

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

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 QUEBECOR WORLD GREAT WESTERN PUBLISHING

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
500852		LITHOGRAPHIC PRINTING SYSTEM NO.1
500853		LITHOGRAPHIC PRINTING SYSTEM NO.2
401093	F68188	LITHOGRAPHIC PRINTING SYSTEM NO.3A
493465	G2239	LITHOGRAPHIC PRINTING SYSTEM NO.3B
401095	F68189	LITHOGRAPHIC PRINTING SYSTEM NO.5
401096	F68190	LITHOGRAPHIC PRINTING SYSTEM NO.6
401097	F68191	LITHOGRAPHIC PRINTING SYSTEM NO.7
410401	F68192	LITHOGRAPHIC PRINTING SYSTEM NO.4A
410995	F68193	LITHOGRAPHIC PRINTING SYSTEM NO.4B
416582	F68629	THERMAL OXIDIZER (RTO#1)
500854		LITHOGRAPHIC PRINTING SYSTEM NO.707
500855		THERMAL OXIDIZER (RTO NOS. 1 AND 2)

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 QUEBECOR WORLD GREAT WESTERN PUBLISHING

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 COMPOUNDS (VOC) EMISSIONS DISCHARGED TO THE ATMOSPHERE FROM ALL PERMITTED EQUIPMENT AND ASSOCIATED OPERATIONS AT THIS FACILITY SHALL NOT EXCEED 7800 POUNDS IN ANY CALENDAR MONTH. ASSOCIATED OPERATIONS INCLUDE, BUT NOT LIMITED TO EQUIPMENT CLEAN-UP, AND THE APPLICATION OF ANY OTHER VOC CONTAINING MATERIALS TO ARTICLES THAT ARE PROCESSED IN THE PERMITTED EQUIPMENT. FOR EQUIPMENT THAT IS VENTED TO AIR POLLUTION CONTROL (APC) SYSTEM, THE VOC EMISSIONS FROM INKS SHALL BE CALCULATED USING THE REQUIRED CONTROL EFFICIENCY SPECIFIED IN THE PERMIT FOR THE APC SYSTEM.
[RULE 1303(b)(2)-OFFSET]

3. THE TOTAL QUANTITY OF OXIDES OF NITROGEN (NO_x) EMISSIONS DISCHARGED TO THE ATMOSPHERE FROM ALL PERMITTED EQUIPMENT AND ASSOCIATED OPERATIONS AT THIS FACILITY SHALL NOT EXCEED 667 POUNDS IN ANY CALENDAR MONTH. THE NO_x EMISSIONS SHALL BE CALCULATED USING AN EMISSION FACTOR OF 38.5 LB NO_x PER 10⁶ CUBIC FEET OF NATURAL GAS (BASED ON 30 PPM @ 3 % O₂) FOR THE DRYING OVENS AND 100 LB NO_x PER 10⁶ CUBIC FEET OF NATURAL GAS (BASED ON 78 PPM @ 3% O₂) FOR THE THERMAL OXIDIZERS.
[RULE 1303(b)(2)-OFFSET]

4. 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, FOR 5 YEARS.
[RULE 1303(b)(2)-OFFSET]

5. THE OPERATOR SHALL KEEP RECORDS IN ACCORDANCE WITH THE REQUIREMENTS OF RULE 109 (RECORDKEEPING FOR VOLATILE ORGANIC COMPOUND EMISSIONS). SUCH RECORDS SHALL BE RETAINED FOR A PERIOD OF FIVE YEARS AND SHALL BE MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.
[RULE 109, 1303(b)(2)-OFFSET]

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

6. 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 COVERED BY THE MONTHLY LIMIT. THE RECORD SHALL INCLUDE ANY PROCEDURES USED TO ACCOUNT FOR CONTROL DEVICE EFFICIENCIES AND/OR WASTE DISPOSAL. IT SHALL BE SIGNED AND CERTIFIED FOR ACCURACY BY THE HIGHEST-RANKING MANAGEMENT OFFICIAL WITH RESPONSIBILITY FOR OPERATION OF EQUIPMENT SUBJECT TO THE PERMIT.
[RULE 1303(b)(2)-OFFSET]
7. THE OPERATOR SHALL MAINTAIN A SINGLE LIST WHICH 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 1303(b)(2)-OFFSET]
8. IN ADDITION TO RECORD KEEPING REQUIREMENTS IN RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS FACILITY FOR THE FOLLOWING:
 - A. DENSITY OF INKS, IN POUNDS PER GALLON.
 - B. PERCENTAGE BY WEIGHT OF LITHOGRAPHIC OILS IN EACH INK.
 - C. INK ABSORPTION FACTOR AS SPECIFIED BY CURRENT SCAQMD GUIDELINES.
 - D. VOC CONTENT OF FOUNTAIN SOLUTION, WASH MATERIALS, AND ANY OTHER MATERIALS, IN POUNDS PER GALLON, AS APPLIED, INCLUDING WATER AND PERCENT VOC BY VOLUME.
 - E. CALENDAR MONTHLY VOC EMISSIONS IN POUNDS.
 - F. OTHER DATA AS REQUIRED TO VERIFY COMPLIANCE WITH THE CONDITIONS SPECIFIED IN THIS PERMIT.

