TOLUENE, PROPYLENE GLYCOL MONOMETHYL ETHER, CADMIUM AND NICKEL OXIDE WITH AN EFFECTIVE DATE OF MARCH 4, 2005 OR EARLIER.  
[RULE 1401]
4. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY 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 TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]
5. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.  
[RULE 1303(a)(1)-BACT]

#### **Emissions and Requirements:**

6. 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

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **PERMIT TO OPERATE**

**Permit No. F48374  
A/N 369714**

#### **Equipment Description:**

OVEN, LINE NO. 6, AJAX, 10" W. X 72" L. X 10" H., 500 KW ELECTRICALLY HEATED, WITH 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 EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.  
[RULE 1303(a)(1)-BACT]
4. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY 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 TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]

#### **Emissions and Requirements:**

5. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

**Permit No. F77959**  
**A/N 445305**

#### **Equipment Description:**

INSIDE DIAMETER SPRAY ENCLOSURE, LINE NO. 6, INDUSTRIAL SHEET METAL, 8'-0" W. X 32'-0" L. X 2'-6" H., WITH ONE 10 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. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1, WITH THE EXCEPTION OF CADMIUM, LEAD, TOLUENE, XYLENE AND ISOPROPYL ALCOHOL, WITH AN EFFECTIVE DATE OF MARCH 4, 2005 OR EARLIER.  
[RULE 1401]
4. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY 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 TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]
5. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.  
[RULE 1303(a)(1)-BACT]
6. THE TOTAL WEIGHT PERCENT OF CADMIUM AND LEAD IN THE MATERIALS USED IN THIS EQUIPMENT SHALL NOT EXCEED 0.0003% AND 0.00006%, RESPECTIVELY.  
[RULE 1401]

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **Emissions and Requirements:**

7. 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 1171, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 481

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

**Permit No. F98021  
A/N 470490**

#### **Equipment Description:**

FLOW COATER, LINE NO. 1, ANTI-RUST OIL, 1'-5" L. X 1'-5" H.

#### **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. THE VOC CONTENT OF THE MATERIALS USED IN THIS EQUIPMENT SHALL NOT EXCEED 5% BY WEIGHT.  
[RULE 1303(a)(1)-BACT]
4. THE TOTAL QUANTITY OF MATERIALS USED IN THIS EQUIPMENT SHALL NOT EXCEED 65.5 GALLONS IN ANY ONE DAY.  
[RULE 1303(b)(2)-OFFSET]
5. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1 WITH AN EFFECTIVE DATE OF MAY 3, 2002 OR EARLIER.  
[RULE 1401]
6. IN ADDITION TO THE RECORD KEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY 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 TO DISTRICT PERSONNEL UPON REQUEST.  
[RULES 109, 1303(b)(2)-OFFSET]

#### **Emissions and Requirements:**

7. 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 1144, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

**Permit No. F98019**  
**A/N 470488**

#### **Equipment Description:**

FLOW COATER, LINE NO. 3, ANTI-RUST OIL, 1'-5" L. X 2'-6" W.

#### **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. THE VOC CONTENT OF THE MATERIALS USED IN THIS EQUIPMENT SHALL NOT EXCEED 5% BY WEIGHT.  
[RULE 1303(a)(1)-BACT]
4. THE TOTAL QUANTITY OF MATERIALS USED IN THIS EQUIPMENT SHALL NOT EXCEED 65.5 GALLONS IN ANY ONE DAY.  
[RULE 1303(b)(2)-OFFSET]
5. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1 WITH AN EFFECTIVE DATE OF MAY 3, 2002 OR EARLIER.  
[RULE 1401]
6. IN ADDITION TO THE RECORD KEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY 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 TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]

#### **Emissions and Requirements:**

7. 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 1144, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

**Permit No. F98020**  
**A/N 470489**

#### **Equipment Description:**

FLOW COATER, LINE NO. 5, ANTI-RUST OIL, 1'-5" L. X 2'-6" W.

#### **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. THE VOC CONTENT OF THE MATERIALS USED IN THIS EQUIPMENT SHALL NOT EXCEED 5% BY WEIGHT.  
[RULE 1303(a)(1)-BACT]
4. THE TOTAL QUANTITY OF MATERIALS USED IN THIS EQUIPMENT SHALL NOT EXCEED 65.5 GALLONS IN ANY ONE DAY.  
[RULE 1303(b)(2)-OFFSET]
5. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1 WITH AN EFFECTIVE DATE OF MAY 3, 2002 OR EARLIER.  
[RULE 1401]
6. IN ADDITION TO THE RECORD KEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY 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 TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]

#### **Emissions and Requirements:**

7. 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 1144, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

**Permit No. F98017  
A/N 470480**

#### **Equipment Description:**

SPRAY BOOTH, END SPRAY LINE NO. 6, EAGLE, FLOOR TYPE, MODEL NO. EIB-20-8, 20'-0" W. X 10'-6" D. X 8'-0" H., WITH THIRTY-SIX 20" X 20" EXHAUST FILTERS AND TWO 3 HP EXHAUST FANS.

#### **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 NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST TWO 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 EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL SHALL NOT EXCEED 0.25 INCH OF WATER.  
[RULE 1303(a)(1)-BACT]
5. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1, WITH THE EXCEPTION OF XYLENE, ETHYL BENZENE AND TOLUENE, WITH AN EFFECTIVE DATE OF MAY 2, 2003 OR EARLIER.  
[RULE 1401]
6. ONLY TOUCH-UP COATINGS SHALL BE APPLIED IN THIS EQUIPMENT.  
[RULE 1132]
7. THE VOC CONTENT OF THE TOUCH-UP COATINGS SHALL NOT EXCEED 1.23 POUNDS PER GALLON, LESS WATER AND EXEMPT COMPOUNDS.  
[RULE 1132]
8. THE VOC CONTENT OF THE COATINGS USED IN THIS EQUIPMENT SHALL NOT EXCEED 5% BY WEIGHT.  
[RULE 1303(a)(1)-BACT]
9. THE TOTAL QUANTITY OF VOC-CONTAINING MATERIALS USED THIS EQUIPMENT SHALL NOT EXCEED 25 GALLONS IN ANY ONE DAY.  
[RULE 1303(b)(2)-OFFSET]

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

10. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY 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 TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]

### Periodic Monitoring:

11. THE OPERATOR SHALL DETERMINE AND RECORD THE PRESSURE DROP ACROSS THE FILTER MEDIA ONCE EVERY WEEK.  
[RULE 3004 (a)(4)]
12. THE OPERATOR SHALL PERFORM A WEEKLY INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
- A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
  - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
  - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.
- [RULE 3004 (a)(4)]

### 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 1171, SEE APPENDIX B FOR EMISSION LIMITS
  - VOC: RULE 1132
  - PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
  - PM: RULE 481

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

Permit No. G12447  
A/N 502918

#### Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. REGENERATIVE THERMAL OXIDIZER, ADWEST TECHNOLOGIES, MODEL NO. RETOX 15.0 RTO95, 16'-2" W. X 25'-6" L. X 10'-9" H., 4,500,000 BTU PER HOUR NATURAL GAS-FIRED START-UP BURNER, ONE 2,200,000 BTU PER HOUR NATURAL GAS INJECTION SYSTEM, ONE 7.5 HP COMBUSTION AIR BLOWER, TWO HEAT EXCHANGER BEDS WITH A TOTAL OF 30,980 LBS OF CERAMIC MEDIA.
2. EXHAUST SYSTEM CONSISTING OF ONE 75 HP EXHAUST FAN VENTING ONE OUTER DIAMETER COATER ENCLOSED IN A PERMANENT TOTAL ENCLOSURE, ONE INSIDE DIAMETER SPRAY ENCLOSED IN A PERMANENT TOTAL ENCLOSURE AND ONE OVEN.

#### 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. THE OXIDIZER SHALL BE FIRED ON NATURAL GAS ONLY.  
[RULE 1303(a)(1)-BACT]
4. THE OPERATOR SHALL OPERATE AND MAINTAIN THIS EQUIPMENT ACCORDING TO THE FOLLOWING REQUIREMENTS:
  - A. THE COMBUSTION CHAMBER TEMPERATURE SHALL BE MAINTAINED AT A MINIMUM OF 1,400 DEGREES FAHRENHEIT WHENEVER THE EQUIPMENT IT SERVES IS IN OPERATION.
  - B. THE OPERATOR SHALL OPERATE AND MAINTAIN A TEMPERATURE MEASURING AND RECORDING SYSTEM TO CONTINUOUSLY MEASURE AND RECORD THE COMBUSTION CHAMBER TEMPERATURE PURSUANT TO THE OPERATION AND MAINTENANCE REQUIREMENTS SPECIFIED IN 40 CFR PART 64.7. SUCH A SYSTEM SHALL HAVE AN ACCURACY OF WITHIN 1% OF THE TEMPERATURE BEING MONITORED AND SHALL BE INSPECTED, MAINTAINED, AND CALIBRATED ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
  - C. FOR THE PURPOSE OF THIS CONDITION, A DEVIATION SHALL BE DEFINED AS WHEN A COMBUSTION CHAMBER TEMPERATURE OF LESS THAN 1,400 DEGREES FAHRENHEIT

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

OCCURS DURING NORMAL OPERATION OF THE EQUIPMENT IT SERVES. THE OPERATOR SHALL REVIEW THE RECORDS OF THE COMBUSTION CHAMBER TEMPERATURE ON A DAILY BASIS TO DETERMINE IF A DEVIATION OCCURS OR SHALL INSTALL AN ALARM SYSTEM TO ALERT THE OPERATOR WHEN A DEVIATION OCCURS.

- D. WHENEVER A DEVIATION OCCURS, THE OPERATOR SHALL INSPECT THIS EQUIPMENT TO IDENTIFY THE CAUSE OF SUCH A DEVIATION, TAKE IMMEDIATE CORRECTIVE ACTION TO MAINTAIN THE COMBUSTION CHAMBER TEMPERATURE AT OR ABOVE 1,400 DEGREES FAHRENHEIT, AND KEEP RECORDS OF THE DURATION AND CAUSE (INCLUDING UNKNOWN CAUSE, IF APPLICABLE) OF THE DEVIATION AND THE CORRECTIVE ACTION TAKEN.
  - E. ALL DEVIATIONS SHALL BE REPORTED TO THE AQMD PURSUANT TO THE REQUIREMENTS SPECIFIED IN 40 CFR PART 64.9 AND CONDITION NOS. 22 AND 23 IN SECTION K OF THIS PERMIT. THE REPORT SHALL INCLUDE THE TOTAL OPERATING TIME OF THIS EQUIPMENT AND THE TOTAL ACCUMULATED DURATION OF ALL DEVIATIONS FOR EACH SEMI-ANNUAL REPORTING PERIOD SPECIFIED IN CONDITION NO. 23 IN SECTION K OF THIS PERMIT.
  - F. THE OPERATOR SHALL SUBMIT AN APPLICATION WITH A QUALITY IMPROVEMENT PLAN (QIP) IN ACCORDANCE WITH 40 CFR PART 64.8 TO THE AQMD IF AN ACCUMULATION OF DEVIATIONS EXCEEDS 5 PERCENT DURATION OF THIS EQUIPMENT'S TOTAL OPERATING TIME FOR ANY SEMI-ANNUAL REPORTING PERIOD SPECIFIED IN CONDITION NO. 23 IN SECTION K OF THIS PERMIT. THE REQUIRED QIP SHALL BE SUBMITTED TO THE AQMD WITHIN 90 CALENDAR DAYS AFTER THE DUE DATE FOR THE SEMI-ANNUAL MONITORING REPORT.
  - G. THE OPERATOR SHALL INSPECT AND MAINTAIN ALL COMPONENTS OF THIS EQUIPMENT ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
  - H. THE OPERATOR SHALL KEEP ADEQUATE RECORDS IN A FORMAT THAT IS ACCEPTABLE TO THE AQMD TO DEMONSTRATE COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS SPECIFIED IN THIS CONDITION AND 40 CFR PART 64.9 FOR A MINIMUM OF FIVE YEARS.  
[RULE 1303(a)(1)-BACT, 3004(a)(4)-PERIODIC MONITORING, 40CFR PART 64]
5. THE OPERATOR SHALL MAINTAIN THE CONTROL EQUIPMENT TO ACHIEVE A MINIMUM COLLECTION EFFICIENCY OF 90% , A MINIMUM DESTRUCTION EFFICIENCY OF 95%, AND A MINIMUM OVERALL EFFICIENCY (COLLECTION AND DESTRUCTION) OF 90% DURING NORMAL OPERATION OF THE EQUIPMENT IT VENTS.  
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
6. THE OPERATOR SHALL MAINTAIN THE PERMANENT TOTAL ENCLOSURE (PTE) FOR THE OUTER DIAMETER COATER AND INSIDE DIAMETER SPRAYER PURSUANT TO ALL CRITERIA SPECIFIED IN EPA METHOD 204.  
[RULE 1303(a)(1)-BACT]

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

7. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY 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 TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]
8. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF RULE 1147. PRIOR TO MODIFICATION OF THIS EQUIPMENT TO COME INTO COMPLIANCE WITH THE EMISSION LIMIT OF THIS RULE, THE OPERATOR SHALL SUBMIT AN APPLICATION AND RECEIVE APPROVAL FOR CONSTRUCTION OR MODIFICATION OF THE EQUIPMENT.  
[RULE 1147]

### Periodic Monitoring:

9. THE OPERATOR SHALL CONDUCT SOURCE TEST(S) IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
- A. THE TEST SHALL BE CONDUCTED AT LEAST ONCE DURING THE LIFE OF THE PERMIT.
  - B. THE TEST SHALL BE CONDUCTED NO LATER THAN JULY ~~XX~~, 2016 UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT.
  - C. THE TEST SHALL BE CONDUCTED TO DETERMINE THE VOC EMISSIONS USING AN APPROVED DISTRICT METHOD TO DEMONSTRATE COMPLIANCE WITH ALL APPLICABLE PERMIT CONDITION(S), RULES AND REGULATIONS.
  - D. THE SOURCE TEST SHALL BE CONDUCTED WHILE THE OXIDIZER IS OPERATING AT A TEMPERATURE OF NOT LESS THAN THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THIS PERMIT. IF THE OPERATING TEMPERATURE DURING THE SOURCE TEST IS GREATER THAN THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THIS PERMIT, THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THIS PERMIT MAY BE INCREASED TO REFLECT THE OPERATING TEMPERATURE DURING THE SOURCE TEST.
  - E. THE OPERATOR SHALL COMPLY WITH ADMINISTRATIVE CONDITIONS NOs. 8, 9, AND 10 OF SECTION E OF THIS FACILITY PERMIT.
  - F. THE OPERATOR SHALL SUBMIT TWO COMPLETE COPIES OF THE SOURCE TEST REPORT SPECIFIED IN CONDITION NO. 9 OF SECTION E OF THIS FACILITY PERMIT TO THE DISTRICT ENGINEERING AND COMPLIANCE DIVISION. THE ENGINEERING COPY OF THE REPORT SHALL BE SENT TO: SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, COATING, PRINTING PLATING, MILITARY & ENTERTAINMENT OPERATIONS, ATTN: AIR QUALITY AND COMPLIANCE SUPERVISOR, 21865 COPLEY DRIVE, DIAMOND BAR, CA 91765. THE COMPLIANCE COPY OF THE REPORT SHALL BE SENT TO: SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765.
- [RULE 3004(a)(4)]

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **Emissions and Requirements:**

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

CO: 2000 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
NOx: RULE 1147

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

Permit No. G12465  
A/N 506173

#### Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. REGENERATIVE THERMAL OXIDIZER, ADWEST TECHNOLOGIES, MODEL NO. RETOX 30.0 RTO95, 22'-6" W. X 38'-10" L. X 12'-2" H., WITH ONE 8,000,000 BTU PER HOUR NATURAL GAS-FIRED LOW-NO<sub>x</sub> START-UP BURNER (MAXON, MODEL NO. KINEMAX 6 INCH SERIES G), ONE 4,500,000 BTU PER HOUR NATURAL GAS INJECTION SYSTEM, ONE 15 HP COMBUSTION AIR BLOWER, AND TWO HEAT EXCHANGER BEDS, EACH WITH 37,088 LBS OF CERAMIC MEDIA.
2. EXHAUST SYSTEM CONSISTING OF ONE 200 HP EXHAUST FAN VENTING TWO OUTER DIAMETER COATERS IN TWO PERMANENT TOTAL ENCLOSURES, TWO INSIDE DIAMETER SPRAY ENCLOSURES IN TWO PERMANENT TOTAL ENCLOSURES, TWO BAKE OVENS AND A UV COATER IN A PERMANENT TOTAL ENCLOSURE.

