

## **FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC**

### **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 MERCURY PLASTICS INC

### 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
422723	F70901	FLEXOGRAPHIC PRINTING PRESS #EL1, HEAT SET
422726	F70904	FLEXOGRAPHIC PRINTING PRESS #EL11, I.R. DRY
422727	F70905	FLEXOGRAPHIC PRINTING PRESS #EL12, AIR DRY
422728	F70906	FLEXOGRAPHIC PRINTING PRESS #EL2, AIR DRY
422732	F70908	FLEXOGRAPHIC PRINTING PRESS #7, HEAT-SET
422733	F70909	FLEXOGRAPHIC PRINTING PRESS #8, HEAT-SET
422735	F70910	FLEXOGRAPHIC PRINTING PRESS #9, HEAT-SET
422737	F70911	FLEXOGRAPHIC PRINTING PRESS #10, HEAT-SET
534716	G17691	REGENERATIVE THERMAL OXIDIZER
451331	F81494	FLEXOGRAPHIC PRINTING PRESS #EL10, I.R.-DRY
477957	G17690	FLEXOGRAPHIC PRINTING PRESS, AIR DRY
550631	G25733	FLEXOGRAPHIC PRINTING PRESS, AIR DRY
560822		REGENERATIVE THERMAL OXIDIZER (modification to G17691)
563674		REGENERATIVE THERMAL OXIDIZER
563675		FLEXOGRAPHIC PRINTING PRESS #11, HEAT-SET

**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 MERCURY PLASTICS INC

### 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 FROM THIS FACILITY SHALL NOT EXCEED 4418 POUNDS IN ANY ONE CALENDAR MONTH. FOR EQUIPMENT THAT IS VENTED TO AIR POLLUTION CONTROL (APC) EQUIPMENT, THE VOC EMISSIONS SHALL BE CALCULATED USING THE REQUIRED OVERALL CONTROL EFFICIENCY SPECIFIED IN THE PERMIT FOR THE APC SYSTEM.  
[RULE 1303(b)(2)-OFFSET]
3. THE OPERATOR SHALL COMPLY WITH RULE 109 (RECORDKEEPING FOR VOLATILE ORGANIC COMPOUND EMISSIONS).  
[RULE 109]
4. WITHIN 14 CALENDAR DAYS AFTER THE END OF EACH MONTH, THE OPERATOR SHALL TOTAL AND RECORD VOC 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.  
[RULE 109, 1303(b)(2)-OFFSET]
5. THE OPERATOR SHALL MAINTAIN A SINGLE LIST THAT INCLUDES ONLY THE NAME AND ADDRESS OF EACH PERSON FROM WHOM THE FACILITY ACQUIRED VOC-CONTAINING MATERIAL REGULATED BY THE DISTRICT THAT WAS USED OR STORED AT THE FACILITY DURING THE PRECEDING 12 MONTHS.  
[RULE 109, 1303(b)(2)-OFFSET]
6. THE OPERATOR SHALL RETAIN ALL PURCHASE INVOICES FOR ALL VOC-CONTAINING MATERIAL USED OR STORED AT THE FACILITY, AND ALL WASTE MANIFESTS FOR ALL WASTE VOC-CONTAINING MATERIAL REMOVED FROM THE FACILITY.  
[RULE 109, 1303(b)(2)-OFFSET]

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7. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, SHALL BE RETAINED AT THE FACILITY FOR AT LEAST FIVE YEARS, AND BE MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST  
[RULE 109, 1303(b)(2)-OFFSET]
  
8. MATERIAL SAFETY DATA SHEETS FOR ALL VOC CONTAINING MATERIALS USED IN THIS FACILITY SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

### PERMIT TO OPERATE

Permit No. F70901  
A/N 422723

#### Equipment Description:

FLEXOGRAPHIC PRINTING SYSTEM #EL1, CONSISTING OF:

1. UNWIND STATION
2. FOUR PRINTING UNITS, WITH ONE 10 H.P. MAIN DRIVE.
3. OVEN, 900,000 BTU PER HOUR, WITH ONE 1.8 H.P. CIRCULATING BLOWER, ONE 1.8 H.P. COMBUSTION BLOWER, AND ONE 2 1/2 EXHAUST BLOWER.
4. REWIND STATION WITH ONE 7 1/2 HP DRIVE.

#### 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 COMPOUNDS IDENTIFIED AS TOXIC AIR CONTAMINANTS IN RULE 1401 TABLE 1, WITH AN EFFECTIVE DATE OF MAY 2, 2003 OR EARLIER, WITH THE EXCEPTION OF ACRYLIC ACID (CAS NO. 79-10-7), AMMONIA (CAS NO. 7664-41-7), ETHYLENE GLYCOL (CAS NO. 107-21-1), ISOPROPYL ALCOHOL (CAS NO. 67-63-0), AND MALEIC ANHYDRIDE (CAS NO. 108-31-6).  
[RULE 1401]
4. THE VOC CONTENT OF INKS USED IN THIS EQUIPMENT SHALL NOT EXCEED 1.5 POUNDS OF VOC PER GALLON, LESS WATER AND EXEMPT COMPOUNDS.  
[RULE 1303(a)(1)-BACT]
5. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS IN DISTRICT RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY CALENDAR MONTHLY VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS IN POUNDS AND THE VOC CONTENT OF EACH MATERIAL AS APPLIED (INCLUDING WATER AND EXEMPT COMPOUNDS).  
[RULE 109, 1303(b)(2)-OFFSET]
6. 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]

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

### Emissions and Requirements:

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

VOC: RULE 109  
VOC: RULE 1130, 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: 0.1 gr/scf., RULE 409  
CO: 2000 PPMV, RULE 407  
HAP: 40CFR 63, SUBPART KK, SEE SECTION J FOR REQUIREMENTS  
NOx: 30 PPMV, RULE 1147

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

### PERMIT TO OPERATE

Permit No. F70904  
A/N 422726

#### Equipment Description:

FLEXOGRAPHIC PRINTING SYSTEM #EL11, CONSISTING OF:

1. PRESS, IN-LINE, MANZONI, 4-COLOR, 19-INCH WEB WIDTH, WITH A 5 H.P. PRESS DRIVE.
2. DRYER, 10 KW ELECTRICALLY HEATED, WITH A 3 H.P. 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. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS IN DISTRICT RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY CALENDAR MONTHLY VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS IN POUNDS AND THE VOC CONTENT OF EACH MATERIAL AS APPLIED (INCLUDING WATER AND EXEMPT COMPOUNDS).  
[RULE 109, 1303(b)(2)-OFFSET]
4. THE VOC CONTENT OF INKS USED IN THIS EQUIPMENT SHALL NOT EXCEED 1.5 POUNDS OF VOC PER GALLON, LESS WATER AND EXEMPT COMPOUNDS.  
[RULE 1303(a)(1)-BACT]
5. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY COMPOUNDS IDENTIFIED AS TOXIC AIR CONTAMINANTS IN RULE 1401 TABLE 1, WITH AN EFFECTIVE DATE OF MAY 2, 2003 OR EARLIER, WITH THE EXCEPTION OF ACRYLIC ACID (CAS NO. 79-10-7), AMMONIA (CAS NO. 7664-41-7), ETHYLENE GLYCOL (CAS NO. 107-21-1), ISOPROPYL ALCOHOL (CAS NO. 67-63-0), AND MALEIC ANHYDRIDE (CAS NO. 108-31-6).  
[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 1130, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS  
HAP: 40CFR 63, SUBPART KK, SEE SECTION J FOR REQUIREMENTS

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

### PERMIT TO OPERATE

Permit No. F70905  
A/N 422727

#### Equipment Description:

FLEXOGRAPHIC IN-LINE PRESS # EL12, MANZONI, SERIAL NO. 1080, 4-COLOR, 21.5-INCH WEB WIDTH, WITH A 5.4 H.P. PRESS DRIVE AND TWO 5 H.P. BLOWERS.