ALL RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, SHALL BE RETAINED ON THE PREMISES FOR AT LEAST FIVE YEARS, AND SHALL BE MADE AVAILABLE UPON REQUEST OF THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE.
[RULE 109, 1303(b)(2)-OFFSET]
9. MATERIAL SAFETY DATA SHEETS FOR THE MATERIALS USED AT THIS FACILITY SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303(b)(2)-OFFSET]
10. WITHIN 14 CALENDAR DAYS AFTER THE END OF EACH MONTH, THE OPERATOR SHALL TOTAL AND RECORD NO_x EMISSIONS FOR THE MONTH FROM ALL EQUIPMENT AND OPERATIONS COVERED BY THE MONTHLY LIMIT. THE RECORD SHALL BE SIGNED AND CERTIFIED FOR ACCURACY BY THE HIGHEST-RANKING MANAGEMENT OFFICIAL WITH RESPONSIBILITY FOR OPERATION OF EQUIPMENT SUBJECT TO THE PERMIT.
[RULE 1303(b)(2)-OFFSET]

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

11. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETIBLE TOTALIZING FUEL METER TO ACCURATELY INDICATE THE FUEL USAGE OF ALL DRYING OVENS IN THE FACILITY.
[RULE 1303(b)(2)-OFFSET]

12. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETIBLE TOTALIZING FUEL METER TO ACCURATELY INDICATE THE FUEL USAGE OF ALL THERMAL OXIDIZERS IN THE FACILITY.
[RULE 1303(b)(2)-OFFSET]

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

PERMIT TO CONSTRUCT

A/N 500852
Granted as of

Equipment Description:

LITHOGRAPHIC PRINTING SYSTEM NO. 1 CONSISTING OF:

1. LITHOGRAPHIC PRESS, GOSS, MODEL C-150 MAGNUM CLASS, SERIAL NO. C15-5006, 4-COLOR, 35-INCH WEB WIDTH, 100 HP TOTAL.
2. OVEN, TEC MODEL NO. 1-VC-135-40, SERIAL NO. 102125, NATURAL GAS FIRED, 7'-3" W. X 11'-3" L. X 4'-0" H., WITH A MAXON 1.6 MM BTU PER HOUR LOW NO_x BURNER, A 5 HP COMBUSTION AIR BLOWER, A 40 HP CIRCULATION FAN, AND A 5 HP EXHAUST FAN.
3. CHILL ROLL UNIT.
4. ADHESIVE APPLICATOR.

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 THE OVEN IS VENTED TO AIR POLLUTION CONTROL SYSTEM WHICH HAS BEEN ISSUED A VALID PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1)-BACT]
4. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1 WITH EFFECTIVE DATE OF MAY 3, 2002 OR EARLIER, EXCEPT ETHYLENE GLYCOL MONOBUTYL ETHER, ETHYLENE GLYCOL, AND NAPHTHALENE.
[RULE 1401]
5. THE COMPOSITE VAPOR PRESSURE OF THE VOC IN THE BLANKET WASH AND ROLLER WASHES SHALL NOT EXCEED 6 mm Hg AT 68 DEGREES FAHRENHEIT.
[RULE 1303(a)(1)-BACT]
6. THE VOC CONTENT OF THE FOUNTAIN SOLUTION USED IN THIS EQUIPMENT SHALL NOT EXCEED 8 % BY VOLUME, AS APPLIED, INCLUDING WATER AND EXEMPT SOLVENTS.
[RULE 1303(a)(1)-BACT]