#### 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. THE OXIDIZER SHALL BE FIRED ON NATURAL GAS ONLY.  
[RULE 1303(a)(1)-BACT]
4. NO<sub>x</sub> EMISSIONS FROM THE START-UP BURNER SHALL NOT EXCEED 90 PPMV OF NO<sub>x</sub> EMISSIONS @ 3% O<sub>2</sub>.  
[RULE 1303(a)(1)-BACT]
5. THE START-UP BURNER SHALL NOT USE MORE THAN 8,600 CUBIC FEET OF NATURAL GAS IN ANY ONE DAY.  
[RULE 1303(a)(1)-BACT]
6. A NON-RESETTABLE TOTALIZING FUEL METER SHALL BE INSTALLED AND MAINTAINED TO VERIFY COMPLIANCE WITH CONDITION NO. 5.  
[RULE 1303(a)(1)-BACT]
7. THE OPERATOR SHALL OPERATE AND MAINTAIN THIS EQUIPMENT ACCORDING TO THE FOLLOWING REQUIREMENTS:

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

- A. THE COMBUSTION CHAMBER TEMPERATURE SHALL BE MAINTAINED AT A MINIMUM OF 1,400 DEGREES FAHRENHEIT WHENEVER THE EQUIPMENT IT SERVES IS IN OPERATION.
- B. THE OPERATOR SHALL OPERATE AND MAINTAIN A TEMPERATURE MEASURING AND RECORDING SYSTEM TO CONTINUOUSLY MEASURE AND RECORD THE COMBUSTION CHAMBER TEMPERATURE PURSUANT TO THE OPERATION AND MAINTENANCE REQUIREMENTS SPECIFIED IN 40 CFR PART 64.7. SUCH A SYSTEM SHALL HAVE AN ACCURACY OF WITHIN 1% OF THE TEMPERATURE BEING MONITORED AND SHALL BE INSPECTED, MAINTAINED, AND CALIBRATED ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
- C. FOR THE PURPOSE OF THIS CONDITION, A DEVIATION SHALL BE DEFINED AS WHEN A COMBUSTION CHAMBER TEMPERATURE OF LESS THAN 1,400 DEGREES FAHRENHEIT OCCURS DURING NORMAL OPERATION OF THE EQUIPMENT IT SERVES. THE OPERATOR SHALL REVIEW THE RECORDS OF THE COMBUSTION CHAMBER TEMPERATURE ON A DAILY BASIS TO DETERMINE IF A DEVIATION OCCURS OR SHALL INSTALL AN ALARM SYSTEM TO ALERT THE OPERATOR WHEN A DEVIATION OCCURS.
- D. WHENEVER A DEVIATION OCCURS, THE OPERATOR SHALL INSPECT THIS EQUIPMENT TO IDENTIFY THE CAUSE OF SUCH A DEVIATION, TAKE IMMEDIATE CORRECTIVE ACTION TO MAINTAIN THE COMBUSTION CHAMBER TEMPERATURE AT OR ABOVE 1,400 DEGREES FAHRENHEIT, AND KEEP RECORDS OF THE DURATION AND CAUSE (INCLUDING UNKNOWN CAUSE, IF APPLICABLE) OF THE DEVIATION AND THE CORRECTIVE ACTION TAKEN.
- E. ALL DEVIATIONS SHALL BE REPORTED TO THE AQMD PURSUANT TO THE REQUIREMENTS SPECIFIED IN 40 CFR PART 64.9 AND CONDITION NOS. 22 AND 23 IN SECTION K OF THIS PERMIT. THE REPORT SHALL INCLUDE THE TOTAL OPERATING TIME OF THIS EQUIPMENT AND THE TOTAL ACCUMULATED  
  
DURATION OF ALL DEVIATIONS FOR EACH SEMI-ANNUAL REPORTING PERIOD SPECIFIED IN CONDITION NO. 23 IN SECTION K OF THIS PERMIT.
- F. THE OPERATOR SHALL SUBMIT AN APPLICATION WITH A QUALITY IMPROVEMENT PLAN (QIP) IN ACCORDANCE WITH 40 CFR PART 64.8 TO THE AQMD IF AN ACCUMULATION OF DEVIATIONS EXCEEDS 5 PERCENT DURATION OF THIS EQUIPMENT'S TOTAL OPERATING TIME FOR ANY SEMI-ANNUAL REPORTING PERIOD SPECIFIED IN CONDITION NO. 23 IN SECTION K OF THIS PERMIT. THE REQUIRED QIP SHALL BE SUBMITTED TO THE AQMD WITHIN 90 CALENDAR DAYS AFTER THE DUE DATE FOR THE SEMI-ANNUAL MONITORING REPORT.
- G. THE OPERATOR SHALL INSPECT AND MAINTAIN ALL COMPONENTS OF THIS EQUIPMENT ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
- H. THE OPERATOR SHALL KEEP ADEQUATE RECORDS IN A FORMAT THAT IS ACCEPTABLE TO THE AQMD TO DEMONSTRATE COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS SPECIFIED IN THIS CONDITION AND 40 CFR PART 64.9 FOR A MINIMUM OF FIVE YEARS.  
[RULE 1303(a)(1)-BACT, 3004(a)(4)-PERIODIC MONITORING, 40CFR PART 64]

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

8. THE OPERATOR SHALL MAINTAIN THE CONTROL EQUIPMENT TO ACHIEVE A MINIMUM VOC DESTRUCTION EFFICIENCY OF 95% AND A MINIMUM OVERALL VOC CONTROL EFFICIENCY (COLLECTION AND DESTRUCTION) OF 90% DURING NORMAL OPERATION OF THE EQUIPMENT IT VENTS.  
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
9. THE OPERATOR SHALL MAINTAIN THE PERMANENT TOTAL ENCLOSURES (PTE) FOR THE OUTER DIAMETER COATERS, INSIDE DIAMETER SPRAYERS AND UV COATER PURSUANT TO ALL CRITERIA SPECIFIED IN EPA METHOD 204.  
[RULE 1303(a)(1)-BACT]
10. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY 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 TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]
11. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT SOURCE TESTS UNDER THE FOLLOWING CONDITIONS:
  - A. THE SOURCE TEST SHALL BE CONDUCTED NO LATER THAN 180 DAYS AFTER THE INITIAL START-UP OF THIS EQUIPMENT UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT.
  - B. A SOURCE TEST PROTOCOL SHALL BE SUBMITTED TO THE DISTRICT NO LATER THAN 60 DAYS AFTER THE INITIAL START-UP OF THIS EQUIPMENT UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT. THE TEST PROTOCOL SHALL BE APPROVED IN WRITING BY THE DISTRICT BEFORE THE TEST COMMENCES. THE TEST PROTOCOL SHALL INCLUDE THE COMPLETED DISTRICT FORMS ST-1 AND ST-2 SPECIFYING 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(k), AND A DESCRIPTION OF THE SAMPLING AND ANALYTICAL PROCEDURES TO BE USED.
  - C. THE SOURCE TEST SHALL CONSIST OF, BUT MAY NOT BE LIMITED TO, TESTING AT THE INLET AND THE EXHAUST OF THE THERMAL OXIDIZER FOR:
    - (1) VOLATILE ORGANIC COMPOUND (VOC) IN PPMV AND LBS/HR
    - (2) OXIDES OF NITROGEN (THERMAL OXIDIZER EXHAUST ONLY)
    - (3) CARBON MONOXIDE (THERMAL OXIDIZER EXHAUST ONLY)
    - (4) VOC DESTRUCTION EFFICIENCY
    - (5) USAGE OF ALL VOC-CONTAINING MATERIALS (COATINGS, INKS, SOLVENTS, ETC.) DURING THE TEST
    - (6) OXYGEN CONTENT
    - (7) MOISTURE CONTENT
    - (8) FLOW RATE
    - (9) TEMPERATURE

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

- D. THE SOURCE TEST SHALL BE CONDUCTED WHILE THE OXIDIZER IS OPERATING AT A TEMPERATURE OF NOT LESS THAN THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THIS PERMIT. IF THE OPERATING TEMPERATURE DURING THE SOURCE TEST IS GREATER THAN THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THIS PERMIT, THE MINIMUM OPERATING TEMPERATURE MAY BE INCREASED AT THE TIME A PERMIT TO OPERATE IS ISSUED TO REFLECT THE OPERATING TEMPERATURE DURING THE SOURCE TEST.
- E. A WRITTEN NOTICE OF THE SOURCE TEST SHALL BE SUBMITTED TO THE DISTRICT AT LEAST 14 DAYS PRIOR TO SOURCE TESTING DATE SO THAT AN OBSERVER FROM THE DISTRICT MAY BE PRESENT.
- F. TWO COMPLETE COPIES OF THE SOURCE TEST REPORT SHALL BE SUBMITTED TO THE DISTRICT WITHIN 45 DAYS AFTER THE SOURCE TESTING DATE. THE SOURCE TEST REPORT SHALL INCLUDE, BUT NOT BE LIMITED TO ALL TESTING DATA REQUIRED BY THIS CONDITION.
- G. A TESTING LABORATORY CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD IN THE REQUIRED TEST METHODS FOR CRITERIA POLLUTANTS TO BE MEASURED, AND IN COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TEST.
- H. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT'S "GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES", PURSUANT TO RULE 217.
- I. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL SUBMIT THE RESULTS OF ALL TESTS (INCLUDING PRELIMINARY TESTS) THAT ARE CONDUCTED ON THIS EQUIPMENT FOR INFORMATIONAL PURPOSES TO THE DISTRICT WITHIN 45 DAYS AFTER THE TESTING DATE.  
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
12. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF RULE 1147. PRIOR TO MODIFICATION OF THIS EQUIPMENT TO COME INTO COMPLIANCE WITH THE EMISSION LIMIT OF THIS RULE, THE OPERATOR SHALL SUBMIT AN APPLICATION AND RECEIVE APPROVAL FOR CONSTRUCTION OR MODIFICATION OF THE EQUIPMENT.  
[RULE 1147]

### **Periodic Monitoring:**

13. THE OPERATOR SHALL CONDUCT SOURCE TEST(S) IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
- A. THE TEST SHALL BE CONDUCTED AT LEAST ONCE DURING THE LIFE OF THE PERMIT.
- B. THE TEST SHALL BE CONDUCTED NO LATER THAN OCTOBER 1, 2010 UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT.
- C. THE TEST SHALL BE CONDUCTED TO DETERMINE THE VOC EMISSIONS USING AN APPROVED DISTRICT METHOD TO DEMONSTRATE COMPLIANCE WITH ALL APPLICABLE PERMIT CONDITION(S), RULES AND REGULATIONS.

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

- D. THE SOURCE TEST SHALL BE CONDUCTED WHILE THE OXIDIZER IS OPERATING AT A TEMPERATURE OF NOT LESS THAN THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THIS PERMIT. IF THE OPERATING TEMPERATURE DURING THE SOURCE TEST IS GREATER THAN THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THIS PERMIT, THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THIS PERMIT MAY BE INCREASED TO REFLECT THE OPERATING TEMPERATURE DURING THE SOURCE TEST.
- E. THE OPERATOR SHALL COMPLY WITH ADMINISTRATIVE CONDITIONS NOs. 8, 9, AND 10 OF SECTION E OF THIS FACILITY PERMIT.
- F. THE OPERATOR SHALL SUBMIT TWO COMPLETE COPIES OF THE SOURCE TEST REPORT SPECIFIED IN CONDITION NO. 9 OF SECTION E OF THIS FACILITY PERMIT TO THE DISTRICT ENGINEERING AND COMPLIANCE DIVISION. THE ENGINEERING COPY OF THE REPORT SHALL BE SENT TO: SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, COATING, PRINTING, PLATING, MILITARY AND ENTERTAINMENT AND AEROSPACE OPERATIONS, ATTN: AIR QUALITY AND COMPLIANCE SUPERVISOR, 21865 COPLEY DRIVE, DIAMOND BAR, CA 91765. THE COMPLIANCE COPY OF THE REPORT SHALL BE SENT TO: SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765.

[RULE 3004(a)(4)]

### **Emissions and Requirements:**

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

CO: 2000 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
NOx: RULE 1147

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

**Permit No.**  
**A/N 516743**

#### **Equipment Description:**

GALVANIZING LINE NO. 2 CONSISTING OF:

1. LOOPER BOX AND CLEANING TANK.
2. FORMING MILL.
3. SEAM WELDER, 300 KW.
4. CONDUIT COOLING TANK.
5. BUFFING WHEEL.
6. PICKLING TANK.
7. CONDUIT PREHEATER, ELECTRICALLY HEATED.
8. FURNACE, ZINC GALVANIZING, LINDBURG, HEVI-DUTY, KETTLE-TYPE, 3'-0" W. X 14'-0" L. X 3'-5" H., 1,600,000 BTU PER HOUR, NATURAL GAS-FIRED, WITH A 5 HP BLOWER AND A DROSS CONTAINER.
9. COOLING TANK.
10. SIZING MILL.
11. CHROMATE COATER.
12. LACQUER COATER.
13. CONDUIT CUT OFF.
14. END BRUSHING MACHINE.