#### 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 IN DISTRICT RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY CALENDAR MONTHLY VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS IN POUNDS AND THE VOC CONTENT OF EACH MATERIAL AS APPLIED (INCLUDING WATER AND EXEMPT COMPOUNDS).  
[RULE 109, 1303(b)(2)-OFFSET]
4. THE VOC CONTENT OF INKS USED IN THIS EQUIPMENT SHALL NOT EXCEED 1.5 POUNDS OF VOC PER GALLON, LESS WATER AND EXEMPT COMPOUNDS.  
[RULE 1303(a)(1)-BACT]
5. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY COMPOUNDS IDENTIFIED AS TOXIC AIR CONTAMINANTS IN RULE 1401 TABLE 1, WITH AN EFFECTIVE DATE OF MAY 2, 2003 OR EARLIER, WITH THE EXCEPTION OF ACRYLIC ACID (CAS NO. 79-10-7), AMMONIA (CAS NO. 7664-41-7), ETHYLENE GLYCOL (CAS NO. 107-21-1), ISOPROPYL ALCOHOL (CAS NO. 67-63-0), AND MALEIC ANHYDRIDE (CAS NO. 108-31-6).  
[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 1130, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS  
HAP: 40CFR 63, SUBPART KK, SEE SECTION J FOR REQUIREMENTS

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

### PERMIT TO OPERATE

Permit No. F70906  
A/N 422728

#### Equipment Description:

FLEXOGRAPHIC IN-LINE PRESS #EL2, WOLVERINE, 2-COLOR, 54-INCH WEB WIDTH, WITH A 3 H.P. PRESS DRIVE.

#### 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 IN DISTRICT RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY CALENDAR MONTHLY VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS IN POUNDS AND THE VOC CONTENT OF EACH MATERIAL AS APPLIED (INCLUDING WATER AND EXEMPT COMPOUNDS).  
[RULE 109, 1303(b)(2)-OFFSET]
4. THE VOC CONTENT OF INKS USED IN THIS EQUIPMENT SHALL NOT EXCEED 1.5 POUNDS OF VOC PER GALLON, LESS WATER AND EXEMPT COMPOUNDS.  
[RULE 1303(a)(1)-BACT]
5. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY COMPOUNDS IDENTIFIED AS TOXIC AIR CONTAMINANTS IN RULE 1401 TABLE 1, WITH AN EFFECTIVE DATE OF MAY 2, 2003 OR EARLIER, WITH THE EXCEPTION OF ACRYLIC ACID (CAS NO. 79-10-7), AMMONIA (CAS NO. 7664-41-7), ETHYLENE GLYCOL (CAS NO. 107-21-1), ISOPROPYL ALCOHOL (CAS NO. 67-63-0), AND MALEIC ANHYDRIDE (CAS NO. 108-31-6).  
[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 1130, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS  
HAP: 40CFR 63, SUBPART KK, SEE SECTION J FOR REQUIREMENTS

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

### PERMIT TO OPERATE

**Permit No. F70908**  
**A/N 422732**

#### **Equipment Description:**

FLEXOGRAPHIC PRINTING SYSTEM NO. 7 CONSISTING OF:

1. PRESS NO. 7, WINDMOELLER & HOELSCHER OLYMPIA, MODEL 64" ASTRAFLEX, SERIAL NO. 41882, 8-COLOR, 64-INCH WEB WIDTH, WITH A 45 H.P. PRESS DRIVE.
2. DRYER, TWO BURNERS EACH RATED AT 341,300 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. THE EQUIPMENT SHALL NOT USE MORE THAN 10,000 CUBIC FEET OF NATURAL GAS IN ANY ONE DAY.  
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
4. A NON-RESETTABLE TOTALIZING FUEL METER SHALL BE INSTALLED AND MAINTAINED TO VERIFY COMPLIANCE WITH CONDITION NO. 3.  
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
5. THE OPERATOR SHALL MAINTAIN A FUEL USAGE LOG TO DEMONSTRATE COMPLIANCE WITH CONDITION NO. 3. THE LOG SHALL INCLUDE, AT A MINIMUM, THE DATE THE OVEN IS OPERATED, THE METER READINGS AT THE BEGINNING AND AT THE END OF OPERATION, AND THE DAILY FUEL USAGE.  
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
6. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AIR POLLUTION CONTROL EQUIPMENT THAT IS IN FULL USE AND HAS A VALID OPERATING PERMIT FROM THE DISTRICT.  
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
7. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS IN DISTRICT RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY CALENDAR MONTHLY VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS IN POUNDS AND THE VOC CONTENT OF EACH MATERIAL AS APPLIED (INCLUDING WATER AND EXEMPT COMPOUNDS).  
[RULE 109, 1303(b)(2)-OFFSET]

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

8. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY COMPOUNDS IDENTIFIED AS TOXIC AIR CONTAMINANTS IN RULE 1401 TABLE 1, WITH AN EFFECTIVE DATE OF MAY 2, 2003 OR EARLIER, WITH THE EXCEPTION OF ISOPROPYL ALCOHOL (CAS NO. 67-63-0).  
[RULE 1401]
9. 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]

### **Emissions and Requirements:**

10. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
VOC: RULE 109  
VOC: RULE 1130, 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: 0.1 gr/scf, RULE 409  
CO: 2000 PPMV, RULE 407  
HAP: 40CFR 63, SUBPART KK, SEE SECTION J FOR REQUIREMENTS  
NO<sub>x</sub>: 30 PPMV, RULE 1147

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

### PERMIT TO OPERATE

**Permit No. F70909**  
**A/N 422733**

#### **Equipment Description:**

FLEXOGRAPHIC PRINTING SYSTEM NO. 8 CONSISTING OF:

1. PRESS NO. 8, WINDMOELLER & HOELSCHER, MODEL 41" NOVOFLEX, SERIAL NO. KOM-41846, 8-COLOR, 41-INCH WEB WIDTH, WITH A 10 H.P. PRESS DRIVE.
2. DRYER, TWO BURNERS EACH RATED AT 295,000 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. THE EQUIPMENT SHALL NOT USE MORE THAN 10,000 CUBIC FEET OF NATURAL GAS IN ANY ONE DAY.  
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
4. A NON-RESETTABLE TOTALIZING FUEL METER SHALL BE INSTALLED AND MAINTAINED TO VERIFY COMPLIANCE WITH CONDITION NO. 3.  
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
5. THE OPERATOR SHALL MAINTAIN A FUEL USAGE LOG TO DEMONSTRATE COMPLIANCE WITH CONDITION NO. 3. THE LOG SHALL INCLUDE, AT A MINIMUM, THE DATE THE OVEN IS OPERATED, THE METER READINGS AT THE BEGINNING AND AT THE END OF OPERATION, AND THE DAILY FUEL USAGE.  
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
6. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AIR POLLUTION CONTROL EQUIPMENT THAT IS IN FULL USE AND HAS A VALID OPERATING PERMIT FROM THE DISTRICT.  
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
7. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS IN DISTRICT RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY CALENDAR MONTHLY VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS IN POUNDS AND THE VOC CONTENT OF EACH MATERIAL AS APPLIED (INCLUDING WATER AND EXEMPT COMPOUNDS).  
[RULE 109, 1303(b)(2)-OFFSET]