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

7. THE OXIDES OF NITROGEN (NO_x) EMISSIONS DISCHARGED FROM THIS EQUIPMENT SHALL NOT EXCEED 30 PPMV, CALCULATED AS NO₂ ON A DRY BASIS AT 3 % OXYGEN AVERAGED OVER 15 CONSECUTIVE MINUTES.
[RULE 1303(a)(1)-BACT]
8. IN ADDITION TO RECORD KEEPING REQUIREMENTS IN RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT FOR THE FOLLOWING:
- A. DENSITY OF INKS, IN POUNDS PER GALLON.
 - B. PERCENTAGE BY WEIGHT OF LITHOGRAPHIC OILS IN EACH INK.
 - C. INK ABSORPTION FACTOR AS SPECIFIED BY CURRENT SCAQMD GUIDELINES.
 - D. VOC CONTENT OF FOUNTAIN SOLUTION, WASH MATERIALS, AND ANY OTHER MATERIALS, IN POUNDS PER GALLON, AS APPLIED, INCLUDING WATER AND PERCENT VOC BY VOLUME.
 - E. CALENDAR MONTHLY VOC EMISSIONS IN POUNDS.
 - F. OTHER DATA AS REQUIRED TO VERIFY COMPLIANCE WITH THE CONDITIONS SPECIFIED IN THIS PERMIT.

ALL RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, SHALL BE RETAINED ON THE PREMISES FOR AT LEAST FIVE YEARS, AND SHALL BE MADE AVAILABLE UPON REQUEST OF THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE.
[RULE 109, 1303(b)(2)-OFFSET]

9. THE TOTAL QUANTITY OF NATURAL GAS USED IN THE EQUIPMENT PERMITTED UNDER APPLICATION NUMBERS 500852, 500853 AND 500854 SHALL NOT EXCEED 4,154,250 CUBIC FEET IN ANY ONE CALENDAR MONTH.
[RULE 1303(b)(2)-OFFSET]
10. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE TOTALIZING FUEL FLOW METER TO ACCURATELY INDICATE THE FUEL USAGE OF THE EQUIPMENT.
[RULE 1303(b)(2)-OFFSET]
11. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO DEMONSTRATE COMPLIANCE WITH THE NATURAL GAS FUEL USAGE LIMIT OF CONDITION NO. 9. SUCH RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, SHALL BE RETAINED ON THE PREMISES FOR AT LEAST FIVE YEARS, AND SHALL BE MADE AVAILABLE UPON REQUEST OF THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE.
[RULE 1303(b)(2)-OFFSET]

Emissions And Requirements:

12. 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
 - NO_x: 30 PPMV, RULE 1303(a)(1)-BACT
 - CO: 2000 PPMV, RULE 407

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

PM: 0.1 GR/SCF, RULE 409
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

PERMIT TO CONSTRUCT

A/N 500853
Granted as of

Equipment Description:

LITHOGRAPHIC PRINTING SYSTEM NO. 2 CONSISTING OF:

1. LITHOGRAPHIC PRESS, GOSS, MODEL C-150 MAGNUM CLASS, SERIAL NO. C15-5009, 4-COLOR, 35-INCH WEB WIDTH, 100 HP TOTAL.
2. OVEN, TEC MODEL NO. 1-VC-135-40, SERIAL NO. 102137, NATURAL GAS FIRED, 7'-3" W. X 11'-3" L. X 4'-0" H., WITH A MAXON 1.6 MM BTU PER HOUR LOW NO_x BURNER, A 5 HP COMBUSTION AIR BLOWER, A 40 HP CIRCULATION FAN, AND A 5 HP EXHAUST FAN.
3. CHILL ROLL UNIT.
4. ADHESIVE APPLICATOR.

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 THE OVEN IS VENTED TO AIR POLLUTION CONTROL SYSTEM WHICH HAS BEEN ISSUED A VALID PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1)-BACT]
4. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1 WITH EFFECTIVE DATE OF MAY 3, 2002 OR EARLIER, EXCEPT ETHYLENE GLYCOL MONOBUTYL ETHER, ETHYLENE GLYCOL, AND NAPHTHALENE.
[RULE 1401]
5. THE COMPOSITE VAPOR PRESSURE OF THE VOC IN THE BLANKET WASH AND ROLLER WASHES SHALL NOT EXCEED 6 mm Hg AT 68 DEGREES FAHRENHEIT.
[RULE 1303(a)(1)-BACT]
6. THE VOC CONTENT OF THE FOUNTAIN SOLUTION USED IN THIS EQUIPMENT SHALL NOT EXCEED 8 % BY VOLUME, AS APPLIED, INCLUDING WATER AND EXEMPT SOLVENTS.
[RULE 1303(a)(1)-BACT]