#### **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]

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE PICKLING TANK, FURNACE, AND DROSS CONTAINER SHALL NOT BE OPERATED UNLESS THEY ARE VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND HAS BEEN ISSUED A VALID OPERATING PERMIT BY THE EXECUTIVE OFFICER.  
[RULE 1303(a)(1)-BACT]
4. THE CHROMATE AND LACQUER COATERS SHALL NOT BE OPERATED UNLESS THEY ARE VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT FOR VOC WHICH IS IN FULL USE AND HAS BEEN ISSUED A VALID OPERATING PERMIT BY THE EXECUTIVE OFFICER.  
[RULE 1303(a)(1)-BACT, RULE 1303 (b)(2)-OFFSET]
5. THE TOTAL QUANTITY OF NATURAL GAS USED IN GALVANIZING LINE NOS. 2 AND 4 SHALL NOT EXCEED A TOTAL OF 3,600,000 CUBIC FEET COMBINED IN ANY CALENDAR MONTH.  
[RULE 1303(b)(2)-OFFSET]
6. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTING TOTALIZING FUEL METER TO ACCURATELY INDICATE THE AMOUNT OF FUEL BEING SUPPLIED TO GALVANIZING LINE NOS. 2 AND 4.  
[RULE 1303(b)(2)-OFFSET]
7. THE TOTAL QUANTITY OF VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS FROM THE USE OF MATERIALS APPLIED IN THE CHROMATE, UV AND LACQUER COATERS OF GALVANIZING LINE NOS. 2, 4 AND 6 COMBINED SHALL NOT EXCEED 30 POUNDS, AFTER CONTROL, IN ANY ONE DAY. FOR EQUIPMENT THAT IS VENTED TO AIR POLLUTION CONTROL (APC) EQUIPMENT FOR VOC, THE VOC EMISSIONS SHALL BE CALCULATED USING THE REQUIRED OVERALL CONTROL EFFICIENCY SPECIFIED IN THE PERMIT(S) FOR THE APC EQUIPMENT.  
[RULE 1303(b)(2)-OFFSET]
8. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY VOC EMISSIONS, IN POUNDS, AND THE VOC CONTENT OF EACH MATERIAL, AS APPLIED, INCLUDING WATER AND EXEMPT COMPOUNDS.  
[RULE 109, 1303(b)(2)-OFFSET]
9. MATERIALS USED IN THE CHROMATE AND LACQUER COATERS SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1, EXCEPT HEXAVALENT CHROMIUM, WITH AN EFFECTIVE DATE OF MAY 2, 2003 OR EARLIER.  
[RULE 1401]

### **Periodic Monitoring:**

10. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

ENTIRE ANNUAL PERIOD. THE ROUTINE ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS.

IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE-HOUR, THE OPERATOR SHALL VERIFY AND CERTIFY WITHIN 24 HOURS THAT THE EQUIPMENT CAUSING THE EMISSION AND ANY ASSOCIATED AIR POLLUTION CONTROL EQUIPMENT ARE OPERATING NORMALLY ACCORDING TO THEIR DESIGN AND STANDARD PROCEDURES AND UNDER THE SAME CONDITIONS UNDER WHICH COMPLIANCE WAS ACHIEVED IN THE PAST, AND EITHER:

- A. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT; OR
- 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.

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)]

11. THE OPERATOR SHALL CONDUCT SOURCE TEST(S) IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:

- A. THE TEST SHALL BE CONDUCTED AT LEAST ONCE EVERY FIVE YEARS.
- B. THE TEST SHALL CONSIST OF, BUT MAY NOT BE LIMITED TO, A TEST OF THE INLET AND EXHAUST OF THE FURNACE FOR:
  - (1) OXIDES OF NITROGEN (NO<sub>x</sub>) IN PPMV AND LBS/HR (FURNACE EXHAUST ONLY)
  - (2) CARBON MONOXIDE (CO) IN PPMV AND LBS/HR (FURNACE EXHAUST ONLY)
  - (3) OXYGEN CONTENT
  - (4) MOISTURE CONTENT
  - (5) FLOW RATE
  - (6) TEMPERATURE
- C. THE SOURCE TEST SHALL BE CONDUCTED DURING NORMAL OPERATION OF THE FURNACE.
- D. THE TEST SHALL BE CONDUCTED TO DETERMINE NO<sub>x</sub> AND CO EMISSIONS USING AN APPROVED DISTRICT METHOD TO DEMONSTRATE COMPLIANCE WITH ALL APPLICABLE PERMIT CONDITION(S), RULES AND REGULATIONS.
- E. THE OPERATOR SHALL COMPLY WITH ADMINISTRATIVE CONDITIONS NOS. 8, 9,

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

AND 10 OF SECTION E OF THIS FACILITY PERMIT.

- F. THE OPERATOR SHALL SUBMIT TWO COMPLETE COPIES OF THE SOURCE TEST REPORT SPECIFIED IN CONDITION NO. 9 OF SECTION E OF THIS FACILITY PERMIT TO THE DISTRICT ENGINEERING AND COMPLIANCE DIVISION. THE ENGINEERING COPY OF THE REPORT SHALL BE SENT TO: SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, COATING, PRINTING, PLATING, MILITARY AND ENTERTAINMENT OPERATIONS, ATTN: AIR QUALITY ANALYSIS AND COMPLIANCE SUPERVISOR, 21865 COPLEY DRIVE, DIAMOND BAR, CA 91765. THE COMPLIANCE COPY OF THE REPORT SHALL BE SENT TO: SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765
- [RULE 3004(a)(4)]

### **Emissions and Requirements:**

12. 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 1171, SEE APPENDIX B FOR EMISSION LIMITS
  - CO: 2000 PPMV, RULE 407
  - PM: 0.1 GR/SCF, RULE 409
  - PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS
  - NOx: 42 PPMV, RULE 1303(b)(2)-OFFSETS
  - NOx: 60 PPMV, RULE 1147

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

**Permit No.**  
**A/N 516744**

#### **Equipment Description:**

GALVANIZING LINE NO. 4 CONSISTING OF:

1. CLEANING TANK.
2. FORMING MILL.
3. SEAM WELDER, 300 KW.
4. BUFFING WHEEL.
5. PICKLING TANK.
6. CONDUIT PREHEATER, ELECTRICALLY HEATED.
7. FURNACE, ZINC GALVANIZING, LINDBURG, HEVI-DUTY, KETTLE-TYPE, 3'-6" W. X 20'-0" L. X 6'-3" H., 4,550,000 BTU PER HOUR, NATURAL GAS-FIRED, WITH A 7 ½ HP BLOWER, AND A DROSS CONTAINER.
8. COOLING TANK.
9. SIZING MILL.
10. CHROMATE COATER.
11. UV COATER.
12. LACQUER COATER.
13. UV CURE STATION, ELECTRICALLY HEATED.
14. CONDUIT CUT OFF.

#### **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]

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE PICKLING TANK, FURNACE, AND DROSS CONTAINER SHALL NOT BE OPERATED UNLESS THEY ARE VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND HAS BEEN ISSUED A VALID OPERATING PERMIT BY THE EXECUTIVE OFFICER.  
[RULE 1303(a)(1)-BACT]
4. THE CHROMATE, UV, AND LACQUER COATERS, AND UV CURE STATION SHALL NOT BE OPERATED UNLESS THEY ARE VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT FOR VOC WHICH IS IN FULL USE AND HAS BEEN ISSUED A VALID OPERATING PERMIT BY THE EXECUTIVE OFFICER.  
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
5. THE TOTAL QUANTITY OF NATURAL GAS USED IN THIS EQUIPMENT SHALL NOT EXCEED 1,716,000 CUBIC FEET IN ANY CALENDAR MONTH.  
[RULE 1303(a)(1)-BACT]
6. THE TOTAL QUANTITY OF NATURAL GAS USED IN GALVANIZING LINE NOS. 2 AND 4 SHALL NOT EXCEED A TOTAL OF 3,600,000 CUBIC FEET COMBINED IN ANY CALENDAR MONTH.  
[RULE 1303(b)(2)-OFFSET]
7. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE TOTALIZING FUEL METER TO ACCURATELY INDICATE THE AMOUNT OF FUEL BEING SUPPLIED TO THIS EQUIPMENT.  
[RULE 1303(a)(1)-BACT]
8. THE TOTAL QUANTITY OF VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS FROM THE USE OF MATERIALS APPLIED IN THE CHROMATE, UV AND LACQUER COATERS OF GALVANIZING LINE NOS. 2, 4 AND 6 COMBINED SHALL NOT EXCEED 30 POUNDS, AFTER CONTROL, IN ANY ONE DAY. FOR EQUIPMENT THAT IS VENTED TO AIR POLLUTION CONTROL (APC) EQUIPMENT FOR VOC, THE VOC EMISSIONS SHALL BE CALCULATED USING THE REQUIRED OVERALL CONTROL EFFICIENCY SPECIFIED IN THE PERMIT(S) FOR THE APC EQUIPMENT.  
[RULE 1303(b)(2)-OFFSET]
9. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY VOC EMISSIONS, IN POUNDS, AND THE VOC CONTENT OF EACH MATERIAL, AS APPLIED, INCLUDING WATER AND EXEMPT COMPOUNDS.  
[RULE 109, 1303(b)(2)-OFFSET]
10. MATERIALS USED IN THE CHROMATE AND LACQUER COATERS SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1, EXCEPT HEXA VALENT CHROMIUM, WITH AN EFFECTIVE DATE OF MAY 2, 2003 OR EARLIER.  
[RULE 1401]

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

11. THE CLEANING MATERIAL USED IN THE CLEANING TANK SHALL NOT CONTAIN ANY VOC OR ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1, WITH AN EFFECTIVE DATE OF MARCH 7, 2008 OR EARLIER.  
[RULE 1303(b)(2)-OFFSET, 1401]

### Periodic Monitoring:

12. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE ANNUAL PERIOD. THE ROUTINE ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS.

IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE-HOUR, THE OPERATOR SHALL VERIFY AND CERTIFY WITHIN 24 HOURS THAT THE EQUIPMENT CAUSING THE EMISSION AND ANY ASSOCIATED AIR POLLUTION CONTROL EQUIPMENT ARE OPERATING NORMALLY ACCORDING TO THEIR DESIGN AND STANDARD PROCEDURES AND UNDER THE SAME CONDITIONS UNDER WHICH COMPLIANCE WAS ACHIEVED IN THE PAST, AND EITHER:

- A. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT; OR
- 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.

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)]

13. THE OPERATOR SHALL CONDUCT SOURCE TEST(S) IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:

- A. THE TEST SHALL BE CONDUCTED AT LEAST ONCE EVERY FIVE YEARS.
- B. THE TEST SHALL CONSIST OF, BUT MAY NOT BE LIMITED TO, A TEST OF THE INLET AND EXHAUST OF THE FURNACE FOR:

- (1) OXIDES OF NITROGEN (NO<sub>x</sub>) IN PPMV AND LBS/HR (FURNACE EXHAUST ONLY)
- (2) CARBON MONOXIDE (CO) IN PPMV AND LBS/HR (FURNACE EXHAUST ONLY)
- (3) OXYGEN CONTENT

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

- (4) MOISTURE CONTENT
- (5) FLOW RATE
- (6) TEMPERATURE

- C. THE SOURCE TEST SHALL BE CONDUCTED DURING NORMAL OPERATION OF THE FURNACE.
- D. THE TEST SHALL BE CONDUCTED TO DETERMINE NOX AND CO EMISSIONS USING AN APPROVED DISTRICT METHOD TO DEMONSTRATE COMPLIANCE WITH ALL APPLICABLE PERMIT CONDITION(S), RULES AND REGULATIONS
- E. THE OPERATOR SHALL COMPLY WITH ADMINISTRATIVE CONDITIONS NOS. 8, 9, AND 10 OF SECTION E OF THIS FACILITY PERMIT.
- F. THE OPERATOR SHALL SUBMIT TWO COMPLETE COPIES OF THE SOURCE TEST REPORT SPECIFIED IN CONDITION NO. 9 OF SECTION E OF THIS FACILITY PERMIT TO THE DISTRICT ENGINEERING AND COMPLIANCE DIVISION. THE ENGINEERING COPY OF THE REPORT SHALL BE SENT TO: SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, COATING, PRINTING, PLATING, MILITARY AND ENTERTAINMENT AND AEROSPACE OPERATIONS, ATTN: AIR QUALITY AND COMPLIANCE SUPERVISOR, 21865 COPLEY DRIVE, DIAMOND BAR, CA 91765. THE COMPLIANCE COPY OF THE REPORT SHALL BE SENT TO: SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765

[RULE 3004(a)(4)]

### **Emissions and Requirements:**

- 14. 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 1171, SEE APPENDIX B FOR EMISSION LIMITS  
CO: 2000 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409  
PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS  
NOx: 42 PPMV, RULE 1303(b)(2)-OFFSETS  
NOx: 60 PPMV, RULE 1147

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO OPERATE

**Permit No.**  
**A/N 516745**

#### **Equipment Description:**

GALVANIZING LINE NO. 6 CONSISTING OF:

1. STRIP ACCUMULATOR AND CLEANING TANK.
2. FORMING MILL.
3. SEAM WELDER, 400 KW.
4. SQUARING STAND.
5. PICKLING TANK, 4'-0" W. X 8'-0" L. X 3'-0" D., UNHEATED.
6. INDUCTION COIL STATION.
7. CONDUIT PREHEATER, ELECTRICALLY HEATED.
8. FURNACE, ZINC GALVANIZING, AJAX MAGNETHERMIC, MODEL NO. EHG2, 120 KW ELECTRICALLY HEATED, WITH A DROSS CONTAINER.
9. COOLING TANK.
10. SIZING MILL.
11. CHROMATE COATER.
12. LACQUER COATER.
13. CONDUIT CUT OFF.
14. END BRUSHING MACHINE.

#### **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]

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

3. THE PICKLING TANK, INDUCTION COIL STATION, FURNACE AND DROSS CONTAINER SHALL NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND HAS BEEN ISSUED A VALID OPERATING PERMIT BY THE EXECUTIVE OFFICER.  
[RULE 1303(a)(1)-BACT]
4. THE CHROMATE AND LACQUER COATERS SHALL NOT BE OPERATED UNLESS THEY ARE VENTED TO AIR POLLUTION CONTROL EQUIPMENT FOR VOC WHICH IS IN FULL USE AND HAS BEEN ISSUED A VALID OPERATING PERMIT BY THE EXECUTIVE OFFICER.  
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSETS]
5. THE TOTAL QUANTITY OF VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS FROM THE USE OF MATERIALS APPLIED IN THE CHROMATE, UV AND LACQUER COATERS OF GALVANIZING LINE NOs. 2, 4 AND 6 COMBINED SHALL NOT EXCEED 30 POUNDS, AFTER CONTROL, IN ANY ONE DAY. FOR EQUIPMENT THAT IS VENTED TO AIR POLLUTION CONTROL (APC) EQUIPMENT FOR VOC, THE VOC EMISSIONS SHALL BE CALCULATED USING THE REQUIRED OVERALL CONTROL EFFICIENCY SPECIFIED IN THE PERMIT(S) FOR THE APC EQUIPMENT.  
[RULE 1303(b)(2)-OFFSET]
6. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY VOC EMISSIONS, IN POUNDS, AND THE VOC CONTENT OF EACH MATERIAL, AS APPLIED, INCLUDING WATER AND EXEMPT COMPOUNDS.  
[RULE 109, 1303(b)(2)-OFFSET]
7. MATERIALS USED IN THE CHROMATE AND LACQUER COATERS SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1, EXCEPT HEXAVALENT CHROMIUM, WITH AN EFFECTIVE DATE OF MAY 2, 2003 OR EARLIER.  
[RULE 1401]

### **Periodic Monitoring:**

8. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE ANNUAL PERIOD. THE ROUTINE ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS.

IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE-HOUR, THE OPERATOR SHALL VERIFY AND CERTIFY WITHIN 24 HOURS THAT THE EQUIPMENT CAUSING THE EMISSION AND ANY ASSOCIATED AIR POLLUTION CONTROL EQUIPMENT ARE OPERATING NORMALLY ACCORDING TO THEIR DESIGN AND STANDARD PROCEDURES AND UNDER THE SAME CONDITIONS UNDER WHICH COMPLIANCE WAS ACHIEVED IN THE PAST, AND EITHER:

- A. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT; OR

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

- 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.

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:**

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULE AND REGULATION:

VOC: RULE 109  
VOC: RULE 1107, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **PERMIT TO CONSTRUCT**

**A/N 513986  
Granted as of  
March 15, 2011**

#### **Equipment Description:**

SURFACE PREPARATION/PRETREATMENT LINE CONSISTING OF:

1. TANK NO. 1, ACID DEGREASING TANK, GIM BIOSYS 41S, 4'-3" W. X 29'-6" L. X 5'-3" H., AIR SPARGED, 69.6 KW ELECTRICALLY HEATED, VENTED TO AIR POLLUTION CONTROL EQUIPMENT.
2. TANK NO. 3, ACID PICKLING TANK, HYDROCHLORIC ACID, 4'-3" W. X 29'-6" L. X 5'-3" H., AIR SPARGED, VENTED TO AIR POLLUTION CONTROL EQUIPMENT.
3. TANK NO. 4, ACID PICKLING TANK, HYDROCHLORIC ACID, 4'-3" W. X 29'-6" L. X 5'-3" H., AIR SPARGED, VENTED TO AIR POLLUTION CONTROL EQUIPMENT.
4. TANK NO. 6, FLUXING TANK, ZINC CHLORIDE, AMMONIUM CHLORIDE, 4'-3" W. X 29'-6" L. X 5'-3" H., AIR SPARGED, 150.8 KW ELECTRICALLY HEATED, VENTED TO AIR POLLUTION CONTROL EQUIPMENT.
5. TANK NO. 7, FLUX DRIP COLLECTING TANK, ZINC CHLORIDE, AMMONIUM CHLORIDE, 4'-3" W. X 29'-6" L. X 5'-3" H., VENTED TO AIR POLLUTION CONTROL EQUIPMENT.
6. TANK NO. 8, ZINC STRIPPING TANK, HYDROCHLORIC ACID, 4'-3" W. X 29'-6" L. X 5'-3" H., VENTED TO AIR POLLUTION CONTROL EQUIPMENT.
7. ASSOCIATED RINSE TANKS.

#### **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. ALL TANKS SHALL BE CLEARLY IDENTIFIED AND LABELED WITH THE APPROPRIATE TANK NUMBER AS DESIGNATED IN THE EQUIPMENT DESCRIPTION. THE IDENTIFICATION AND/OR LABELING OF EACH TANK SHALL BE DIRECTLY AFFIXED TO EACH TANK AND SHALL BE CLEARLY VISIBLE AND LEGIBLE.  
[RULE 1301(a)(1)-BACT]

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

4. AIR SPARGING, RECTIFICATION, AND/OR HEATING SHALL NOT BE CONDUCTED EXCEPT IN TANKS WHERE THESE OPERATIONS ARE SPECIFICALLY IDENTIFIED IN THE EQUIPMENT DESCRIPTION. REMOVAL OF SUCH DEVICES FROM THESE TANKS DOES NOT CONSTITUTE A MODIFICATION FOR PERMITTING PURPOSES.  
 [RULE 1301(a)(1)-BACT]

5. THE OPEN PROCESS TANKS IN THIS LINE SHALL BE OPERATED AT OR BELOW THE PARAMETER LIMITS IN THE FOLLOWING TABLE:

TANK NO.	CHEMICAL	MAXIMUM CHEMICAL CONCENTRATION PERCENT BY WEIGHT (WT%)	MAXIMUM ANNUAL AMPERE-HOURS (CALENDAR YEAR)	MAXIMUM OPERATING TEMPERATURE (DEG. F.)	MAXIMUM SURFACE AREA (FT <sup>2</sup> )
3	HYDROCHLORIC ACID	16	N/A	N/A	125.4
4	HYDROCHLORIC ACID	16	N/A	N/A	125.4
6	AMMONIUM CHLORIDE	44	N/A	131	125.4
6	ZINC CHLORIDE	56	N/A	131	125.4
7	AMMONIUM CHLORIDE	44	N/A	N/A	125.4
7	ZINC CHLORIDE	56	N/A	N/A	125.4
8	HYDROCHLORIC ACID	16	N/A	N/A	125.4

FOR THE PURPOSE OF THIS CONDITION, CONCENTRATION MEANS ANHYDROUS CONCENTRATION (NOT INCLUDING WATER OR WATER OF HYDRATION).  
 [RULE 1301(a)(1)-BACT]

6. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401 TABLE 1, EXCEPT HYDROCHLORIC ACID, ZINC AND ZINC COMPOUNDS WITH AN EFFECTIVE DATE OF JUNE 5, 2009 OR EARLIER.  
 [RULE 1401]

7. THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY THE FOLLOWING:

- A. THE RECORDS REQUIRED BY THE CONDITIONS IN THIS PERMIT.
- B. THE QUANTITY AND COMPOSITION OF EACH MATERIAL ADDED TO EACH TANK DURING REPLENISHMENT.
- C. MATERIAL SAFETY DATA SHEETS (MSDS) FOR ALL MATERIALS CHARGED TO EACH PROCESS TANK AT THIS FACILITY.

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

SUCH RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT,  
RETAINED AT THE FACILITY FOR A PERIOD OF FIVE YEARS AND MADE AVAILABLE TO  
DISTRICT PERSONNEL UPON REQUEST.  
[RULE 109, 1301(a)(1)-BACT]

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO CONSTRUCT

**A/N 513988**  
**Granted as of**  
**March 15, 2011**

#### **Equipment Description:**

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. SCRUBBER, GIMECO, MODEL NO. 140.40.20.000, VERTICAL PACKED BED TYPE, 6'-7" DIA. X 26'-3" H, WITH 7'-7" DEPTH OF POLYPROPYLENE PACKING AND ONE 11.34 H.P. RECIRCULATION PUMP.
2. EXHAUST SYSTEM WITH A 50 HP EXHAUST FAN VENTING TANK NOS. 1, 3, 4, 6, 7, 8 AND ASSOCIATED RINSE TANKS OF THE SURFACE PREPARATION/PRETREATMENT LINE.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS 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 IN FULL USE WHENEVER ANY OF THE EQUIPMENT VENTED TO IT IS OPERATING.  
[RULE 1303(a)(1)-BACT]
4. THE RECIRCULATION RATE OF THE SCRUBBING SOLUTION SHALL NOT BE LESS THAN 132 GALLONS PER MINUTE.  
[RULE 1303(a)(1)-BACT]
5. A FLOWMETER, INDICATING GALLONS PER MINUTE, SHALL BE INSTALLED IN THE SCRUBBING SOLUTION SUPPLY LINE TO THE SCRUBBER.  
[RULE 1303(a)(1)-BACT]
6. THE pH OF THE SCRUBBING SOLUTION SHALL NOT BE LESS THAN 8. TO COMPLY WITH THIS LIMIT, THE OPERATOR SHALL INSTALL AND MAINTAIN A pH METER TO ACCURATELY MEASURE THE pH OF THE SCRUBBING SOLUTION, MEASURE THE pH DAILY AND KEEP ADEQUATE RECORDS TO VERIFY THE pH. THE RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, RETAINED ON THE PREMISES FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1303(a)(1)-BACT]
7. THE OPERATOR SHALL COMPLY WITH THE INSPECTION AND MAINTENANCE REQUIREMENTS FOR THE PACKED BED SCRUBBER LISTED BELOW:

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

- A. QUARTERLY VISUAL INSPECTION OF THE DEVICE TO ENSURE THERE IS PROPER DRAINAGE, NO UNUSUAL BUILDUP ON THE PACKED BED AND NO EVIDENCE OF CHEMICAL ATTACK THAT AFFECTS THE STRUCTURAL INTEGRITY OF THE DEVICE.
  - B. QUARTERLY VISUAL INSPECTION OF THE BACK PORTION OF THE PACKED BED CLOSEST TO THE FAN TO ENSURE THERE IS NO BREAKTHROUGH.
  - C. QUARTERLY VISUAL INSPECTION OF THE DUCTWORK FROM THE TANKS TO THE CONTROL DEVICE TO ENSURE THERE ARE NO LEAKS.
  - D. ADD FRESH MAKE-UP WATER TO THE PACKED BED WHENEVER NECESSARY.  
[RULE 1303(a)(1)-BACT]
8. THE OPERATOR SHALL MAINTAIN INSPECTION AND MAINTENANCE RECORDS FOR THE AIR POLLUTION CONTROL SYSTEM AND MONITORING EQUIPMENT TO DOCUMENT COMPLIANCE WITH THE INSPECTION AND MAINTENANCE REQUIREMENTS OF THIS PERMIT. THE RECORD SHALL IDENTIFY:
- A. THE DEVICE INSPECTED.
  - B. THE DATE AND TIME OF INSPECTION.
  - C. THE WORKING CONDITION OF THE DEVICE DURING THE INSPECTION.
  - D. ANY MAINTENANCE ACTIVITIES PERFORMED ON THE AIR POLLUTION CONTROL SYSTEM OR PARAMETER MONITORING SYSTEM.
  - E. ANY ACTIONS TAKEN TO CORRECT DEFICIENCIES FOUND DURING THE INSPECTION.  
[RULE 1303(a)(1)-BACT]
9. ALL RECORDS USED TO DEMONSTRATE COMPLIANCE WITH THE CONDITIONS OF THIS PERMIT SHALL BE RETAINED AT THE FACILITY FOR A PERIOD OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1303(a)(1)-BACT]

### **Periodic Monitoring:**

10. THE OPERATOR SHALL DETERMINE AND RECORD THE FLOW RATE OF THE SCRUBBING SOLUTION ONCE EVERY DAY.  
[RULE 3004 (a)(4)]

### **Emissions and Requirements:**

11. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULE AND REGULATION:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **PERMIT TO CONSTRUCT**

**A/N 513990  
Granted as of  
March 15, 2011**

#### **Equipment Description:**

ZINC GALVANIZING SYSTEM CONSISTING OF:

1. DRYER, PRE-FURNACE, 1.19 MMBTU PER HOUR NATURAL GAS-FIRED WITH INDIRECT HEAT EXCHANGER.
2. FURNACE, GIMECO, MODEL NO. 220.30.00.000, KETTLE TYPE, 4'-3" W. X 27'-11" L. X 8'-2" H., NATURAL GAS-FIRED, WITH FOUR 1.39 MMBTU PER HOUR LOW NO<sub>x</sub> BURNERS AND A 15 HP BLOWER.
3. ZINC BLOWING DUCT HEATER, 992,063 BTU PER HOUR NATURAL GAS-FIRED.

#### **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 NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.  
[RULE 1303(a)(1)-BACT]
4. THE TOTAL QUANTITY OF NATURAL GAS USED IN THE PRE-FURNACE DRYER SHALL NOT EXCEED 489,600 CUBIC FEET IN ANY CALENDAR MONTH.  
[RULE 1303(a)(1)-BACT]
5. THE TOTAL QUANTITY OF NATURAL GAS USED IN THE GALVANIZING FURNACE SHALL NOT EXCEED 2,745,050 CUBIC FEET IN ANY CALENDAR MONTH.  
[RULE 1303(a)(1)-BACT]
6. THE TOTAL QUANTITY OF NATURAL GAS USED IN THE ZINC BLOWING DUCT HEATER SHALL NOT EXCEED 408,240 CUBIC FEET IN ANY CALENDAR MONTH.  
[RULE 1303(a)(1)-BACT]

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

7. A NON-RESETTABLE TOTALIZING FUEL METER(S) SHALL BE INSTALLED AND MAINTAINED TO VERIFY COMPLIANCE WITH CONDITION NOS. 5, 6 AND 7.  
[RULE 1303(a)(1)-BACT]
8. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT A SOURCE TEST UNDER THE FOLLOWING CONDITIONS:
  - A. THE SOURCE TEST SHALL BE CONDUCTED NO LATER THAN 180 DAYS AFTER THE INITIAL START-UP OF THE FURNACE UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT.
  - B. A SOURCE TEST PROTOCOL SHALL BE SUBMITTED TO THE DISTRICT ENGINEER, TODD IWATA, NO LATER THAN 60 DAYS AFTER THE INITIAL START-UP OF THE FURNACE UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT. THE TEST PROTOCOL SHALL BE APPROVED IN WRITING BY THE DISTRICT BEFORE THE TEST COMMENCES. THE TEST PROTOCOL SHALL INCLUDE THE COMPLETED DISTRICT FORMS ST-1 AND ST-2 SPECIFYING 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(k), AND A DESCRIPTION OF THE SAMPLING AND ANALYTICAL PROCEDURES TO BE USED.
  - C. THE TEST SHALL CONSIST OF, BUT MAY NOT BE LIMITED TO, A TEST OF THE INLET AND EXHAUST OF THE FURNACE FOR:
    - (1) OXIDES OF NITROGEN (NO<sub>x</sub>) IN PPMV AND LBS/HR (FURNACE EXHAUST ONLY)
    - (2) CARBON MONOXIDE (CO) IN PPMV AND LBS/HR (FURNACE EXHAUST ONLY)
    - (3) OXYGEN CONTENT
    - (4) MOISTURE CONTENT
    - (5) FLOW RATE
    - (6) TEMPERATURE
  - D. THE SOURCE TEST SHALL BE CONDUCTED DURING START-UP OF THE FURNACE.
  - E. A WRITTEN NOTICE OF THE SOURCE TESTS SHALL BE SUBMITTED TO THE DISTRICT ENGINEER, TODD IWATA, AT LEAST 14 DAYS PRIOR TO THE SOURCE TESTING DATE SO THAT AN OBSERVER FROM THE DISTRICT MAY BE PRESENT.
  - F. TWO COMPLETE COPIES OF THE SOURCE TEST REPORT SHALL BE SUBMITTED TO THE DISTRICT ENGINEER, TODD IWATA, WITHIN 45 DAYS AFTER THE SOURCE TESTING DATE. THE SOURCE TEST REPORT SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, ALL TESTING DATA REQUIRED BY THIS CONDITION.
  - G. A TESTING LABORATORY CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD IN THE REQUIRED TEST METHODS FOR CRITERIA POLLUTANTS TO BE MEASURED, AND IN COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TESTS.
  - H. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217.