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

8. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY COMPOUNDS IDENTIFIED AS TOXIC AIR CONTAMINANTS IN RULE 1401 TABLE 1, WITH AN EFFECTIVE DATE OF MAY 2, 2003 OR EARLIER, WITH THE EXCEPTION OF ISOPROPYL ALCOHOL (CAS NO. 67-63-0).  
[RULE 1401]
9. 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]

### **Emissions and Requirements:**

10. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
VOC: RULE 109  
VOC: RULE 1130, 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: 0.1 gr/scf, RULE 409  
CO: 2000 PPMV, RULE 407  
HAP: 40CFR 63, SUBPART KK, SEE SECTION J FOR REQUIREMENTS  
NO<sub>x</sub>: 30 PPMV, RULE 1147

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

### PERMIT TO OPERATE

Permit No. F70910  
A/N 422735

#### Equipment Description:

FLEXOGRAPHIC PRINTING SYSTEM NO. 9 CONSISTING OF:

1. PRESS NO. 9, WINDMOELLER & HOELSCHER, MODEL 52" ASTRAFLEX 8, SERIAL NO. KOM-42393, 8-COLOR, 52-INCH WEB WIDTH, WITH A 280 H.P. PRESS DRIVE.
2. DRYER, TWO BURNERS EACH RATED AT 550,000 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. THE EQUIPMENT SHALL NOT USE MORE THAN 10,000 CUBIC FEET OF NATURAL GAS IN ANY ONE DAY.  
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
4. A NON-RESETTABLE TOTALIZING FUEL METER SHALL BE INSTALLED AND MAINTAINED TO VERIFY COMPLIANCE WITH CONDITION NO. 3.  
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
5. THE OPERATOR SHALL MAINTAIN A FUEL USAGE LOG TO DEMONSTRATE COMPLIANCE WITH CONDITION NO. 3. THE LOG SHALL INCLUDE, AT A MINIMUM, THE DATE THE OVEN IS OPERATED, THE METER READINGS AT THE BEGINNING AND AT THE END OF OPERATION, AND THE DAILY FUEL USAGE.  
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
6. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AIR POLLUTION CONTROL EQUIPMENT THAT IS IN FULL USE AND HAS A VALID OPERATING PERMIT FROM THE DISTRICT.  
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
7. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS IN DISTRICT RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY CALENDAR MONTHLY VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS IN POUNDS AND THE VOC CONTENT OF EACH MATERIAL AS APPLIED (INCLUDING WATER AND EXEMPT COMPOUNDS).  
[RULE 109, 1303(b)(2)-OFFSET]

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

8. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY COMPOUNDS IDENTIFIED AS TOXIC AIR CONTAMINANTS IN RULE 1401 TABLE 1, WITH AN EFFECTIVE DATE OF MAY 2, 2003 OR EARLIER, WITH THE EXCEPTION OF ISOPROPYL ALCOHOL (CAS NO. 67-63-0).  
[RULE 1401]
9. 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]

### **Emissions and Requirements:**

10. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
VOC: RULE 109  
VOC: RULE 1130, 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: 0.1 gr/scf, RULE 409  
CO: 2000 PPMV, RULE 407  
HAP: 40CFR 63, SUBPART KK, SEE SECTION J FOR REQUIREMENTS  
NO<sub>x</sub>: 30 PPMV, RULE 1147

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

### PERMIT TO OPERATE

**Permit No. F70911**  
**A/N 422737**

#### **Equipment Description:**

FLEXOGRAPHIC PRINTING SYSTEM NO. 10 CONSISTING OF:

1. PRESS NO. 10, WINDMOELLER & HOELSCHER, MODEL ASTRAFLEX 8, SERIAL NO. 42.915, 10-COLOR, 64-INCH WEB WIDTH, WITH A 280 H.P. PRESS DRIVE.
2. DRYER, TWO BURNERS EACH RATED AT 1,006,000 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. THE EQUIPMENT SHALL NOT USE MORE THAN 10,000 CUBIC FEET OF NATURAL GAS IN ANY ONE DAY.  
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
4. A NON-RESETTABLE TOTALIZING FUEL METER SHALL BE INSTALLED AND MAINTAINED TO VERIFY COMPLIANCE WITH CONDITION NO. 3.  
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
5. THE OPERATOR SHALL MAINTAIN A FUEL USAGE LOG TO DEMONSTRATE COMPLIANCE WITH CONDITION NO. 3. THE LOG SHALL INCLUDE, AT A MINIMUM, THE DATE THE OVEN IS OPERATED, THE METER READINGS AT THE BEGINNING AND AT THE END OF OPERATION, AND THE DAILY FUEL USAGE.  
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
6. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AIR POLLUTION CONTROL EQUIPMENT THAT IS IN FULL USE AND HAS A VALID OPERATING PERMIT FROM THE DISTRICT.  
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
7. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS IN DISTRICT RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY CALENDAR MONTHLY VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS IN POUNDS AND THE VOC CONTENT OF EACH MATERIAL AS APPLIED (INCLUDING WATER AND EXEMPT COMPOUNDS).  
[RULE 109, 1303(b)(2)-OFFSET]

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8. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY COMPOUNDS IDENTIFIED AS TOXIC AIR CONTAMINANTS IN RULE 1401 TABLE 1, WITH AN EFFECTIVE DATE OF MAY 2, 2003 OR EARLIER, WITH THE EXCEPTION OF ISOPROPYL ALCOHOL (CAS NO. 67-63-0).  
[RULE 1401]
9. 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]

### **Emissions and Requirements:**

10. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
VOC: RULE 109  
VOC: RULE 1130, 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: 0.1 gr/scf, RULE 409  
CO: 2000 PPMV, RULE 407  
HAP: 40CFR 63, SUBPART KK, SEE SECTION J FOR REQUIREMENTS  
NO<sub>x</sub>: 30 PPMV, RULE 1147