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

7. THE OXIDES OF NITROGEN (NO_x) EMISSIONS DISCHARGED FROM THIS EQUIPMENT SHALL NOT EXCEED 30 PPMV, CALCULATED AS NO₂ ON A DRY BASIS AT 3 % OXYGEN AVERAGED OVER 15 CONSECUTIVE MINUTES.
[RULE 1303(a)(1)-BACT]
8. IN ADDITION TO RECORD KEEPING REQUIREMENTS IN RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT FOR THE FOLLOWING:
- A. DENSITY OF INKS, IN POUNDS PER GALLON.
 - B. PERCENTAGE BY WEIGHT OF LITHOGRAPHIC OILS IN EACH INK.
 - C. INK ABSORPTION FACTOR AS SPECIFIED BY CURRENT SCAQMD GUIDELINES.
 - D. VOC CONTENT OF FOUNTAIN SOLUTION, WASH MATERIALS, AND ANY OTHER MATERIALS, IN POUNDS PER GALLON, AS APPLIED, INCLUDING WATER AND PERCENT VOC BY VOLUME.
 - E. CALENDAR MONTHLY VOC EMISSIONS IN POUNDS.
 - F. OTHER DATA AS REQUIRED TO VERIFY COMPLIANCE WITH THE CONDITIONS SPECIFIED IN THIS PERMIT.

ALL RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, SHALL BE RETAINED ON THE PREMISES FOR AT LEAST FIVE YEARS, AND SHALL BE MADE AVAILABLE UPON REQUEST OF THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE.
[RULE 109, 1303(b)(2)-OFFSET]

9. THE TOTAL QUANTITY OF NATURAL GAS USED IN THE EQUIPMENT PERMITTED UNDER APPLICATION NUMBERS 500852, 500853 AND 500854 SHALL NOT EXCEED 4,154,250 CUBIC FEET IN ANY ONE CALENDAR MONTH.
[RULE 1303(b)(2)-OFFSET]
10. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTING TOTALIZING FUEL FLOW METER TO ACCURATELY INDICATE THE FUEL USAGE OF THE EQUIPMENT.
[RULE 1303(b)(2)-OFFSET]
11. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO DEMONSTRATE COMPLIANCE WITH THE NATURAL GAS FUEL USAGE LIMIT OF CONDITION NO. 9. SUCH RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, SHALL BE RETAINED ON THE PREMISES FOR AT LEAST FIVE YEARS, AND SHALL BE MADE AVAILABLE UPON REQUEST OF THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE.
[RULE 1303(b)(2)-OFFSET]

Emissions And Requirements:

12. 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
 - NO_x: 30 PPMV, RULE 1303(a)(1)-BACT
 - CO: 2000 PPMV, RULE 407

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

PM: 0.1 GR/SCF, RULE 409
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

PERMIT TO OPERATE

Permit No. F68188
A/N 401093

Equipment Description:

LITHOGRAPHIC PRINTING SYSTEM NO. 3A CONSISTING OF:

1. LITHOGRAPHIC PRESS, GOSS, MODEL C-500, SERIAL NO. C506029B, 4-COLOR, 40-INCH WEB WIDTH, 200 HP TOTAL.
2. OVEN, MEGTEC, MODEL TF 1900 (2) 40, NATURAL GAS FIRED, 8'-0" W. X 19'-0" L. X 4'-6" H., WITH TWO MAXON 1.6 MM BTU PER HOUR (EACH) LOW NO_x BURNERS, A 10 HP COMBUSTION AIR BLOWER, A 120 HP CIRCULATION FAN, AND A 10 HP EXHAUST FAN.
3. CHILL ROLL UNIT.
4. ADHESIVE APPLICATOR.