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

- I. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL SUBMIT THE RESULTS OF ALL TESTS (INCLUDING PRELIMINARY TESTS) THAT ARE CONDUCTED ON THIS EQUIPMENT FOR INFORMATIONAL PURPOSES TO THE DISTRICT ENGINEER, TODD IWATA, WITHIN 45 DAYS AFTER THE TESTING DATE.  
[RULE 1303(a)(1)-BACT]

### Periodic Monitoring:

9. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE ANNUAL PERIOD. THE ROUTINE ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS.

IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE-HOUR, THE OPERATOR SHALL VERIFY AND CERTIFY WITHIN 24 HOURS THAT THE EQUIPMENT CAUSING THE EMISSION AND ANY ASSOCIATED AIR POLLUTION CONTROL EQUIPMENT ARE OPERATING NORMALLY ACCORDING TO THEIR DESIGN AND STANDARD PROCEDURES AND UNDER THE SAME CONDITIONS UNDER WHICH COMPLIANCE WAS ACHIEVED IN THE PAST, AND EITHER:

- A. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT; OR
- 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.

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)]

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **Emissions and Requirements:**

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

NOx: 60 PPMV, RULE 1147

CO: 2000 PPMV, RULE 407

PM: 0.1 GR/SCF, RULE 409

PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO CONSTRUCT

**A/N 513994**  
**Granted as of**  
**March 15, 2011**

#### **Equipment Description:**

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. BAGHOUSE, GIMECO, MODEL NO. 250.40.10.000, WITH 360 FILTER BAGS, EACH 5" DIA. X 8'-2" L., WITH PULSE JET CLEANING AND AN ENCLOSED DUST CONTAINER.
2. EXHAUST SYSTEM WITH A 60.3 HP BLOWER VENTING A ZINC GALVANIZING FURNACE.

#### **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. DUST COLLECTED IN THE BAGHOUSE SHALL BE DISCHARGED ONLY INTO CLOSED CONTAINERS.  
[RULE 1303(a)(1)-BACT]
4. THE OPERATOR SHALL INSTALL AND MAINTAIN A DIFFERENTIAL PRESSURE GAUGE TO ACCURATELY INDICATE THE DIFFERENTIAL PRESSURE ACROSS THE FILTER BAGS.  
[RULE 1303(a)(1)-BACT]
5. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE DIFFERENTIAL PRESSURE BEING MONITORED DOES NOT EXCEED 4 INCHES OF WATER COLUMN.  
[RULE 1303(a)(1)-BACT]

#### **Periodic Monitoring:**

6. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON A QUARTERLY BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE QUARTERLY PERIOD. THE ROUTINE QUARTERLY INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED, THE OPERATOR SHALL TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT.

THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:

- A. STACK OR EMISSION POINT IDENTIFICATION;
  - B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;  
AND
  - C. DATE AND TIME VISIBLE EMISSION WAS ABATED.  
[RULE 3004 (a)(4)]
7. THE OPERATOR SHALL PERFORM AN ANNUAL INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
- A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
  - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
  - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.  
[RULE 3004 (a)(4)]

**Emissions and Requirements:**

8. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULE AND REGULATION:
- |                    |  |
|--------------------|--|
| PM:                | RULE 404, SEE APPENDIX B FOR EMISSION LIMITS |
| PM:                | RULE 1155                                    |
| VISIBLE EMISSIONS: | 0 PERCENT OPACITY, RULE 1155                 |

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **PERMIT TO CONSTRUCT**

**A/N 513997  
Granted as of  
March 15, 2011**

#### **Equipment Description:**

BOILER, WATER TUBE TYPE, HURST, MODEL NO. S5-X-15-250-NVC, 6.3 MMBTU/HR NATURAL GAS FIRED, WITH A POWR FLAME, MODEL NO. NVC5-30 LOW NOX BURNER AND ONE 33.5 HP BLOWER.

#### **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 FIRED ON NATURAL GAS ONLY.  
[RULE 1303 (a)(1)-BACT]
4. THIS BOILER SHALL EMIT NO MORE THAN 9 PPMV OF OXIDES OF NITROGEN (NO<sub>x</sub>) CALCULATED AS NO<sub>2</sub> AND 100 PPMV OF CARBON MONOXIDE (CO), ALL MEASURED BY VOLUME ON A DRY BASIS AT 3% O<sub>2</sub>.  
[RULE 1303 (a)(1)-BACT]
5. THE OPERATOR OF THIS EQUIPMENT SHALL CONDUCT SOURCE TESTS UNDER THE FOLLOWING CONDITIONS TO DEMONSTRATE COMPLIANCE WITH THE PERMIT CONDITIONS:
  - A. THE SOURCE TESTS SHALL BE CONDUCTED NO LATER THAN 180 DAYS AFTER THE INITIAL START-UP OF THIS EQUIPMENT UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT.
  - B. A SOURCE TEST PROTOCOL SHALL BE SUBMITTED TO DISTRICT ENGINEER, TODD IWATA, NO LATER THAN 60 DAYS AFTER THE INITIAL START-UP OF THIS EQUIPMENT UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT. THE TEST PROTOCOL SHALL BE APPROVED IN WRITING BY THE DISTRICT BEFORE THE TEST COMMENCES. THE TEST PROTOCOL SHALL INCLUDE THE COMPLETED DISTRICT FORMS ST-1 AND ST-2 SPECIFYING 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(k) AND A DESCRIPTION OF THE SAMPLING AND ANALYTICAL PROCEDURES TO BE USED.
  - C. THE SOURCE TESTS SHALL CONSIST OF, BUT MAY NOT BE LIMITED TO, TESTING AT THE EXHAUST OF THE BOILER FOR:

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

- (1) OXIDES OF NITROGEN
  - (2) CARBON MONOXIDE
  - (3) OXYGEN CONTENT
  - (4) MOISTURE CONTENT
  - (5) FLOW RATE
  - (6) TEMPERATURE
- D. A WRITTEN NOTICE OF THE SOURCE TESTS SHALL BE SUBMITTED TO DISTRICT ENGINEER, TODD IWATA, AT LEAST 14 DAYS PRIOR TO THE SOURCE TESTING DATE SO THAT AN OBSERVER FROM THE DISTRICT MAY BE PRESENT.
- E. TWO COMPLETE COPIES OF THE SOURCE TEST REPORTS SHALL BE SUBMITTED TO DISTRICT ENGINEER, TODD IWATA, WITHIN 45 DAYS AFTER THE SOURCE TESTING DATE UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT. THE SOURCE TEST REPORT SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, ALL TESTING DATA REQUIRED BY THIS CONDITION.
- F. A TESTING LABORATORY CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD IN THE REQUIRED TEST METHODS FOR CRITERIA POLLUTANTS TO BE MEASURED, AND IN COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TEST.
- G. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217.
- H. THE OPERATOR OF THIS EQUIPMENT SHALL SUBMIT THE RESULTS OF ALL PRELIMINARY TESTS THAT ARE CONDUCTED ON THIS EQUIPMENT FOR INFORMATIONAL PURPOSES TO DISTRICT ENGINEER, TODD IWATA, WITHIN 45 DAYS AFTER THE TESTING DATE UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT.
- [RULE 1303 (a)(1)-BACT]

### **Periodic Monitoring:**

6. 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 THE NO<sub>x</sub> 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)]
7. 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

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH THE CO 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)]

### **Emissions and Requirements:**

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

CO: 2000 PPMV, RULE 407  
CO: 400 PPMV, RULE 1146  
CO: 100 PPMV, RULE 1303(a)(1)-BACT  
NOx: 30 PPMV, RULE 1146  
NOx: 9 PPMV, RULE 1303(a)(1)-BACT  
PM: 0.1 GR/SCF, RULE 409

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **PERMIT TO CONSTRUCT**

**A/N 514000  
Granted as of  
March 15, 2011**

#### **Equipment Description:**

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. BAGHOUSE, GIMECO, MODEL NO. 250.40.10.010, WITH 220 FILTER BAGS, EACH 5" DIA. X 8'-2" L., PULSE JET CLEANING AND AN ENCLOSED DUST CONTAINER.
2. CYCLONE, GIMECO, 5'-3' DIA X 20'-9" L.
3. EXHAUST SYSTEM WITH A 33.5 HP BLOWER VENTING A ZINC BLOWING DUCT HEATER.

#### **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. DUST COLLECTED IN THE BAGHOUSE SHALL BE DISCHARGED ONLY INTO CLOSED CONTAINERS.  
[RULE 1303(a)(1)-BACT]
4. THE OPERATOR SHALL INSTALL AND MAINTAIN A DIFFERENTIAL PRESSURE GAUGE TO ACCURATELY INDICATE THE DIFFERENTIAL PRESSURE ACROSS THE FILTER BAGS.  
[RULE 1303(a)(1)-BACT]
5. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE DIFFERENTIAL PRESSURE BEING MONITORED DOES NOT EXCEED 4 INCHES OF WATER COLUMN.  
[RULE 1303(a)(1)-BACT]

#### **Periodic Monitoring:**

6. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON A QUARTERLY BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE QUARTERLY PERIOD. THE ROUTINE QUARTERLY INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED, THE OPERATOR

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

SHALL TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT.

THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:

- A. STACK OR EMISSION POINT IDENTIFICATION;
  - B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;  
AND
  - C. DATE AND TIME VISIBLE EMISSION WAS ABATED.  
[RULE 3004 (a)(4)]
7. THE OPERATOR SHALL PERFORM AN ANNUAL INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
- A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
  - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
  - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.  
[RULE 3004 (a)(4)]

### **Emissions and Requirements:**

8. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULE AND REGULATION:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 1155  
VISIBLE EMISSIONS: 0 PERCENT OPACITY, RULE 1155

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **PERMIT TO CONSTRUCT**

**A/N 519893  
Granted as of  
March 18, 2011**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, WHITE, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATOR, MODEL NO. 4014048, 6 CYLINDERS, 4 CYCLES, TURBOCHARGED, 180 BHP, WITH 1 EXHAUST.

#### **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. THE OPERATOR SHALL NOT PURCHASE OR USE DIESEL FUEL WITH A SULFUR CONTENT THAT EXCEEDS 15 PPM BY WEIGHT.  
[RULE 1470]
4. AN OPERATIONAL NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1470]
5. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 30 HOURS PER CALENDAR YEAR FOR MAINTENANCE AND TESTING AS REQUIRED IN RULE 1470(c)(3).  
[RULE 1470]
6. OPERATION BEYOND THE ALLOTTED TIME FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE 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 1470]

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

7. THIS ENGINE SHALL NOT BE USED AS PART OF AN INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ELECTRIC LOAD ON THE GRID WHEN REQUESTED BY THE UTILITY OR THE GRID OPERATOR. [RULE 1470]
8. THE OPERATOR SHALL KEEP A LOG OF ENGINE OPERATIONS DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH CALENDAR MONTH AND THE SPECIFIC REASON FOR OPERATION AS:
  - A. EMERGENCY USE
  - B. MAINTENANCE AND TESTING
  - C. OTHER (BE SPECIFIC)

IN ADDITION, FOR EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF ENGINE OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TOTALIZING HOUR METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND THE END OF THE OPERATION. ON OR BEFORE JANUARY 15<sup>TH</sup> OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATING LOG:

- A. TOTAL HOURS OF ENGINE OPERATION FOR THE PREVIOUS CALENDAR YEAR.
- B. TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANC AND TESTING FOR THE PREVIOUS CALENDAR YEAR.

ENGINE OPERATION LOG(S) SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE CALENDAR YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. [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 EMISSION LIMITS  
PM: RULE 1470  
HAP: 40 CFR 63 Subpart ZZZZ, SEE SECTION J FOR REQUIREMENTS

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO CONSTRUCT

**A/N 521682**  
**Granted as of**  
**July 8, 2011**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, GENERAC, MODEL NO. 6.8GLPNGD-130, NATURAL GAS FUELED, EMERGENCY ELECTRICAL GENERATION, NATURALLY ASPIRATED, TEN CYLINDERS, 189 BHP, WITH A THREE-WAY CATALYTIC CONVERTER AND AN AIR-FUEL RATIO CONTROLLER, DRIVING A 130 KW ELECTRICAL GENERATOR.

#### **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. A NON-RESETTABLE TIMER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304(a)(4)]
4. THIS EQUIPMENT SHALL NOT BE OPERATED IN EXCESS OF THE FOLLOWING EMISSION LIMITS:  
  
NO<sub>x</sub> = 1.5 G/BHP-HR  
VOC = 1.5 G/BHP-HR  
CO = 2.0 G/BHP-HR  
[RULE 1303(a)(1)-BACT]
5. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 1304(a)(4)]

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

6. OPERATION BEYOND THE 50 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT: (A) 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 (B) 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)]
7. THIS ENGINE SHALL NOT BE OPERATED WITHOUT THE USE OF AN AUTOMATIC AIR-TO-FUEL RATIO CONTROLLER WHICH SHALL BE MAINTAINED AND KEPT IN PROPER OPERATING CONDITIONS AT ALL TIMES AS SPECIFIED BY THE MANUFACTURER.  
[RULE 3004(a)(4)]
8. THE CATALYTIC CONVERTER TEMPERATURE AND EXHAUST OXYGEN CONCENTRATION SHALL BE MAINTAINED WITHIN THE EFFECTIVE RANGE OF THE CATALYTIC CONVERTER AS SPECIFIED BY THE MANUFACTURER.  
[RULE 3004(a)(4)]
9. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION AND THE REASON FOR OPERATION. THE LOGS SHALL BE MAINTAINED FOR A MINIMUM OF THREE YEARS FROM THE DATE OF ENTRY AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION (INCLUDING HOURS FOR A MANUAL AND AUTOMATIC OPERATION) SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 1304(a)]

### **Periodic Monitoring:**

10. THE OPERATOR SHALL INSTALL AND MAINTAIN A TEMPERATURE GAUGE TO ACCURATELY INDICATE THE TEMPERATURE AT THE INLET AND OUTLET OF THE CATALYST. THE OPERATOR SHALL ALSO INSTALL AND MAINTAIN A DEVICE TO CONTINUOUSLY RECORD THE PARAMETER BEING MEASURED.  
[RULE 3004 (a)(4)]

### **Emissions and Requirements:**

11. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
NOX: 1.5 G/BHP-HR, RULE 1303(a)(1)-BACT  
VOC: 1.5 G/BHP-HR, RULE 1303(a)(1)-BACT  
CO: 2.0 G/BHP-HR, RULE 1303(a)(1)-BACT  
HAP: 40 CFR 63 Subpart ZZZZ, SEE SECTION J FOR REQUIREMENTS

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO CONSTRUCT

A/N 527966  
Granted as of

#### Equipment Description:

MODIFICATION TO AIR POLLUTION CONTROL SYSTEM UNDER A/N 506173 (P/O G12465) CONSISTING OF:

1. REGENERATIVE THERMAL OXIDIZER, ADWEST TECHNOLOGIES, MODEL NO. RETOX 30.0 RTO95, 22'-6" W. X 38'-10" L. X 12'-2" H., WITH ONE 8,000,000 BTU PER HOUR NATURAL GAS-FIRED START-UP BURNER, MAXON, MODEL NO. KINEMAX 6 INCH SERIES G, ONE 4,500,000 BTU PER HOUR NATURAL GAS INJECTION SYSTEM, ONE 15 HP COMBUSTION AIR BLOWER, AND TWO HEAT EXCHANGER BEDS, EACH WITH 37,088 LBS OF CERAMIC MEDIA.
2. EXHAUST SYSTEM CONSISTING OF ONE 200 HP EXHAUST FAN VENTING TWO OUTER DIAMETER COATERS IN TWO PERMANENT TOTAL ENCLOSURES, TWO INSIDE DIAMETER SPRAY ENCLOSURES IN TWO PERMANENT TOTAL ENCLOSURES, TWO BAKE OVENS AND A UV COATER IN A PERMANENT TOTAL ENCLOSURE.