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

### PERMIT TO OPERATE

Permit No. G17691  
A/N 534716

#### Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. REGENERATIVE THERMAL OXIDIZER #1, REOXIDIZER, TELLKAMP SYSTEMS, MODEL NO. 10, 9'-6" W. X 23'-0" L. X 12'-8" H., WITH A 1,600,000 BTU PER HOUR NATURAL GAS FIRED START-UP BURNER, A 3 H.P. COMBUSTION AIR BLOWER, TWO HEAT EXCHANGER BEDS WITH CERAMIC SADDLES, AND A STANDBY NATURAL GAS INJECTION SYSTEM (MAXIMUM 1,600,000 BTU PER HOUR).
2. REGENERATIVE THERMAL OXIDIZER #2, REOXIDIZER, TELLKAMP SYSTEMS, MODEL NO. 15, 11'-0" W. X 20'-0" L. X 13'-6" H., WITH A 2,700,000 BTU PER HOUR NATURAL GAS FIRED START-UP BURNER, A 5 H.P. COMBUSTION AIR BLOWER, TWO HEAT EXCHANGER BEDS WITH CERAMIC SADDLES, AND A STANDBY NATURAL GAS INJECTION (MAXIMUM 5,000,000 BTU PER HOUR).
3. EXHAUST SYSTEM, CONSISTING OF:
  - A. PERMANENT TOTAL ENCLOSURE #1, 48' W. X 25' H. X 51' L., WITH A 75 H.P. EXHAUST FAN VENTING THREE FLEXOGRAPHIC PRINTING PRESSES (PRESS NOS. 7, 8 & 9).
  - B. PERMANENT TOTAL ENCLOSURE #3, WITH A 65 H.P. EXHAUST FAN VENTING ONE FLEXOGRAPHIC PRINTING PRESS (PRESS NO. 10).
  - C. ONE 20 H.P. EXHAUST FAN VENTING DRYER FOR PRINTING PRESS NO. 7.
  - D. ONE 20 H.P. EXHAUST FAN VENTING DRYER FOR PRINTING PRESS NO. 8.
  - E. ONE 20 H.P. EXHAUST FAN VENTING DRYER FOR PRINTING PRESS NO. 9.
  - F. ONE 40 H.P. EXHAUST FAN VENTING DRYER FOR PRINTING PRESS NO. 10.

#### 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]

THE OPERATOR SHALL OPERATE AND MAINTAIN THIS EQUIPMENT ACCORDING TO THE FOLLOWING REQUIREMENTS:

THE COMBUSTION CHAMBER TEMPERATURE SHALL BE MAINTAINED AT A MINIMUM OF 1,450

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DEGREES FAHRENHEIT WHENEVER THE EQUIPMENT IT SERVES IS IN OPERATION.

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.

FOR THE PURPOSE OF THIS CONDITION, A DEVIATION SHALL BE DEFINED AS WHEN A COMBUSTION CHAMBER TEMPERATURE OF LESS THAN 1,450 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.

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 1,450 DEGREES FAHRENHEIT, AND KEEP RECORDS OF THE DURATION AND CAUSE (INCLUDING UNKNOWN CAUSE, IF APPLICABLE) OF THE DEVIATION AND THE CORRECTIVE ACTION TAKEN.

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 MONITORING 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.

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.

THE OPERATOR SHALL INSPECT AND MAINTAIN ALL COMPONENTS OF THIS EQUIPMENT ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

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]

4. THIS EQUIPMENT SHALL BE MAINTAINED AND OPERATED AT A MINIMUM DESTRUCTION EFFICIENCY OF 95 % AND A MINIMUM OVERALL VOC CONTROL EFFICIENCY (COLLECTION AND DESTRUCTION) OF 95% WHEN THE BASIC EQUIPMENT IT SERVES IS IN OPERATION.  
[RULE 1303(a)(1)-BACT]

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5. THE OPERATOR SHALL MAINTAIN THE PERMANENT TOTAL ENCLOSURES (PTE) TO COMPLY WITH ALL CRITERIA SPECIFIED IN THE EPA METHOD 204.  
[RULE 1303(a)(1)-BACT]
6. 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:**

7. 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 BE CONDUCTED NO LATER THAN MAY 5, 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 AND AEROSPACE OPERATIONS, ATTN: AIR QAULITY 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:**

8. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
PM: 0.1 GR/SCF, RULE 407  
CO: 2000 PPMV, RULE 409  
NOx: 60 PPMV, RULE 1147

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

### PERMIT TO OPERATE

Permit No. F81494  
A/N 451331

#### Equipment Description:

FLEXOGRAPHIC PRINTING SYSTEM #EL10, CONSISTING OF:

1. PRESS, IN-LINE, WINDMOELLER & HOELSCHER, MODEL ALINA 800, 6-COLOR, 50-INCH WEB WIDTH, WITH A 10. H.P. PRESS DRIVE.
2. DRYER, 11 KW ELECTRICALLY HEATED, WITH A 1 H.P. 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. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS IN DISTRICT RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY CALENDAR MONTHLY VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS IN POUNDS AND THE VOC CONTENT OF EACH MATERIAL AS APPLIED (INCLUDING WATER AND EXEMPT COMPOUNDS).  
[RULE 109, 1303(b)(2)-OFFSET]
4. THE VOC CONTENT OF INKS USED IN THIS EQUIPMENT SHALL NOT EXCEED 1.5 POUNDS OF VOC PER GALLON, LESS WATER AND EXEMPT COMPOUNDS.  
[RULE 1303(a)-BACT]
5. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY COMPOUNDS IDENTIFIED AS TOXIC AIR CONTAMINANTS IN RULE 1401 TABLE 1, WITH AN EFFECTIVE DATE OF MAY 2, 2003 OR EARLIER, WITH THE EXCEPTION OF ACRYLIC ACID (CAS NO. 79-10-7), AMMONIA (CAS NO. 7664-41-7), ETHYLENE GLYCOL (CAS NO. 107-21-1), ISOPROPYL ALCOHOL (CAS NO. 67-63-0), AND MALEIC ANHYDRIDE (CAS NO. 108-31-6).  
[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 1130, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS  
HAP: 40CFR 63, SUBPART KK, SEE SECTION J FOR REQUIREMENTS

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

### PERMIT TO OPERATE

Permit No. G17690  
A/N 477957

#### Equipment Description:

FLEXOGRAPHIC PRINTING PRESS, INLINE PRESS NO. 10, FOUR-COLOR, 40-INCH WEB WIDTH, WITH ONE 10-HP. PRESS DRIVE, AIR DRY.

#### 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 IN DISTRICT RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY CALENDAR MONTHLY VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS IN POUNDS AND THE VOC CONTENT OF EACH MATERIAL AS APPLIED (INCLUDING WATER AND EXEMPT COMPOUNDS).  
[RULE 109, 1303(b)(2)-OFFSET]
4. THE VOC CONTENT OF INKS USED IN THIS EQUIPMENT SHALL NOT EXCEED 1.5 POUNDS OF VOC PER GALLON, LESS WATER AND EXEMPT COMPOUNDS.  
[RULE 1303(a)-BACT]
5. THE TOTAL QUANTITY OF VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS FROM THE USE OF ALL VOC-CONTAINING MATERIALS IN THIS EQUIPMENT SHALL NOT EXCEED 900 POUNDS IN ANY ONE CALENDAR MONTH. WITHIN 14 CALENDAR DAYS AFTER THE END OF EACH CALENDAR MONTH, THE OPERATOR SHALL TOTAL AND RECORD VOC EMISSIONS FOR THE CALENDAR MONTH FOR THE ABOVE EQUIPMENT.  
[RULE 212(C)(2)]
6. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY COMPOUNDS IDENTIFIED AS TOXIC AIR CONTAMINANTS IN RULE 1401 TABLE I, WITH AN EFFECTIVE DATE OF MARCH 4, 2005 OR EARLIER, WITH THE EXCEPTION OF ACRYLIC ACID (CAS NO. 79-10-7), AMMONIA (CAS NO. 7664-41-7), ETHYLENE GLYCOL (CAS NO. 107-21-1), ISOPROPYL ALCOHOL (CAS NO. 67-63-0), AND MALEIC ANHYDRIDE (CAS NO. 108-31-6).  
[RULE 1401]

#### Emissions and Requirements:

7. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
VOC: RULE 109  
VOC: RULE 1130, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS  
HAP: 40CFR 63, SUBPART KK, SEE SECTION J FOR REQUIREMENTS

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

### PERMIT TO CONSTRUCT/OPERATE

Permit No. G25733  
A/N 550631

#### Equipment Description:

FLEXOGRAPHIC PRINTING PRESS, UTECO, MODEL NO. IL 612, SIX-COLOR, 54-INCH WEB WIDTH, WITH ONE 10-HP. PRESS DRIVE, AIR DRY.