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 THE OVEN IS VENTED TO AIR POLLUTION CONTROL SYSTEM WHICH HAS BEEN ISSUED A VALID PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1)-BACT]
4. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1 WITH EFFECTIVE DATE OF MAY 3, 2002 OR EARLIER, EXCEPT ETHYLENE GLYCOL MONOBUTYL ETHER, ETHYLENE GLYCOL, AND NAPHTHALENE.
[RULE 1401]
5. THE COMPOSITE VAPOR PRESSURE OF THE VOC IN THE BLANKET WASH AND ROLLER WASHES SHALL NOT EXCEED 6 mm Hg AT 68 DEGREES FAHRENHEIT.
[RULE 1303(a)(1)-BACT]

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

6. THE VOC CONTENT OF THE FOUNTAIN SOLUTION USED IN THIS EQUIPMENT SHALL NOT EXCEED 8 % BY VOLUME, AS APPLIED, INCLUDING WATER AND EXEMPT SOLVENTS.
[RULE 1303(a)(1)-BACT]
7. THE OXIDES OF NITROGEN (NO_x) EMISSIONS DISCHARGED FROM THIS EQUIPMENT SHALL NOT EXCEED 30 PPMV, CALCULATED AS NO₂ ON A DRY BASIS AT 3 % OXYGEN AVERAGED OVER 15 CONSECUTIVE MINUTES.
[RULE 1303(a)(1)-BACT]
8. IN ADDITION TO RECORD KEEPING REQUIREMENTS IN RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT FOR THE FOLLOWING:
 - A. DENSITY OF INKS, IN POUNDS PER GALLON.
 - B. PERCENTAGE BY WEIGHT OF LITHOGRAPHIC OILS IN EACH INK.
 - C. INK ABSORPTION FACTOR AS SPECIFIED BY CURRENT SCAQMD GUIDELINES.
 - D. VOC CONTENT OF FOUNTAIN SOLUTION, WASH MATERIALS, AND ANY OTHER MATERIALS, IN POUNDS PER GALLON, AS APPLIED, INCLUDING WATER AND PERCENT VOC BY VOLUME.
 - E. CALENDAR MONTHLY VOC EMISSIONS IN POUNDS.
 - F. OTHER DATA AS REQUIRED TO VERIFY COMPLIANCE WITH THE CONDITIONS SPECIFIED IN THIS PERMIT.

ALL RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, SHALL BE RETAINED ON THE PREMISES FOR AT LEAST FIVE YEARS, AND SHALL BE MADE AVAILABLE UPON REQUEST OF THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE.
[RULE 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
NO_x: 30 PPMV, RULE 1303(a)(1)-BACT
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

PERMIT TO OPERATE

Permit No. G2239
A/N 493465

Equipment Description:

LITHOGRAPHIC PRINTING SYSTEM NO. 3B CONSISTING OF:

1. LITHOGRAPHIC PRESS, GOSS, MODEL C-500, SERIAL NO. C506029B, 4-COLOR, 40-INCH WEB WIDTH, 200 HP TOTAL.
2. OVEN, MEGTEC, MODEL TF 1900 (2) 40, NATURAL GAS FIRED, 8'-0" W. X 19'-0" L. X 4'-6" H., WITH TWO MAXON 1.6 MM BTU PER HOUR (EACH) LOW NO_x BURNERS, A 10 HP COMBUSTION AIR BLOWER, A 120 HP CIRCULATION FAN, AND A 10 HP EXHAUST FAN.
3. CHILL ROLL UNIT.
4. ADHESIVE APPLICATOR.

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 THE OVEN IS VENTED TO AIR POLLUTION CONTROL SYSTEM WHICH HAS BEEN ISSUED A VALID PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1)-BACT]
4. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1 WITH EFFECTIVE DATE OF MAY 3, 2002 OR EARLIER, EXCEPT ETHYLENE GLYCOL MONOBUTYL ETHER, ETHYLENE GLYCOL, AND NAPHTHALENE.
[RULE 1401]
5. THE COMPOSITE VAPOR PRESSURE OF THE VOC IN THE BLANKET WASH AND ROLLER WASHES SHALL NOT EXCEED 6 mm Hg AT 68 DEGREES FAHRENHEIT.
[RULE 1303(a)(1)-BACT]