BY THE ADDITION OF A NON-RESETTABLE TIMER TO VERIFY START-UP BURNER OPERATING TIME.

#### 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. THE OXIDIZER SHALL BE FIRED ON NATURAL GAS ONLY.  
[RULE 1303(a)(1)-BACT]
4. NO<sub>x</sub> EMISSIONS FROM THE START-UP BURNER SHALL NOT EXCEED 90 PPMV OF NO<sub>x</sub> EMISSIONS @ 3% O<sub>2</sub>.  
[RULE 1303(a)(1)-BACT]
5. THE START-UP BURNER SHALL BE OPERATED NO MORE THAN ONE HOUR IN ANY DAY.  
[RULE 1303(a)(1)-BACT]
6. A NON-RESETTABLE TIMER SHALL BE INSTALLED AND MAINTAINED TO VERIFY COMPLIANCE WITH CONDITION NO. 5.  
[RULE 1303(a)(1)-BACT]

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

7. THE OPERATOR SHALL OPERATE AND MAINTAIN THIS EQUIPMENT ACCORDING TO THE FOLLOWING REQUIREMENTS:
- A. THE COMBUSTION CHAMBER TEMPERATURE SHALL BE MAINTAINED AT A MINIMUM OF 1,400 DEGREES FAHRENHEIT WHENEVER THE EQUIPMENT IT SERVES IS IN OPERATION.
  - B. THE OPERATOR SHALL OPERATE AND MAINTAIN A TEMPERATURE MEASURING AND RECORDING SYSTEM TO CONTINUOUSLY MEASURE AND RECORD THE COMBUSTION CHAMBER TEMPERATURE PURSUANT TO THE OPERATION AND MAINTENANCE REQUIREMENTS SPECIFIED IN 40 CFR PART 64.7. SUCH A SYSTEM SHALL HAVE AN ACCURACY OF WITHIN 1% OF THE TEMPERATURE BEING MONITORED AND SHALL BE INSPECTED, MAINTAINED, AND CALIBRATED ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
  - C. FOR THE PURPOSE OF THIS CONDITION, A DEVIATION SHALL BE DEFINED AS WHEN A COMBUSTION CHAMBER TEMPERATURE OF LESS THAN 1,400 DEGREES FAHRENHEIT OCCURS DURING NORMAL OPERATION OF THE EQUIPMENT IT SERVES. THE OPERATOR SHALL REVIEW THE RECORDS OF THE COMBUSTION CHAMBER TEMPERATURE ON A DAILY BASIS TO DETERMINE IF A DEVIATION OCCURS OR SHALL INSTALL AN ALARM SYSTEM TO ALERT THE OPERATOR WHEN A DEVIATION OCCURS.
  - D. WHENEVER A DEVIATION OCCURS, THE OPERATOR SHALL INSPECT THIS EQUIPMENT TO IDENTIFY THE CAUSE OF SUCH A DEVIATION, TAKE IMMEDIATE CORRECTIVE ACTION TO MAINTAIN THE COMBUSTION CHAMBER TEMPERATURE AT OR ABOVE 1,400 DEGREES FAHRENHEIT, AND KEEP RECORDS OF THE DURATION AND CAUSE (INCLUDING UNKNOWN CAUSE, IF APPLICABLE) OF THE DEVIATION AND THE CORRECTIVE ACTION TAKEN.
  - E. ALL DEVIATIONS SHALL BE REPORTED TO THE DISTRICT PURSUANT TO THE REQUIREMENTS SPECIFIED IN 40 CFR PART 64.9 AND CONDITION NOS. 22 AND 23 IN SECTION K OF THIS PERMIT. THE REPORT SHALL INCLUDE THE TOTAL OPERATING TIME OF THIS EQUIPMENT AND THE TOTAL ACCUMULATED DURATION OF ALL DEVIATIONS FOR EACH SEMI-ANNUAL REPORTING PERIOD SPECIFIED IN CONDITION NO. 23 IN SECTION K OF THIS PERMIT.
  - F. THE OPERATOR SHALL SUBMIT AN APPLICATION WITH A QUALITY IMPROVEMENT PLAN (QIP) IN ACCORDANCE WITH 40 CFR PART 64.8 TO THE DISTRICT IF AN ACCUMULATION OF DEVIATIONS EXCEEDS 5 PERCENT DURATION OF THIS EQUIPMENT'S TOTAL OPERATING TIME FOR ANY SEMI-ANNUAL REPORTING PERIOD SPECIFIED IN CONDITION NO. 23 IN SECTION K OF THIS PERMIT. THE REQUIRED QIP SHALL BE SUBMITTED TO THE DISTRICT WITHIN 90 CALENDAR DAYS AFTER THE DUE DATE FOR THE SEMI-ANNUAL MONITORING REPORT.
  - G. THE OPERATOR SHALL INSPECT AND MAINTAIN ALL COMPONENTS OF THIS EQUIPMENT ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
  - H. THE OPERATOR SHALL KEEP ADEQUATE RECORDS IN A FORMAT THAT IS ACCEPTABLE TO THE DISTRICT TO DEMONSTRATE COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS SPECIFIED IN THIS CONDITION AND 40 CFR PART 64.9 FOR A MINIMUM OF FIVE YEARS.  
[RULE 1303(a)(1)-BACT, 3004(a)(4)-PERIODIC MONITORING, 40CFR PART 64]

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

8. THE OPERATOR SHALL MAINTAIN THE CONTROL EQUIPMENT TO ACHIEVE A MINIMUM DESTRUCTION EFFICIENCY OF 95% AND A MINIMUM OVERALL CONTROL EFFICIENCY (COLLECTION AND DESTRUCTION) OF 90% DURING NORMAL OPERATION OF THE EQUIPMENT IT VENTS.  
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
9. THE OPERATOR SHALL MAINTAIN THE PERMANENT TOTAL ENCLOSURES (PTE) FOR THE OUTER DIAMETER COATERS, INSIDE DIAMETER SPRAYERS AND UV COATER PURSUANT TO ALL CRITERIA SPECIFIED IN EPA METHOD 204.  
[RULE 1303(a)(1)-BACT]
10. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY 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 TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]
11. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF RULE 1147. PRIOR TO MODIFICATION OF THIS EQUIPMENT TO COME INTO COMPLIANCE WITH THE EMISSION LIMIT OF THIS RULE, THE OPERATOR SHALL SUBMIT AN APPLICATION AND RECEIVE APPROVAL FOR CONSTRUCTION OR MODIFICATION OF THE EQUIPMENT.  
[RULE 1147]
12. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT SOURCE TESTS UNDER THE FOLLOWING CONDITIONS:
  - A. THE SOURCE TEST SHALL BE CONDUCTED NO LATER THAN 180 DAYS AFTER THE INITIAL START-UP OF THIS EQUIPMENT AFTER THE MODIFICATION IS COMPLETE UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT.
  - B. A SOURCE TEST PROTOCOL SHALL BE SUBMITTED TO THE DISTRICT NO LATER THAN 60 DAYS AFTER THE INITIAL START-UP OF THIS EQUIPMENT UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT. THE TEST PROTOCOL SHALL BE APPROVED IN WRITING BY THE DISTRICT BEFORE THE TEST COMMENCES. THE TEST PROTOCOL SHALL INCLUDE THE COMPLETED DISTRICT FORMS ST-1 AND ST-2 SPECIFYING 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(k), AND A DESCRIPTION OF THE SAMPLING AND ANALYTICAL PROCEDURES TO BE USED.

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

- C. THE SOURCE TEST SHALL CONSIST OF, BUT MAY NOT BE LIMITED TO, TESTING AT THE INLET AND THE EXHAUST OF THE THERMAL OXIDIZER FOR:
- (1) VOLATILE ORGANIC COMPOUND (VOC) IN PPMV AND LBS/HR
  - (2) OXIDES OF NITROGEN (THERMAL OXIDIZER EXHAUST ONLY)
  - (3) CARBON MONOXIDE (THERMAL OXIDIZER EXHAUST ONLY)
  - (4) VOC DESTRUCTION EFFICIENCY
  - (5) USAGE OF ALL VOC-CONTAINING MATERIALS (COATINGS, INKS, SOLVENTS, ETC.) DURING THE TEST
  - (6) OXYGEN CONTENT
  - (7) MOISTURE CONTENT
  - (8) FLOW RATE
  - (9) TEMPERATURE
- D. THE SOURCE TEST SHALL BE CONDUCTED WHILE THE OXIDIZER IS OPERATING AT A TEMPERATURE OF NOT LESS THAN THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THIS PERMIT. IF THE OPERATING TEMPERATURE DURING THE SOURCE TEST IS GREATER THAN THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THIS PERMIT, THE MINIMUM OPERATING TEMPERATURE MAY BE INCREASED AT THE TIME A PERMIT TO OPERATE IS ISSUED TO REFLECT THE OPERATING TEMPERATURE DURING THE SOURCE TEST.
- E. A WRITTEN NOTICE OF THE SOURCE TEST SHALL BE SUBMITTED TO THE DISTRICT AT LEAST 14 DAYS PRIOR TO SOURCE TESTING DATE SO THAT AN OBSERVER FROM THE DISTRICT MAY BE PRESENT.
- F. TWO COMPLETE COPIES OF THE SOURCE TEST REPORT SHALL BE SUBMITTED TO THE DISTRICT WITHIN 45 DAYS AFTER THE SOURCE TESTING DATE. THE SOURCE TEST REPORT SHALL INCLUDE, BUT NOT BE LIMITED TO ALL TESTING DATA REQUIRED BY THIS CONDITION.
- G. A TESTING LABORATORY CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD IN THE REQUIRED TEST METHODS FOR CRITERIA POLLUTANTS TO BE MEASURED, AND IN COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TEST.
- H. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT'S "GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES", PURSUANT TO RULE 217.
- I. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL SUBMIT THE RESULTS OF ALL TESTS (INCLUDING PRELIMINARY TESTS) THAT ARE CONDUCTED ON THIS EQUIPMENT FOR INFORMATIONAL PURPOSES TO THE DISTRICT WITHIN 45 DAYS AFTER THE TESTING DATE.

[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]

### **Periodic Monitoring:**

13. THE OPERATOR SHALL CONDUCT SOURCE TEST(S) IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
- A. THE TEST SHALL BE CONDUCTED AT LEAST ONCE DURING THE LIFE OF THE PERMIT.
  - B. THE TEST SHALL BE CONDUCTED NO LATER THAN MAY 1, 2016 UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT.

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

- C. THE TEST SHALL BE CONDUCTED TO DETERMINE THE VOC EMISSIONS USING AN APPROVED DISTRICT METHOD TO DEMONSTRATE COMPLIANCE WITH ALL APPLICABLE PERMIT CONDITION(S), RULES AND REGULATIONS.
  - D. THE SOURCE TEST SHALL BE CONDUCTED WHILE THE OXIDIZER IS OPERATING AT A TEMPERATURE OF NOT LESS THAN THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THIS PERMIT. IF THE OPERATING TEMPERATURE DURING THE SOURCE TEST IS GREATER THAN THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THIS PERMIT, THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THIS PERMIT MAY BE INCREASED TO REFLECT THE OPERATING TEMPERATURE DURING THE SOURCE TEST.
  - E. THE OPERATOR SHALL COMPLY WITH ADMINISTRATIVE CONDITIONS NOs. 8, 9, AND 10 OF SECTION E OF THIS FACILITY PERMIT.
  - F. THE OPERATOR SHALL SUBMIT TWO COMPLETE COPIES OF THE SOURCE TEST REPORT SPECIFIED IN CONDITION NO. 9 OF SECTION E OF THIS FACILITY PERMIT TO THE DISTRICT ENGINEERING AND COMPLIANCE DIVISION. THE ENGINEERING COPY OF THE REPORT SHALL BE SENT TO: SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, COATING, PRINTING, PLATING, MILITARY AND ENTERTAINMENT AND AEROSPACE OPERATIONS, ATTN: AIR QUALITY AND COMPLIANCE SUPERVISOR, 21865 COPLEY DRIVE, DIAMOND BAR, CA 91765. THE COMPLIANCE COPY OF THE REPORT SHALL BE SENT TO: SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765.
- [RULE 3004(a)(4)]

### **Emissions and Requirements:**

- 14. 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 1171, SEE APPENDIX B FOR EMISSION LIMITS
  - CO: 2000 PPMV, RULE 407
  - PM: 0.1 GR/SCF, RULE 409
  - PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
  - NOx: RULE 1147

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### PERMIT TO CONSTRUCT

A/N 534582  
Granted as of

#### Equipment Description:

MODIFICATION TO GALVANIZING LINE NO. 4 CONSISTING OF:

1. CLEANING TANK.
2. FORMING MILL.
3. SEAM WELDER, 300 KW.
4. BUFFING WHEEL.
5. PICKLING TANK.
6. CONDUIT PREHEATER, ELECTRICALLY HEATED.
7. FURNACE, ZINC GALVANIZING, LINDBURG, HEVI-DUTY, KETTLE-TYPE, 3'-6" W. X 20'-0" L. X 6'-3" H., 4,550,000 BTU PER HOUR, NATURAL GAS-FIRED, WITH A 7 ½ HP BLOWER, AND A DROSS CONTAINER.
8. COOLING TANK.
9. SIZING MILL.
10. CHROMATE COATER.
11. UV COATER.
12. LACQUER COATER.
13. UV CURE STATION, ELECTRICALLY HEATED.
14. CONDUIT CUT OFF.

BY EXTENDING THE ENCLOSURE FROM THE LACQUER COATER TO THE UV CURE STATION.