#### 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 INKS USED IN THIS EQUIPMENT SHALL NOT EXCEED 1.0 POUND OF VOC PER GALLON, LESS WATER AND EXEMPT COMPOUNDS.  
[RULE 1303(a)-BACT]
4. THE TOTAL QUANTITY OF INK OR OTHER MATERIALS USED IN THIS EQUIPMENT CONTAINING EITHER ETHYL BENZENE (CAS NO. 100-41-4) OR FORMALDEHYDE (CAS NO. 50-00-0), USED IN THIS EQUIPMENT SHALL NOT EXCEED 50 POUNDS IN ANY ONE CALENDAR DAY.  
[RULE 1401]
5. THE PERCENT (%) BY WEIGHT OF ETHYL BENZENE (CAS NO. 100-41-4) OR FORMALDEHYDE (CAS NO. 50-00-0) CONTAINED IN ANY INKS OR OTHER MATERIALS USED IN THIS EQUIPMENT SHALL NOT EXCEED 0.2%.  
[RULE 1401]
6. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY COMPOUNDS IDENTIFIED AS TOXIC AIR CONTAMINANTS IN RULE 1401 TABLE I, WITH AN EFFECTIVE DATE OF SEPTEMBER 10, 2010, OR EARLIER, WITH THE EXCEPTION OF AMMONIA (CAS NO. 7664-41-7), HEXANE (CAS NO. 110-54-3), ETHYLENE GLYCOL MONOBUTYL ETHER (CAS NO. 111-76-2), METHANOL (CAS NO. 67-56-1), PROPYLENE OXIDE (CAS NO. 75-56-9), AND ETHYL BENZENE (CAS NO. 100-41-4) AND FORMALDEHYDE (CAS NO. 50-00-0), AS SPECIFIED IN CONDITION NO. 8.  
[RULE 1401]

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

7. THE TOTAL QUANTITY OF VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS FROM THE USE OF ALL VOC-CONTAINING MATERIALS IN THIS EQUIPMENT SHALL NOT EXCEED 900 POUNDS IN ANY ONE CALENDAR MONTH. WITHIN 14 CALENDAR DAYS AFTER THE END OF EACH CALENDAR MONTH, THE OPERATOR SHALL TOTAL AND RECORD VOC EMISSIONS FOR THE CALENDAR MONTH FOR THIS EQUIPMENT.  
[RULE 212(C)(2)]
  
8. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS IN DISTRICT RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY CALENDAR MONTHLY VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS IN POUNDS AND THE VOC CONTENT OF EACH MATERIAL AS APPLIED (INCLUDING WATER AND EXEMPT COMPOUNDS).  
[RULE 109, 1303(b)(2)-OFFSET]

### **Emissions and Requirements:**

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
VOC: RULE 109  
VOC: RULE 1130, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS  
HAP: 40CFR 63, SUBPART KK, SEE SECTION J FOR REQUIREMENTS

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

### PERMIT TO CONSTRUCT

A/N 560822  
Granted as of  
\_\_\_\_\_, 2014

#### Equipment Description:

MODIFICATION TO THE AIR POLLUTION CONTROL SYSTEM UNDER P/O G17691 (A/N 534716)  
CONSISTING OF:

1. REGENERATIVE THERMAL OXIDIZER #1, REOXIDIZER, TELLKAMP SYSTEMS, MODEL NO. 10, 9'-6" W. X 23'-0" L. X 12'-8" H., WITH A 1,600,000 BTU PER HOUR NATURAL GAS FIRED START-UP BURNER, A 3 HP. COMBUSTION AIR BLOWER, TWO HEAT EXCHANGER BEDS WITH CERAMIC SADDLES, AND A STANDBY NATURAL GAS INJECTION SYSTEM (MAXIMUM 2,400,000 BTU PER HOUR).
2. REGENERATIVE THERMAL OXIDIZER #2, REOXIDIZER, TELLKAMP SYSTEMS, MODEL NO. 15, 11'-0" W. X 20'-0" L. X 13'-6" H., WITH A 2,700,000 BTU PER HOUR NATURAL GAS FIRED START-UP BURNER, A 5 HP. COMBUSTION AIR BLOWER, TWO HEAT EXCHANGER BEDS WITH CERAMIC SADDLES, AND A STANDBY NATURAL GAS INJECTION (MAXIMUM 5,000,000 BTU PER HOUR).
3. EXHAUST SYSTEM, CONSISTING OF:
  - A. PERMANENT TOTAL ENCLOSURE #1, 48' W. X 25' H. X 51' L., WITH A 75 HP. EXHAUST FAN VENTING THREE FLEXOGRAPHIC PRINTING PRESSES (PRESS NOS. 7, 8 AND 9).
  - B. PERMANENT TOTAL ENCLOSURE #3, WITH A 65 HP. EXHAUST FAN VENTING ONE FLEXOGRAPHIC PRINTING PRESS (PRESS NO. 10).
  - C. ONE 20 HP. EXHAUST FAN VENTING DRYER FOR PRINTING PRESS NO. 7.
  - D. ONE 20 HP. EXHAUST FAN VENTING DRYER FOR PRINTING PRESS NO. 8.
  - E. ONE 20 HP. EXHAUST FAN VENTING DRYER FOR PRINTING PRESS NO. 9.
  - F. ONE 40 HP. EXHAUST FAN VENTING DRYER FOR PRINTING PRESS NO. 10.

BY THE REPLACEMENT OF:

1. THE 1,600,000 START-UP BURNER IN RTO #1 WITH A 2,400,000 BTU/HR, MAXON, KINEDIZER LE, LOW-NO<sub>x</sub> BURNER.
2. THE 2,700,000 START-UP BURNER IN RTO #2 WITH A 2,400,000 BTU/HR, MAXON, KINEDIZER LE, LOW-NO<sub>x</sub> BURNER.

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

### 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 OPERATOR SHALL OPERATE AND MAINTAIN THIS EQUIPMENT ACCORDING TO THE FOLLOWING REQUIREMENTS:

THE COMBUSTION CHAMBER TEMPERATURE SHALL BE MAINTAINED AT A MINIMUM OF 1,450 DEGREES FAHRENHEIT WHENEVER THE EQUIPMENT IT SERVES IS IN OPERATION.