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

6. THE VOC CONTENT OF THE FOUNTAIN SOLUTION USED IN THIS EQUIPMENT SHALL NOT EXCEED 8 % BY VOLUME, AS APPLIED, INCLUDING WATER AND EXEMPT SOLVENTS.
[RULE 1303(a)(1)-BACT]
7. THE OXIDES OF NITROGEN (NO_x) EMISSIONS DISCHARGED FROM THIS EQUIPMENT SHALL NOT EXCEED 30 PPMV, CALCULATED AS NO₂ ON A DRY BASIS AT 3 % OXYGEN AVERAGED OVER 15 CONSECUTIVE MINUTES.
[RULE 1303(a)(1)-BACT]
8. IN ADDITION TO RECORD KEEPING REQUIREMENTS IN RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT FOR THE FOLLOWING:
 - A. DENSITY OF INKS, IN POUNDS PER GALLON.
 - B. PERCENTAGE BY WEIGHT OF LITHOGRAPHIC OILS IN EACH INK.
 - C. INK ABSORPTION FACTOR AS SPECIFIED BY CURRENT SCAQMD GUIDELINES.
 - D. VOC CONTENT OF FOUNTAIN SOLUTION, WASH MATERIALS, AND ANY OTHER MATERIALS, IN POUNDS PER GALLON, AS APPLIED, INCLUDING WATER AND PERCENT VOC BY VOLUME.
 - E. CALENDAR MONTHLY VOC EMISSIONS IN POUNDS.
 - F. OTHER DATA AS REQUIRED TO VERIFY COMPLIANCE WITH THE CONDITIONS SPECIFIED IN THIS PERMIT.

ALL RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, SHALL BE RETAINED ON THE PREMISES FOR AT LEAST FIVE YEARS, AND SHALL BE MADE AVAILABLE UPON REQUEST OF THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE.
[RULE 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
NO_x: 30 PPMV, RULE 1303(a)(1)-BACT
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

PERMIT TO OPERATE

Permit No. F68189
A/N 401095

Equipment Description:

LITHOGRAPHIC PRINTING SYSTEM NO. 5 CONSISTING OF:

1. LITHOGRAPHIC PRESS, GOSS, MODEL C-700, SERIAL NO. C-6023-A2, 4-COLOR, 66-INCH WEB WIDTH, 650 HP TOTAL.
2. OVEN, MEGTEC, MODEL TF 2404, SERIAL NO. OF-4519t, NATURAL GAS FIRED, 10'-0" W. X 24'-0" L. X 5'-6" H., WITH TWO MAXON 3.0 MM BTU PER HOUR (EACH) LOW NO_x BURNERS, A 5 HP COMBUSTION AIR BLOWER, A 40 HP CIRCULATION FAN, AND A 5 HP EXHAUST FAN.
3. CHILL ROLL UNIT.
4. ADHESIVE APPLICATOR.

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 THE OVEN IS VENTED TO AIR POLLUTION CONTROL SYSTEM WHICH HAS BEEN ISSUED A VALID PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1)-BACT]
4. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1 WITH EFFECTIVE DATE OF MAY 3, 2002 OR EARLIER, EXCEPT ETHYLENE GLYCOL MONOBUTYL ETHER, ETHYLENE GLYCOL, AND NAPHTHALENE.
[RULE 1401]
5. THE COMPOSITE VAPOR PRESSURE OF THE VOC IN THE BLANKET WASH AND ROLLER WASHES SHALL NOT EXCEED 6 mm Hg AT 68 DEGREES FAHRENHEIT.
[RULE 1303(a)(1)-BACT]

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

6. THE VOC CONTENT OF THE FOUNTAIN SOLUTION USED IN THIS EQUIPMENT SHALL NOT EXCEED 8 % BY VOLUME, AS APPLIED, INCLUDING WATER AND EXEMPT SOLVENTS.
[RULE 1303(a)(1)-BACT]
7. THE OXIDES OF NITROGEN (NO_x) EMISSIONS DISCHARGED FROM THIS EQUIPMENT SHALL NOT EXCEED 30 PPMV, CALCULATED AS NO₂ ON A DRY BASIS AT 3 % OXYGEN AVERAGED OVER 15 CONSECUTIVE MINUTES.
[RULE 1303(a)(1)-BACT]
8. IN ADDITION TO RECORD KEEPING REQUIREMENTS IN RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT FOR THE FOLLOWING:
 - A. DENSITY OF INKS, IN POUNDS PER GALLON.
 - B. PERCENTAGE BY WEIGHT OF LITHOGRAPHIC OILS IN EACH INK.
 - C. INK ABSORPTION FACTOR AS SPECIFIED BY CURRENT SCAQMD GUIDELINES.
 - D. VOC CONTENT OF FOUNTAIN SOLUTION, WASH MATERIALS, AND ANY OTHER MATERIALS, IN POUNDS PER GALLON, AS APPLIED, INCLUDING WATER AND PERCENT VOC BY VOLUME.
 - E. CALENDAR MONTHLY VOC EMISSIONS IN POUNDS.
 - F. OTHER DATA AS REQUIRED TO VERIFY COMPLIANCE WITH THE CONDITIONS SPECIFIED IN THIS PERMIT.