#### 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]

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE PICKLING TANK, FURNACE AND DROSS CONTAINER SHALL NOT BE OPERATED UNLESS THEY ARE VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.  
[RULE 1303(a)(1)-BACT]
4. THE CHROMATE, UV, AND LACQUER COATERS, AND UV CURE STATION SHALL NOT BE OPERATED UNLESS THEY ARE VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT FOR VOC WHICH IS IN FULL USE AND HAS BEEN ISSUED A VALID OPERATING PERMIT BY THE EXECUTIVE OFFICER.  
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
5. THE TOTAL QUANTITY OF NATURAL GAS USED IN THIS EQUIPMENT SHALL NOT EXCEED 1,716,000 CUBIC FEET IN ANY CALENDAR MONTH.  
[RULE 1303(a)(1)-BACT]
6. THE TOTAL QUANTITY OF NATURAL GAS USED IN GALVANIZING LINE NOS. 2 AND 4 SHALL NOT EXCEED A TOTAL OF 3,600,000 CUBIC FEET COMBINED IN ANY CALENDAR MONTH.  
[RULE 1303(b)(2)-OFFSET]
7. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE TOTALIZING FUEL METER TO ACCURATELY INDICATE THE AMOUNT OF FUEL BEING SUPPLIED TO THIS EQUIPMENT.  
[RULE 1303(a)(1)-BACT]
8. THE TOTAL QUANTITY OF VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS FROM THE USE OF MATERIALS APPLIED IN THE CHROMATE, UV AND LACQUER COATERS OF GALVANIZING LINE NOS. 2, 4 AND 6 COMBINED SHALL NOT EXCEED 30 POUNDS, AFTER CONTROL, IN ANY ONE DAY. FOR EQUIPMENT THAT IS VENTED TO AIR POLLUTION CONTROL (APC) EQUIPMENT FOR VOC, THE VOC EMISSIONS SHALL BE CALCULATED USING THE REQUIRED OVERALL CONTROL EFFICIENCY SPECIFIED IN THE PERMIT(S) FOR THE APC EQUIPMENT.  
[RULE 1303(b)(2)-OFFSET]
9. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY DAILY VOC EMISSIONS, IN POUNDS, AND THE VOC CONTENT OF EACH MATERIAL, AS APPLIED, INCLUDING WATER AND EXEMPT COMPOUNDS.  
[RULE 109, 1303(b)(2)-OFFSET]
10. MATERIALS USED IN THE CHROMATE, LACQUER AND UV COATERS SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1, EXCEPT HEXAVALENT CHROMIUM, ETHYL BENZENE, TOLUENE AND XYLENE, WITH AN EFFECTIVE DATE OF SEPTEMBER 10, 2010 OR EARLIER.  
[RULE 1401]

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

11. THE CLEANING MATERIAL USED IN THE CLEANING TANK SHALL NOT CONTAIN ANY VOC OR ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1, WITH AN EFFECTIVE DATE OF MARCH 7, 2008 OR EARLIER.  
[RULE 1303(b)(2)-OFFSET, 1401]

### Periodic Monitoring:

12. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE ANNUAL PERIOD. THE ROUTINE ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS.

IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE-HOUR, THE OPERATOR SHALL VERIFY AND CERTIFY WITHIN 24 HOURS THAT THE EQUIPMENT CAUSING THE EMISSION AND ANY ASSOCIATED AIR POLLUTION CONTROL EQUIPMENT ARE OPERATING NORMALLY ACCORDING TO THEIR DESIGN AND STANDARD PROCEDURES AND UNDER THE SAME CONDITIONS UNDER WHICH COMPLIANCE WAS ACHIEVED IN THE PAST, AND EITHER:

- A. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT; OR
- 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.

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)]

13. THE OPERATOR SHALL CONDUCT SOURCE TEST(S) IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:

- A. THE TEST SHALL BE CONDUCTED AT LEAST ONCE EVERY FIVE YEARS.
- B. THE TEST SHALL CONSIST OF, BUT MAY NOT BE LIMITED TO, A TEST OF THE INLET AND EXHAUST OF THE FURNACE FOR:

- (1) OXIDES OF NITROGEN (NO<sub>x</sub>) IN PPMV AND LBS/HR (FURNACE EXHAUST ONLY)
- (2) CARBON MONOXIDE (CO) IN PPMV AND LBS/HR (FURNACE EXHAUST ONLY)
- (3) OXYGEN CONTENT

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

- (4) MOISTURE CONTENT
- (5) FLOW RATE
- (6) TEMPERATURE

- C. THE SOURCE TEST SHALL BE CONDUCTED DURING NORMAL OPERATION OF THE FURNACE.
- D. THE TEST SHALL BE CONDUCTED TO DETERMINE NOX AND CO EMISSIONS USING AN APPROVED DISTRICT METHOD TO DEMONSTRATE COMPLIANCE WITH ALL APPLICABLE PERMIT CONDITION(S), RULES AND REGULATIONS
- E. THE OPERATOR SHALL COMPLY WITH ADMINISTRATIVE CONDITIONS NOS. 8, 9, AND 10 OF SECTION E OF THIS FACILITY PERMIT.
- F. THE OPERATOR SHALL SUBMIT TWO COMPLETE COPIES OF THE SOURCE TEST REPORT SPECIFIED IN CONDITION NO. 9 OF SECTION E OF THIS FACILITY PERMIT TO THE DISTRICT ENGINEERING AND COMPLIANCE DIVISION. THE ENGINEERING COPY OF THE REPORT SHALL BE SENT TO: SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, COATING, PRINTING, PLATING, MILITARY AND ENTERTAINMENT AND AEROSPACE OPERATIONS, ATTN: AIR QUALITY AND COMPLIANCE SUPERVISOR, 21865 COPLEY DRIVE, DIAMOND BAR, CA 91765. THE COMPLIANCE COPY OF THE REPORT SHALL BE SENT TO: SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765.

[RULE 3004(a)(4)]

### **Emissions and Requirements:**

- 14. 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 1171, SEE APPENDIX B FOR EMISSION LIMITS  
CO: 2000 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409  
PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS  
NOx: 42 PPMV, RULE 1303(b)(2)-OFFSET  
NOx: 60 PPMV, RULE 1147

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### 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, AND (c) VOC CONTENT AS SUPPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATINGS.

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, AND (c) VOC CONTENT AS APPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATINGS.

[RULE 3004 (a) (4)]

#### Emissions and Requirements:

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

VOC: RULE 1113, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **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 WESTERN TUBE & CONDUIT CORP**

### **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 REGULATIONS:

REFRIGERANT: RULE 1415  
REFRIGERANT: 40CFR 82 SUBART F

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **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<sup>+6</sup>: RULE 1404

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### RULE 219 EQUIPMENT

#### Equipment Description:

RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, GLOVE-BOX, < 53 FT<sup>3</sup>, WITH DUST FILTER.

#### Periodic Monitoring:

1. THE OPERATOR SHALL PERFORM AN ANNUAL INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
  - A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
  - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
  - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.[RULE 3004 (a)(4)]
  
2. THE OPERATOR SHALL DISCHARGE DUST COLLECTED IN THIS EQUIPMENT ONLY INTO CLOSED CONTAINERS.  
[RULE 3004 (a)(4)]
  
3. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE ANNUAL PERIOD. THE ROUTINE ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED, THE OPERATOR SHALL TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT.  
THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:
  - A. STACK OR EMISSION POINT IDENTIFICATION;
  - B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS; AND
  - C. DATE AND TIME VISIBLE EMISSION WAS ABATED.[RULE 3004 (a)(4)]

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **Emissions and Requirements:**

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 1140, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **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 REGULATIONS:

VOC: RULE 1122

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, LOW USE OR EMISSIONS

**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

VOC: RULE 1107, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 109

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **RULE 219 EQUIPMENT**

#### **Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, OPEN TOP-VAPOR DEGREASERS, HEATED, < 1.0 FT2.

#### **Periodic Monitoring:**

1. THE OPERATOR SHALL PERFORM A MONTHLY INSPECTION OF THE COVER TO ASSURE COMPLIANCE WITH RULE 1122 (c) (2)(A).
2. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH RULE 1122 (e)(6) REQUIREMENTS BY MEASURING THE TEMPERATURE AT THE CENTER OF THE AIR BLANKET ONCE A MONTH IF THE FREEBOARD REFRIGERATION DEVICE IS USED, OR MEASURING THE TEMPERATURE AT THE CENTER OF THE SUPERHEATED SOLVENT VAPOR ZONE ONCE A MONTH IF SUPERHEATED VAPOR SYSTEM IS USED. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS FACILITY PERMIT, THE OPERATOR SHALL KEEP RECORDS OF THE CORRECTIVE ACTIONS TAKEN WHEN THE MONITORING DEMONSTRATE NON COMPLIANCE.

#### **Emissions and Requirements:**

3. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
VOC: RULE 1122

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **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

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **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 WESTERN TUBE & CONDUIT CORP**

### **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 WESTERN TUBE & CONDUIT CORP**

### **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]
  - 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).
  - 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.

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **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  
WESTERN TUBE & CONDUIT CORP**

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

NOT APPLICABLE

**FACILITY PERMIT TO OPERATE  
WESTERN TUBE & CONDUIT CORP**

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

NOT APPLICABLE

**FACILITY PERMIT TO OPERATE  
WESTERN TUBE & CONDUIT CORP**

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

See Section D of this permit for any Permit to Construct issued to this facility.

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **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 WESTERN TUBE & CONDUIT CORP**

### **SECTION J: AIR TOXICS [40CFR 63 Subpart ZZZZ 01-18-2008]**

#### **NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINES**

The owner/operator of stationary Reciprocating Internal Combustion Engines (RICE) located at major or area sources of hazardous air pollutant (HAP) emissions shall comply with the applicable requirements of 40 CFR 63 Subpart ZZZZ including but not limited to the following:

1. The owner/operator of existing, new or reconstructed stationary RICE shall comply with emission and operating limitation requirements as specified in §63.6600 and §63.6601 at all times except during periods of startups, shutdowns, and malfunctions. The owner/operator shall also comply with requirements of the General Provisions (40 CFR 63 Subpart A) as specified in §63.6665.
2. The owner/operator shall operate and maintain a stationary RICE, including air pollution control and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times, including during startup, shutdown and malfunction pursuant to §63.6605.
3. The owner/operator shall demonstrate initial compliance as specified in §63.6610 and §63.6611, and subsequent performance tests and other procedures as specified in §63.6615 and §63.6620.
4. The owner/operator shall comply with monitoring, installation, operation, and maintenance requirements as specified in §63.6625 and §63.660.
5. The owner/operator shall monitor and collect data to demonstrate continuous compliance with emission and operating limitations as specified in §63.6635 and §63.6640.
6. The owner/operator shall sent notifications and reports as specified in §63.6645 and §63.6650. Also, the owner/operator shall keep records as specified in §63.6655.

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **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 WESTERN TUBE & CONDUIT CORP**

### **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 WESTERN TUBE & CONDUIT CORP**

### **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 WESTERN TUBE & CONDUIT CORP**

### **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 WESTERN TUBE & CONDUIT CORP**

### **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 WESTERN TUBE & CONDUIT CORP**

### **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 WESTERN TUBE & CONDUIT CORP**

### **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 WESTERN TUBE & CONDUIT CORP**

### **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 WESTERN TUBE & CONDUIT CORP

### 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	1-6-2006	Non federally enforceable
RULE 1107	11-9-2001	Federally enforceable
RULE 1110.2	7-9-2010	Non federally enforceable
RULE 1113	11-8-1996	Federally enforceable
RULE 1113	6-3-2011	Non federally enforceable
RULE 1122	10-1-2004	Federally enforceable
RULE 1122	5-1-2009	Non federally enforceable
RULE 1132	3-5-2004	Federally enforceable
RULE 1132	5-7-2004	Non federally enforceable
RULE 1140	2-1-1980	Federally enforceable
RULE 1140	8-2-1985	Non federally enforceable
RULE 1144	7-9-2010	Non federally enforceable
RULE 1146	11-17-2000	Federally enforceable
RULE 1146	9-5-2008	Non federally enforceable
RULE 1146.2	5-5-2006	Federally enforceable
RULE 1155	12-4-2009	Non federally enforceable
RULE 1171	11-7-2003	Federally enforceable
RULE 1171	5-1-2009	Non federally enforceable
RULE 118	12-7-1995	Non federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### SECTION K: TITLE V Administration

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 1303(b)(2)-Offset	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable
RULE 1304(a)-Modeling and Offset Exemption	6-14-1996	Federally enforceable
RULE 1401	12-7-1990	Non federally enforceable
RULE 1401	3-12-1999	Non federally enforceable
RULE 1401	3-4-2005	Non federally enforceable
RULE 1401	3-7-2008	Non federally enforceable
RULE 1401	5-2-2003	Non federally enforceable
RULE 1401	5-3-2002	Non federally enforceable
RULE 1401	6-5-2009	Non federally enforceable
RULE 1401	7-10-1998	Non federally enforceable
RULE 1404	4-6-1990	Non federally enforceable
RULE 1415	10-14-1994	Non federally enforceable
RULE 1418	9-10-1999	Non federally enforceable
RULE 1470	6-1-2007	Non federally enforceable
RULE 204	10-8-1993	Federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 219	6-1-2007	Non federally enforceable
RULE 219	9-4-1981	Federally enforceable
RULE 3002	11-14-1997	Federally enforceable
RULE 3002	11-5-2010	Non federally enforceable
RULE 3003	11-14-1997	Federally enforceable
RULE 3003	11-5-2010	Non federally enforceable
RULE 3004	12-12-1997	Federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable
RULE 3005	11-14-1997	Federally enforceable
RULE 3005	11-5-2010	Non federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 304	5-6-2011	Non federally enforceable
RULE 401	11-9-2001	Non federally enforceable
RULE 401	3-2-1984	Federally enforceable

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### SECTION K: TITLE V Administration

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 402	5-7-1976	Non federally enforceable
RULE 403	4-2-2004	Federally enforceable
RULE 403	6-3-2005	Non federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 405	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 429	12-21-1990	Non 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
RULE 442	12-15-2000	Federally enforceable
RULE 480	10-7-1977	Federally enforceable
RULE 481	1-11-2002	Federally enforceable
RULE 701	6-13-1997	Federally enforceable
40CFR 63 Subpart MMMM	12-22-2006	Federally enforceable
40CFR 63 Subpart MMMM	4-20-2006	Federally enforceable
40CFR 63 Subpart ZZZZ	1-18-2008	Federally enforceable
40CFR 82 Subpart F	5-14-1993	Federally enforceable
40CFR Part 64	10-22-1997	Federally enforceable

**FACILITY PERMIT TO OPERATE  
WESTERN TUBE & CONDUIT CORP**

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

NONE

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### APPENDIX B: RULE EMISSION LIMITS [RULE 1107 01-06-2006]

Except as otherwise provided in Rule 1107

(1) VOC Content of Coatings

A person 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:

<b>VOC LIMITS</b>								
<b>Less Water and Less Exempt Compounds</b>								
<b>Effective Dates</b>								
<b>Coating</b>	<b>Air-Dried</b>				<b>Baked</b>			
	<b>gm/l</b>		<b>lb/gal</b>		<b>gm/l</b>		<b>lb/gal</b>	
	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>
General One-Component	275	275	2.3	2.3	275	275	2.3	2.3
General Multi-Component	340	340	2.8	2.8	275	275	2.3	2.3
Military Specification	340	340	2.8	2.8	275	275	2.3	2.3
Etching Filler	420	420	3.5	3.5	420	420	3.5	3.5
Solar-Absorbent	420	420	3.5	3.5	360	360	3.0	3.0
Heat-Resistant	420	420	3.5	3.5	360	360	3.0	3.0
Extreme High-Gloss	420	340	3.5	2.8	360	360	3.0	3.0
Metallic	420	420	3.5	3.5	420	420	3.5	3.5

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### APPENDIX B: RULE EMISSION LIMITS [RULE 1107 01-06-2006]

<b>VOC LIMITS</b>								
<b>Less Water and Less Exempt Compounds</b>								
<b>Effective Dates, cont.</b>								
<b>Coating</b>	<b>Air-Dried</b>				<b>Baked</b>			
	<b>gm/l</b>		<b>lb/gal</b>		<b>gm/l</b>		<b>lb/gal</b>	
	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>
Extreme Performance	420	420	3.5	3.5	360	360	3.0	3.0
Prefabricated Architectural One-Component	420	275	3.5	2.3	275	275	2.3	2.3
Prefabricated Architectural Multi-Component	420	340	3.5	2.8	275	275	2.3	2.3
Touch Up	420	420	3.5	3.5	360	360	3.0	3.0
Repair	420	420	3.5	3.5	360	360	3.0	3.0
Silicone Release	420	420	3.5	3.5	420	420	3.5	3.5
High-Performance Architectural	420	420	3.5	3.5	420	420	3.5	3.5
Camouflage	420	420	3.5	3.5	420	420	3.5	3.5
Vacuum-Metalizing	420	420	3.5	3.5	420	420	3.5	3.5
Mold-Seal	420	420	3.5	3.5	420	420	3.5	3.5
High-Temperature	420	420	3.5	3.5	420	420	3.5	3.5
Electric-Insulating Varnish	420	420	3.5	3.5	420	420	3.5	3.5
Pan Backing	420	420	3.5	3.5	420	420	3.5	3.5
Pretreatment Coatings	420	420	3.5	3.5	420	420	3.5	3.5

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **APPENDIX B: RULE EMISSION LIMITS [RULE 1107 01-06-2006]**

- (2) A person 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.

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### APPENDIX B: RULE EMISSION LIMITS [RULE 1107 11-09-2001]

Except as otherwise provided in Rule 1107

(1) VOC Content of Coatings

A person 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:

<b>VOC LIMITS</b>								
<b>Less Water and Less Exempt Compounds</b>								
<b>Effective Dates</b>								
<b>Coating</b>	<b>Air-Dried</b>				<b>Baked</b>			
	<b>gm/l</b>		<b>lb/gal</b>		<b>gm/l</b>		<b>lb/gal</b>	
	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>
General One-Component	275	275	2.3	2.3	275	275	2.3	2.3
General Multi-Component	340	340	2.8	2.8	275	275	2.3	2.3
Military Specification	340	340	2.8	2.8	275	275	2.3	2.3
Etching Filler	420	420	3.5	3.5	420	420	3.5	3.5
Solar-Absorbent	420	420	3.5	3.5	360	360	3.0	3.0
Heat-Resistant	420	420	3.5	3.5	360	360	3.0	3.0
Extreme High-Gloss	420	340	3.5	2.8	360	360	3.0	3.0
Metallic	420	420	3.5	3.5	420	420	3.5	3.5

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### APPENDIX B: RULE EMISSION LIMITS [RULE 1107 11-09-2001]

Except as otherwise provided in Rule 1107

(1) VOC Content of Coatings

A person 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:

<b>VOC LIMITS</b>								
<b>Less Water and Less Exempt Compounds</b>								
<b>Effective Dates</b>								
<b>Coating</b>	<b>Air-Dried</b>				<b>Baked</b>			
	<b>gm/l</b>		<b>lb/gal</b>		<b>gm/l</b>		<b>lb/gal</b>	
	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>
General One-Component	275	275	2.3	2.3	275	275	2.3	2.3
General Multi-Component	340	340	2.8	2.8	275	275	2.3	2.3
Military Specification	340	340	2.8	2.8	275	275	2.3	2.3
Etching Filler	420	420	3.5	3.5	420	420	3.5	3.5
Solar-Absorbent	420	420	3.5	3.5	360	360	3.0	3.0
Heat-Resistant	420	420	3.5	3.5	360	360	3.0	3.0
Extreme High-Gloss	420	340	3.5	2.8	360	360	3.0	3.0
Metallic	420	420	3.5	3.5	420	420	3.5	3.5

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### APPENDIX B: RULE EMISSION LIMITS [RULE 1107 11-09-2001]

<b>VOC LIMITS</b>								
<b>Less Water and Less Exempt Compounds</b>								
<b>Effective Dates, cont.</b>								
<b>Coating</b>	<b>Air-Dried</b>				<b>Baked</b>			
	<b>gm/l</b>		<b>lb/gal</b>		<b>gm/l</b>		<b>lb/gal</b>	
	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>
Extreme Performance	420	420	3.5	3.5	360	360	3.0	3.0
Prefabricated Architectural One-Component	420	275	3.5	2.3	275	275	2.3	2.3
Prefabricated Architectural Multi-Component	420	340	3.5	2.8	275	275	2.3	2.3
Touch Up	420	420	3.5	3.5	360	360	3.0	3.0
Repair	420	420	3.5	3.5	360	360	3.0	3.0
Silicone Release	420	420	3.5	3.5	420	420	3.5	3.5
High-Performance Architectural	420	420	3.5	3.5	420	420	3.5	3.5
Camouflage	420	420	3.5	3.5	420	420	3.5	3.5
Vacuum-Metalizing	420	420	3.5	3.5	420	420	3.5	3.5
Mold-Seal	420	420	3.5	3.5	420	420	3.5	3.5
High-Temperature	420	420	3.5	3.5	420	420	3.5	3.5
Electric-Insulating Varnish	420	420	3.5	3.5	420	420	3.5	3.5
Pan Backing	420	420	3.5	3.5	420	420	3.5	3.5
Pretreatment Coatings	420	420	3.5	3.5	420	420	3.5	3.5

- (2) A person 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.

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 11-08-1996]

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

### TABLE OF STANDARDS

#### VOC LIMITS

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

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

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 11-08-1996]

Industrial Maintenance						
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

### TABLE OF STANDARDS (cont.)

#### VOC LIMITS

#### Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]**

- (1) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6) of Rule 1113, no person shall supply, sell, offer for sale, market, manufacture, blend, repackage, apply, store at a worksite, or solicit the application of any architectural coating within the District:
  - (A) That is listed in the Table of Standards 1 and 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; or
  - (B) That is not listed in the Table of Standards 1, and contains VOC (excluding any colorant added to tint bases) in excess of 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, until January 1, 2014, at which time the limit drops to 50 grams of VOC per liter of coating, less water, less exempt compounds (0.42 pounds per gallon).
- (2) No person within the District shall add colorant at the point of sale that is listed in the Table of Standards 2 and contains VOC in excess of the corresponding VOC limit specified in the Table of Standards 2, after the effective date specified.

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

#### TABLE OF STANDARDS 1 VOC LIMITS

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

COATING CATEGORY	Ceiling Limit <sup>1</sup>	Current Limit <sup>2</sup>	Effective Date		
			7/1/08	1/1/12	1/1/14
Bond Breakers		350			
Clear Wood Finishes		275			
Varnish	350	275			
Sanding Sealers	350	275			
Lacquer		275			
Concrete-Curing Compounds		100			
Concrete-Curing Compounds For Roadways and Bridges <sup>3</sup>		350			
Concrete Surface Retarder		250			50
Driveway Sealer		100		50	
Dry-Fog Coatings		150			50
Faux Finishing Coatings					
Clear Topcoat		350		200	
Decorative Coatings		350			100
Glazes		350			
Japan		350			
Trowel Applied Coatings		350		150	50
Fire-Proofing Coatings		350			150
Flats	250	50	50		
Floor Coatings	100	50			
Form Release Compound		250			100
Graphic Arts (Sign) Coatings		500			150
Industrial Maintenance (IM) Coatings	420	100			
High Temperature IM Coatings		420			
Non-Sacrificial Anti-Graffiti Coatings		100			
Zinc-Rich IM Primers	340	100			
Magnesite Cement Coatings		450			
Mastic Coatings		300			100
Metallic Pigmented Coatings	500	500			150
Multi-Color Coatings		250			
Nonflat Coatings	150	50			
Pre-Treatment Wash Primers		420			
Primers, Sealers, and Undercoaters	200	100			
Reactive Penetrating Sealers		350			
Recycled Coatings		250			
Roof Coatings	250	50			
Roof Coatings, Aluminum		100			

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

Roof Primers, Bituminous	350	350			
Rust Preventative Coatings	400	100			
Stone Consolidant		450			
Sacrificial Anti-Graffiti Coatings		100		50	
Shellac					
Clear		730			
Pigmented		550			
Specialty Primers	350	100			
Stains		100			

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

COATING CATEGORY	Ceiling Limit <sup>1</sup>	Current Limit <sup>2</sup>	Effective Date		
			7/1/08	1/1/12	1/1/14
Stains, Interior	250	250			
Swimming Pool Coatings					
Repair		340			
Other		340			
Traffic Coatings		100			
Waterproofing Sealers	250	100			
Waterproofing Concrete/Masonry Sealers	400	100			
Wood Preservatives		350			

1. The specified ceiling limits are applicable to products sold under the Averaging Compliance Option.
2. The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.
3. Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

#### TABLE OF STANDARDS 1 (cont.) VOC LIMITS

##### Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

#### TABLE OF STANDARDS 2 VOC LIMITS FOR COLORANTS

##### Grams of VOC Per Liter of Colorant Less Water and Less Exempt Compounds

COLORANT	Limit <sup>4</sup>
Architectural Coatings, excluding IM Coatings	50
Solvent-Based IM	600
Waterborne IM	50

4. Effective January 1, 2014.

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **APPENDIX B: RULE EMISSION LIMITS [RULE 1140 02-01-1980]**

- (1) The operator shall not, if he complies with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:
  - (A) As dark or darker in shade as that designated as No. 2 on the Ringelmann Chart, as published by the United States Bureau of Mines, or
  - (B) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in (1)(A).
- (2) The operator shall not, if he is not complying with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:
  - (A) As dark or darker in shade as that designated as No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or
  - (B) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in (2)(A).

## **FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP**

### **APPENDIX B: RULE EMISSION LIMITS [RULE 1140 08-02-1985]**

- (1) The operator shall not, if he complies with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:
  - (A) As dark or darker in shade as that designated as No. 2 on the Ringelmann Chart, as published by the United States Bureau of Mines, or
  - (B) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in (1)(A).
- (2) The operator shall not, if he is not complying with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:
  - (A) As dark or darker in shade as that designated as No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or
  - (B) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in (2)(A).

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### APPENDIX B: RULE EMISSION LIMITS [RULE 1144 07-09-2010]

Except as otherwise provided in Rule 1144

(1) VOC Content

A person shall not use or solicit the use of any metalworking fluid or direct-contact lubricant that has a VOC content in excess of the limits contained in Table A of this paragraph:

**Table A – Fluid Categories and VOC Limits**

FLUID	EFFECTIVE 1/1/2010	EFFECTIVE 1/1/2011	EFFECTIVE 1/1/2012
	VOC g/l (lb/gal)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(A) Vanishing Oil	50 (0.42)		
(B) Metalworking Fluid			
(i) Metal Forming			75 (0.63)
(ii) Metal Removal			
(a) General			75 (0.63)
(b) Precision Metal Removal			130 (1.08)
(iii) Metal Treating			75 (0.63)
(iv) Metal Protecting			
(a) General	300 (2.50)		50 (0.42)
(b) Military Specified Preservative		340 (2.83)	
(C) Direct-Contact Lubricant			50 (0.42)

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 11-07-2003]

(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)

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 11-07-2003]

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	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	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	

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 11-07-2003]

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

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

(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:

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

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

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

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2010</b>
<b>SOLVENT CLEANING ACTIVITY (cont.)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(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 WESTERN TUBE & CONDUIT CORP

### 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 WESTERN TUBE & CONDUIT CORP

### 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	
		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		
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 WESTERN TUBE & CONDUIT CORP

### 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	
		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

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### APPENDIX B: RULE EMISSION LIMITS [RULE 405 02-07-1986]

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

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

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

**TABLE 405(a)**

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
		Kilograms Per Hour	Pounds Per Hour			Kilograms Per Hour	Pounds Per Hour
100 or  less	220 or less	0.450	0.99	9000	19840	5.308	11.7
150	331	0.585	1.29	10000	22050	5.440	12.0
200	441	0.703	1.55	12500	27560	5.732	12.6
250	551	0.804	1.77	15000	33070	5.982	13.2
300	661	0.897	1.98	17500	38580	6.202	13.7
350	772	0.983	2.17	20000	44090	6.399	14.1
400	882	1.063	2.34	25000	55120	6.743	14.9
450	992	1.138	2.51	30000	66140	7.037	15.5
500	1102	1.209	2.67	35000	77160	7.296	16.1
600	1323	1.340	2.95	40000	88180	7.527	16.6

## FACILITY PERMIT TO OPERATE WESTERN TUBE & CONDUIT CORP

### APPENDIX B: RULE EMISSION LIMITS [RULE 405 02-07-1986]

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
		Kilograms Per Hour	Pounds Per Hour			Kilograms Per Hour	Pounds Per Hour
700	1543	1.461	3.22	45000	99210	7.738	17.1
800	1764	1.573	3.47	50000	110200	7.931	17.5
900	1984	1.678	3.70	60000	132300	8.277	18.2
1000	2205	1.777	3.92	70000	154300	8.582	18.9
1250	2756	2.003	4.42	80000	176400	8.854	19.5
1500	3307	2.206	4.86	90000	198400	9.102	20.1
1750	3858	2.392	5.27	100000	220500	9.329	20.6
2000	4409	2.563	5.65	125000	275600	9.830	21.7
2250	4960	2.723	6.00	150000	330700	10.26	22.6
2500	5512	2.874	6.34	175000	385800	10.64	23.5
2750	6063	3.016	6.65	200000	440900	10.97	24.2
3000	6614	3.151	6.95	225000	496000	11.28	24.9
3250	7165	3.280	7.23	250000	551200	11.56	25.5
3600	7716	3.404	7.50	275000	606300	11.82	26.1
4000	8818	3.637	8.02	300000	661400	12.07	26.6
4500	9921	3.855	8.50	325000	716500	12.30	27.1
5000	11020	4.059	8.95	350000	771600	12.51	27.6
6000	13230	4.434	9.78	400000	881800	12.91	28.5
7000	15430	4.775	10.5	450000	992100	13.27	29.3
8000	17640	5.089	11.2	500000 or more	1102000 or more	13.60	30.0