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.

FOR THE PURPOSE OF THIS CONDITION, A DEVIATION SHALL BE DEFINED AS WHEN A COMBUSTION CHAMBER TEMPERATURE OF LESS THAN 1,450 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.

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 1,450 DEGREES FAHRENHEIT, AND KEEP RECORDS OF THE DURATION AND CAUSE (INCLUDING UNKNOWN CAUSE, IF APPLICABLE) OF THE DEVIATION AND THE CORRECTIVE ACTION TAKEN.

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 MONITORING 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.

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.

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

THE OPERATOR SHALL INSPECT AND MAINTAIN ALL COMPONENTS OF THIS EQUIPMENT ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

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]

4. THIS EQUIPMENT SHALL BE MAINTAINED AND OPERATED AT A MINIMUM DESTRUCTION EFFICIENCY OF 95% AND A MINIMUM OVERALL VOC CONTROL EFFICIENCY (COLLECTION AND DESTRUCTION) OF 95% WHEN THE BASIC EQUIPMENT IT SERVES IS IN OPERATION. [RULE 1130, 1303(a)(1)-BACT]
5. THE OPERATOR SHALL MAINTAIN THE PERMANENT TOTAL ENCLOSURES (PTE) TO COMPLY WITH ALL CRITERIA SPECIFIED IN THE EPA METHOD 204. [RULE 1130, 1303(a)(1)-BACT]
6. OXIDES OF NITROGEN (NO<sub>x</sub>) EMISSIONS DISCHARGED FROM RTO #1 AND RTO #2 SHALL NOT EXCEED 60 PPM, CALCULATED AS NO<sub>2</sub> BY VOLUME ON A DRY BASIS @ 3% OXYGEN, AVERAGED OVER 30 CONSECUTIVE MINUTES. [RULE 1147]
7. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT A SOURCE TEST TO VERIFY COMPLIANCE WITH RULE 1147 UNDER THE FOLLOWING CONDITIONS:
  - A. THE TESTS SHALL BE CONDUCTED WITHIN 45 DAYS AFTER DISTRICT APPROVAL OF THE SOURCE TEST PROTOCOL.
  - B. THE TESTS SHALL MEASURE NO<sub>x</sub>, CO, OXYGEN CONTENT, MOISTURE CONTENT, TEMPERATURE, AND THE EXHAUST FLOW RATE AT THE OUTLET OF RTO #1 AND RTO #2, WHEN THE NEW START-UP BURNERS ARE OPERATING, USING THE APPROPRIATE TEST METHODS SPECIFIED IN RULE 1147. THE REPORT SHALL PRESENT THE EMISSION DATA IN POUNDS PER HOUR, AND PARTS PER MILLION ON A DRY BASIS CORRECTED TO 3% OXYGEN.
  - C. IN CASE THIS EQUIPMENT OPERATES WITH VARIABLE HEAT INPUT THAT MAY FALL BELOW 50% OF THE RATED HEAT INPUT CAPACITY DURING NORMAL OPERATION, A TEST SHALL ALSO BE CONDUCTED AS SPECIFIED IN SECTION B OF THIS CONDITION ABOVE, BUT USING A HEAT INPUT OF LESS THAN 25% OF THE RATED HEAT INPUT OF THIS EQUIPMENT, PURSUANT TO RULE 1147(d)(1).
  - D. A WRITTEN NOTICE OF THE SOURCE TEST DATE SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, ATTN: JEANNE PANDES VILLACORTE, ENGINEERING & COMPLIANCE, 21865 COPLEY DRIVE, DIAMOND BAR, CA 91765) AT LEAST 14 DAYS PRIOR TO THE SOURCE TEST DATE SO THAT AN OBSERVER FROM THE DISTRICT MAY BE PRESENT.
  - E. A TESTING LABORATORY CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD IN THE REQUIRED TEST METHODS FOR CRITERIA POLLUTANTS TO BE MEASURED, AND IN

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST) SHALL CONDUCT THE TEST.

[RULE 1147]

8. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES PURSUANT TO RULE 217.  
[RULE 1147]
9. A SOURCE TEST PROTOCOL SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, ATTN: JEANNE PANDES VILLACORTE, ENGINEERING & COMPLIANCE, 21865 COPLEY DRIVE, DIAMOND BAR, CA 91765) NO LATER THAN 30 DAYS FROM THE DATE THIS PERMIT IS ISSUED, 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, 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.  
[RULE 1147]
10. TWO COMPLETE COPIES OF THE SOURCE TEST REPORTS SHALL BE SUBMITTED TO THE DISTRICT WITHIN 30 DAYS AFTER THE SOURCE TESTING DATE. THE SOURCE TEST REPORT SHALL INCLUDE, BUT NOT BE LIMITED TO, ALL TESTING DATA REQUIRED BY THIS PERMIT.  
[RULE 1147]
11. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL SUBMIT THE RESULTS OF ALL PRELIMINARY TESTS THAT ARE CONDUCTED ON THIS EQUIPMENT FOR INFORMATIONAL PURPOSES TO THE DISTRICT WITHIN 45 DAYS AFTER THE TESTING DATE UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT.  
[RULE 1147]

### **Periodic Monitoring:**

12. 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 BE CONDUCTED NO LATER THAN MAY 5, 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

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

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 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:**

13. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
PM: 0.1 GR/SCF, RULE 409  
CO: 2000 PPMV, RULE 407  
NOx: 60 PPMV, RULE 1147

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

### PERMIT TO CONSTRUCT

A/N 563674  
Granted as of  
\_\_\_\_\_, 2014

#### Equipment Description:

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. REGENERATIVE THERMAL OXIDIZER #3, TELLKAMP SYSTEMS, MODEL NO. 30 ROXIDIZER, 11'-0" W. X 30'-0" L. X 13'-1" H., WITH ONE MAXON, KINEDIZER LE, NATURAL GAS-FIRED, 2,400,000 BTU PER HOUR START-UP BURNER, TWO HEAT EXCHANGER BEDS WITH CERAMIC SADDLES, A STANDBY NATURAL GAS INJECTION SYSTEM, AND ONE 5 HP. COMBUSTION AIR BLOWER.
2. EXHAUST SYSTEM WITH PERMANENT TOTAL ENCLOSURE #4, 48' W. X 70' L. X 30' H., AND A 12.5-HP. EXHAUST FAN, VENTING ONE HEAT-SET FLEXOGRAPHIC PRINTING PRESS (PRESS NO. 11).

#### 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 OPERATOR SHALL OPERATE AND MAINTAIN THIS EQUIPMENT ACCORDING TO THE FOLLOWING REQUIREMENTS:

THE COMBUSTION CHAMBER TEMPERATURE SHALL BE MAINTAINED AT A MINIMUM OF 1,450 DEGREES FAHRENHEIT WHENEVER THE EQUIPMENT IT SERVES IS IN OPERATION.

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.

FOR THE PURPOSE OF THIS CONDITION, A DEVIATION SHALL BE DEFINED AS WHEN A COMBUSTION CHAMBER TEMPERATURE OF LESS THAN 1,450 DEGREES FAHRENHEIT OCCURS

## **FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC**

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.

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 1,450 DEGREES FAHRENHEIT, AND KEEP RECORDS OF THE DURATION AND CAUSE (INCLUDING UNKNOWN CAUSE, IF APPLICABLE) OF THE DEVIATION AND THE CORRECTIVE ACTION TAKEN.

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 MONITORING 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.

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.

THE OPERATOR SHALL INSPECT AND MAINTAIN ALL COMPONENTS OF THIS EQUIPMENT ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

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]

4. THIS EQUIPMENT SHALL BE MAINTAINED AND OPERATED AT A MINIMUM DESTRUCTION EFFICIENCY OF 95% AND A MINIMUM OVERALL VOC CONTROL EFFICIENCY (COLLECTION AND DESTRUCTION) OF 95% WHEN THE BASIC EQUIPMENT IT SERVES IS IN OPERATION.  
[RULE 1130, 1303(a)(1)-BACT]
5. THE OPERATOR SHALL MAINTAIN THE PERMANENT TOTAL ENCLOSURE (PTE) TO COMPLY WITH ALL CRITERIA SPECIFIED IN THE EPA METHOD 204.  
[RULE 1130, 1303(a)(1)-BACT]
6. OXIDES OF NITROGEN (NO<sub>x</sub>) EMISSIONS DISCHARGED FROM RTO #3 SHALL NOT EXCEED 30 PPM, CALCULATED AS NO<sub>2</sub> BY VOLUME ON A DRY BASIS @ 3% OXYGEN, AVERAGED OVER 30 CONSECUTIVE MINUTES.  
[RULE 1303(a)(1)-BACT]

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

7. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT A SOURCE TEST TO VERIFY COMPLIANCE WITH RULES 1130, 1147, 1171 AND ALL OTHER APPLICABLE RULES AND REGULATIONS UNDER THE FOLLOWING CONDITIONS.
- A. THE TESTS SHALL BE CONDUCTED WITHIN 45 DAYS AFTER DISTRICT APPROVAL OF THE SOURCE TEST PROTOCOL.
  - B. THE TESTS SHALL MEASURE NO<sub>x</sub>, CO, OXYGEN CONTENT, MOISTURE CONTENT, TEMPERATURE, AND THE EXHAUST FLOW RATE AT THE OUTLET OF RTO #3, WHEN THE START-UP BURNER IS OPERATING AND BEFORE THE PROCESS AIR STREAM FROM THE BASIC EQUIPMENT IT SERVES IS INTRODUCED INTO THE OXIDIZER, AND USING THE APPROPRIATE TEST METHODS SPECIFIED IN RULE 1147. THE REPORT SHALL PRESENT THE EMISSION DATA IN POUNDS PER HOUR, AND PARTS PER MILLION ON A DRY BASIS CORRECTED TO 3% OXYGEN.
  - C. IN CASE THIS EQUIPMENT OPERATES WITH VARIABLE HEAT INPUT THAT MAY FALL BELOW 50% OF THE RATED HEAT INPUT CAPACITY OF THE START-UP BURNER DURING NORMAL OPERATION, A TEST SHALL ALSO BE CONDUCTED AS SPECIFIED IN SECTION B OF THIS CONDITION ABOVE, BUT USING A HEAT INPUT OF LESS THAN 25% OF THE RATED HEAT INPUT OF THIS EQUIPMENT, PURSUANT TO RULE 1147(d)(1).
  - D. THE SOURCE TESTS SHALL ALSO CONSIST OF, BUT NOT BE LIMITED TO, TESTING DURING NORMAL OPERATION AT THE INLET AND THE OUTLET OF RTO #3 FOR VOC IN PPMV AND LBS/HR, NO<sub>x</sub> AND CO EMISSIONS IN PPMV @ 3% O<sub>2</sub> AND LBS/HR (OXIDIZER EXHAUST ONLY), VOC COLLECTION EFFICIENCY, VOC DESTRUCTION EFFICIENCY FOR DIFFERENT OPERATIONS TO SHOW COMPLIANCE WITH PERMIT CONDITIONS, OXYGEN CONTENT, MOISTURE CONTENT, FLOW RATE AND TEMPERATURE (INLET AND OUTLET OF RTO #3).
  - E. IN ADDITION, THE USAGE OF ALL VOC-CONTAINING MATERIALS (INKS, COATINGS, SOLVENTS, ETC.), FLOW RATES(S) IN ACFM AND SCFM, AND OPERATING TEMPERATURE IN THE COMBUSTION CHAMBER SHALL BE RECORDED DURING THE TEST.
  - F. THE SOURCE TEST SHALL BE CONDUCTED WHILE THE OXIDIZER IS OPERATING DURING NORMAL OPERATION AT A TEMPERATURE OF NOT LESS THAN THE MINIMUM TEMPERATURE SPECIFIED IN THIS PERMIT. THE OPERATING TEMPERATURE IN THE COMBUSTION CHAMBER SHALL BE RECORDED DURING THE ENTIRE TESTING PERIOD AND INCLUDED IN THE SOURCE TEST REPORT. IF THE OPERATING TEMPERATURE DURING THE SOURCE TEST IS GREATER THAN THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THE PERMIT, THEN 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.
  - G. A WRITTEN NOTICE OF THE SOURCE TEST DATE SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, ATTN: JEANNE PANDES VILLACORTE, ENGINEERING & COMPLIANCE, 21865 COPLEY DRIVE, DIAMOND BAR, CA 91765) AT LEAST 14 DAYS PRIOR TO THE SOURCE TEST DATE SO THAT AN OBSERVER FROM THE DISTRICT MAY BE PRESENT.

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

- H. 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.  
[RULE 1130, 1147, 1171, RULE 1303(a)(1)-BACT, RULE 1303(a)(2)-OFFSETS]
8. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES PURSUANT TO RULE 217.  
[RULE 1147, RULE 1303(a)]
9. A SOURCE TEST PROTOCOL SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, ATTN: JEANNE PANDES VILLACORTE, ENGINEERING & COMPLIANCE, 21865 COPLEY DRIVE, DIAMOND BAR, CA 91765) NO LATER THAN 60 DAYS FROM THE DATE THIS PERMIT IS ISSUED, 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, 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.  
[RULE 1147, RULE 1303(a)]
10. TWO COMPLETE COPIES OF THE SOURCE TEST REPORT SHALL BE SUBMITTED TO THE DISTRICT WITHIN 30 DAYS AFTER THE SOURCE TESTING DATE. THE SOURCE TEST REPORT SHALL INCLUDE, BUT NOT BE LIMITED TO, ALL TESTING DATA REQUIRED BY THIS PERMIT.  
[RULE 1147, RULE 1303(a)]
11. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL SUBMIT THE RESULTS OF ALL PRELIMINARY TESTS THAT ARE CONDUCTED ON THIS EQUIPMENT FOR INFORMATIONAL PURPOSES TO THE DISTRICT WITHIN 45 DAYS AFTER THE TESTING DATE UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT.  
[RULE 1147, RULE 1303(a)]

### **Periodic Monitoring:**

12. 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 BE CONDUCTED NO LATER THAN MAY 5, 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

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

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 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:**

13. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
PM: 0.1 GR/SCF, RULE 409  
CO: 2000 PPMV, RULE 407  
NOx: 60 PPMV, RULE 1147

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

### PERMIT TO CONSTRUCT

A/N 563675  
Granted as of  
\_\_\_\_\_, 2014

#### Equipment Description:

FLEXOGRAPHIC PRINTING SYSTEM NO. 11 CONSISTING OF:

1. PRESS NO. 11, FISCHER & KRECKE, MODEL FLEXPRESS 36S, SERIAL NO. 3126/58296, 10-COLOR, 77-INCH WEB WIDTH.
2. DRYER, WITH TWO MAXON, OVENPAK LE, LOW-NOX NATURAL GAS-FIRED BURNERS, 7,000,000 BTU PER HOUR TOTAL, 3,500,000 BTU PER HOUR EACH.
3. IN PERMANENT TOTAL ENCLOSURE #4.

#### 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 THAT IS IN FULL USE AND HAS A VALID OPERATING PERMIT FROM THE DISTRICT.  
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
4. THE TOTAL QUANTITY OF VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS FROM THE USE OF ALL VOC-CONTAINING MATERIALS IN THIS EQUIPMENT SHALL NOT EXCEED 900 POUNDS IN ANY ONE CALENDAR MONTH. WITHIN 14 CALENDAR DAYS AFTER THE END OF EACH CALENDAR MONTH, THE OPERATOR SHALL TOTAL AND RECORD VOC EMISSIONS FOR THE CALENDAR MONTH FOR THE ABOVE EQUIPMENT. THE VOC EMISSIONS SHALL BE CALCULATED USING THE REQUIRED OVERALL CONTROL EFFICIENCY SPECIFIED IN THE PERMIT FOR THE APC SYSTEM.  
[RULE 212(C)(2)]

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

5. IN ADDITION TO THE RECORDKEEPING REQUIREMENTS IN DISTRICT RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY CALENDAR MONTHLY VOC EMISSIONS IN POUNDS AND THE VOC CONTENT OF EACH MATERIAL AS APPLIED (INCLUDING WATER AND EXEMPT COMPOUNDS).  
[RULE 109, 1303(b)(2)-OFFSET]
6. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY COMPOUNDS IDENTIFIED AS TOXIC AIR CONTAMINANTS IN RULE 1401 TABLE 1, WITH AN EFFECTIVE DATE OF SEPTEMBER 10, 2010 OR EARLIER, WITH THE EXCEPTION OF ISOPROPYL ALCOHOL (CAS NO. 67-63-0).  
[RULE 1401]
7. THE OXIDES OF NITROGEN (NOX) EMISSIONS DISCHARGED FROM THIS EQUIPMENT SHALL NOT EXCEED 30 PPM, CALCULATED AS NO<sub>2</sub> BY VOLUME ON A DRY BASIS @ 3% OXYGEN, AVERAGED OVER 30 CONSECUTIVE MINUTES.  
[RULE 1147, 1303(a)(1)-BACT]
8. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT A SOURCE TEST TO VERIFY COMPLIANCE WITH RULE 1147 UNDER THE FOLLOWING CONDITIONS:
  - A. THE TESTS SHALL BE CONDUCTED WITHIN 45 DAYS AFTER DISTRICT APPROVAL OF THE SOURCE TEST PROTOCOL.
  - B. THE TESTS SHALL MEASURE NO<sub>x</sub>, CO, OXYGEN CONTENT, MOISTURE CONTENT, TEMPERATURE, AND THE EXHAUST FLOW RATE AT THE OUTLET OF THIS EQUIPMENT, AT THE NORMAL OPERATING LOAD, USING THE APPROPRIATE TEST METHODS SPECIFIED IN RULE 1147. THE REPORT SHALL PRESENT THE EMISSION DATA IN POUNDS PER HOUR, AND PARTS PER MILLION ON A DRY BASIS CORRECTED TO 3% OXYGEN.
  - C. IN CASE THIS EQUIPMENT OPERATES WITH VARIABLE HEAT INPUT THAT MAY FALL BELOW 50% OF THE RATED HEAT INPUT CAPACITY DURING NORMAL OPERATION, A TEST SHALL ALSO BE CONDUCTED AS SPECIFIED IN SECTION B OF THIS CONDITION ABOVE, BUT USING A HEAT INPUT OF LESS THAN 25% OF THE RATED HEAT INPUT OF THIS EQUIPMENT, PURSUANT TO RULE 1147(d)(1).
  - D. A WRITTEN NOTICE OF THE SOURCE TEST DATE SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, ATTN: JEANNE PANDES VILLACORTE, ENGINEERING & COMPLIANCE, 21865 COPLEY DRIVE, DIAMOND BAR, CA 91765) AT LEAST 14 DAYS PRIOR TO THE SOURCE TEST DATE SO THAT AN OBSERVER FROM THE DISTRICT MAY BE PRESENT.
  - E. 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.  
[RULE 1147]

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

9. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES PURSUANT TO RULE 217.  
[RULE 1147]
10. A SOURCE TEST PROTOCOL SHALL BE SUBMITTED TO THE DISTRICT (ADDRESSED TO SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, ATTN: JEANNE PANDES VILLACORTE, ENGINEERING & COMPLIANCE, 21865 COPLEY DRIVE, DIAMOND BAR, CA 91765) NO LATER THAN 30 DAYS FROM THE DATE THIS PERMIT IS ISSUED, 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, 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.  
[RULE 1147]
11. TWO COMPLETE COPIES OF THE SOURCE TEST REPORTS SHALL BE SUBMITTED TO THE DISTRICT WITHIN 30 DAYS AFTER THE SOURCE TESTING DATE. THE SOURCE TEST REPORT SHALL INCLUDE, BUT NOT BE LIMITED TO, ALL TESTING DATA REQUIRED BY THIS PERMIT.  
[RULE 1147]
12. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL SUBMIT THE RESULTS OF ALL PRELIMINARY TESTS THAT ARE CONDUCTED ON THIS EQUIPMENT FOR INFORMATIONAL PURPOSES TO THE DISTRICT WITHIN 45 DAYS AFTER THE TESTING DATE UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT.  
[RULE 1147]

### **Emissions and Requirements:**

13. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
VOC: RULE 109  
VOC: RULE 1130, 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: 0.1 gr/scf, RULE 409  
CO: 2000 PPMV, RULE 407  
HAP: 40CFR 63, SUBPART KK, SEE SECTION J FOR REQUIREMENTS  
NOx: 30 PPMV, RULE 1147

## FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC

### RULE 219 EQUIPMENT

#### Equipment Description:

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

#### Periodic Monitoring:

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

FOR ARCHITECTURAL APPLICATIONS WHERE NO THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN SEMI-ANNUAL RECORDS OF ALL COATINGS CONSISTING OF (a) COATING TYPE, (b) VOC CONTENT AS SUPPLIED IN GRAMS PER LITER (g/l) OF MATERIALS FOR LOW-SOLIDS COATINGS, (c) VOC CONTENT AS SUPPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER 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, (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:

1. 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 MERCURY PLASTICS INC**

### **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 REGULATIONS:

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 109

## **FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC**

### **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 1171, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 109

## **FACILITY PERMIT TO OPERATE MERCURY PLASTICS INC**

### **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:	40 CFR 82 SUBPART F