ALL RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, SHALL BE RETAINED ON THE PREMISES FOR AT LEAST FIVE YEARS, AND SHALL BE MADE AVAILABLE UPON REQUEST OF THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE.
[RULE 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
NO_x: 30 PPMV, RULE 1303(a)(1)-BACT
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

PERMIT TO OPERATE

Permit No. F68190
A/N 401096

Equipment Description:

LITHOGRAPHIC PRINTING SYSTEM NO. 6 CONSISTING OF:

1. LITHOGRAPHIC PRESS, GOSS, MODEL C-700, SERIAL NO. C70-6023, 4-COLOR, 66-INCH WEB WIDTH, 100 HP TOTAL.
2. OVEN, THERMO ELECTRON, MODEL TF 2700 (1) 66, SERIAL NO. OF-4519B, NATURAL GAS FIRED, 10'-1" W. X 27'-0" L. X 5'-6" H., WITH TWO MAXON 3.2 MM BTU PER HOUR (EACH) LOW NO_x BURNERS, A 10 HP COMBUSTION AIR BLOWER, A 150 HP CIRCULATION FAN, AND A 15 HP EXHAUST FAN.
3. CHILL ROLL UNIT.
4. ADHESIVE APPLICATOR.

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 THE OVEN IS VENTED TO AIR POLLUTION CONTROL SYSTEM WHICH HAS BEEN ISSUED A VALID PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1)-BACT]
4. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1 WITH EFFECTIVE DATE OF MAY 3, 2002 OR EARLIER, EXCEPT ETHYLENE GLYCOL MONOBUTYL ETHER, ETHYLENE GLYCOL, AND NAPHTHALENE.
[RULE 1401]
5. THE COMPOSITE VAPOR PRESSURE OF THE VOC IN THE BLANKET WASH AND ROLLER WASHES SHALL NOT EXCEED 6 mm Hg AT 68 DEGREES FAHRENHEIT.
[RULE 1303(a)(1)-BACT]

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

6. THE VOC CONTENT OF THE FOUNTAIN SOLUTION USED IN THIS EQUIPMENT SHALL NOT EXCEED 8 % BY VOLUME, AS APPLIED, INCLUDING WATER AND EXEMPT SOLVENTS.
[RULE 1303(a)(1)-BACT]
7. THE OXIDES OF NITROGEN (NO_x) EMISSIONS DISCHARGED FROM THIS EQUIPMENT SHALL NOT EXCEED 30 PPMV, CALCULATED AS NO₂ ON A DRY BASIS AT 3 % OXYGEN AVERAGED OVER 15 CONSECUTIVE MINUTES.
[RULE 1303(a)(1)-BACT]
8. IN ADDITION TO RECORD KEEPING REQUIREMENTS IN RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT FOR THE FOLLOWING:
 - A. DENSITY OF INKS, IN POUNDS PER GALLON.
 - B. PERCENTAGE BY WEIGHT OF LITHOGRAPHIC OILS IN EACH INK.
 - C. INK ABSORPTION FACTOR AS SPECIFIED BY CURRENT SCAQMD GUIDELINES.
 - D. VOC CONTENT OF FOUNTAIN SOLUTION, WASH MATERIALS, AND ANY OTHER MATERIALS, IN POUNDS PER GALLON, AS APPLIED, INCLUDING WATER AND PERCENT VOC BY VOLUME.
 - E. CALENDAR MONTHLY VOC EMISSIONS IN POUNDS.
 - F. OTHER DATA AS REQUIRED TO VERIFY COMPLIANCE WITH THE CONDITIONS SPECIFIED IN THIS PERMIT.

ALL RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, SHALL BE RETAINED ON THE PREMISES FOR AT LEAST FIVE YEARS, AND SHALL BE MADE AVAILABLE UPON REQUEST OF THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE.
[RULE 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
NO_x: 30 PPMV, RULE 1303(a)(1)-BACT
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

PERMIT TO OPERATE

Permit No. F68191
A/N 401097

Equipment Description:

LITHOGRAPHIC PRINTING SYSTEM NO. 7 CONSISTING OF:

1. LITHOGRAPHIC PRESS, GOSS, MODEL C-700E, 4-COLOR, 72-INCH WEB WIDTH, 500 HP TOTAL.
2. OVEN, THERMAL WISCONSIN ATLAS, MODEL TF 3806E (1) 72, SERIAL NO. DT97564-974735, NATURAL GAS FIRED, 8'-6" W. X 38'-0" L. X 6'-0" H., WITH TWO MAXON 3.2 MM BTU PER HOUR (EACH) LOW NO_x BURNERS, A 15 HP COMBUSTION AIR BLOWER, A 200 HP CIRCULATION FAN, AND A 15 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 THE OVEN IS VENTED TO AIR POLLUTION CONTROL SYSTEM WHICH HAS BEEN ISSUED A VALID PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1)-BACT]
4. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1 WITH EFFECTIVE DATE OF MAY 3, 2002 OR EARLIER, EXCEPT ETHYLENE GLYCOL MONOBUTYL ETHER, ETHYLENE GLYCOL, AND NAPHTHALENE.
[RULE 1401]
5. THE COMPOSITE VAPOR PRESSURE OF THE VOC IN THE BLANKET WASH AND ROLLER WASHES SHALL NOT EXCEED 6 mm Hg AT 68 DEGREES FAHRENHEIT.
[RULE 1303(a)(1)-BACT]
6. THE VOC CONTENT OF THE FOUNTAIN SOLUTION USED IN THIS EQUIPMENT SHALL NOT EXCEED 8 % BY VOLUME, AS APPLIED, INCLUDING WATER AND EXEMPT SOLVENTS.
[RULE 1303(a)(1)-BACT]

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

7. THE OXIDES OF NITROGEN (NO_x) EMISSIONS DISCHARGED FROM THIS EQUIPMENT SHALL NOT EXCEED 30 PPMV, CALCULATED AS NO₂ ON A DRY BASIS AT 3 % OXYGEN AVERAGED OVER 15 CONSECUTIVE MINUTES.
[RULE 1303(a)(1)-BACT]

8. IN ADDITION TO RECORD KEEPING REQUIREMENTS IN RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT FOR THE FOLLOWING:
 - A. DENSITY OF INKS, IN POUNDS PER GALLON.
 - B. PERCENTAGE BY WEIGHT OF LITHOGRAPHIC OILS IN EACH INK.
 - C. INK ABSORPTION FACTOR AS SPECIFIED BY CURRENT SCAQMD GUIDELINES.
 - D. VOC CONTENT OF FOUNTAIN SOLUTION, WASH MATERIALS, AND ANY OTHER MATERIALS, IN POUNDS PER GALLON, AS APPLIED, INCLUDING WATER AND PERCENT VOC BY VOLUME.
 - E. CALENDAR MONTHLY VOC EMISSIONS IN POUNDS.
 - F. OTHER DATA AS REQUIRED TO VERIFY COMPLIANCE WITH THE CONDITIONS SPECIFIED IN THIS PERMIT.

ALL RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, SHALL BE RETAINED ON THE PREMISES FOR AT LEAST FIVE YEARS, AND SHALL BE MADE AVAILABLE UPON REQUEST OF THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE.
[RULE 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
NO_x: 30 PPMV, RULE 1303(a)(1)-BACT
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

PERMIT TO OPERATE

Permit No. F68192
A/N 410401

Equipment Description:

LITHOGRAPHIC PRINTING SYSTEM NO. 4A CONSISTING OF:

1. LITHOGRAPHIC PRESS, GOSS, MODEL C-500 , SERIAL NO. 6013 14140-R, 4-COLOR, 40-INCH WEB WIDTH, 200 HP TOTAL.
2. OVEN, MEGTEC, MODEL Cp 231 142, SERIAL NO.18635, NATURAL GAS FIRED, 8'-0" W. X 19'-0" L. X 4'-6" H., WITH TWO MAXON 1.6 MM BTU PER HOUR (EACH) LOW NO_x BURNERS, A 7-1/2 HP COMBUSTION AIR BLOWER, A 100 HP CIRCULATION FAN, AND A 5 HP EXHAUST FAN.
3. CHILL ROLL UNIT.
4. ADHESIVE APPLICATOR.

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 THE OVEN IS VENTED TO AIR POLLUTION CONTROL SYSTEM WHICH HAS BEEN ISSUED A VALID PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1)-BACT]
4. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1 WITH EFFECTIVE DATE OF MAY 3, 2002 OR EARLIER, EXCEPT ETHYLENE GLYCOL MONOBUTYL ETHER, ETHYLENE GLYCOL, AND NAPHTHALENE.
[RULE 1401]
5. THE COMPOSITE VAPOR PRESSURE OF THE VOC IN THE BLANKET WASH AND ROLLER WASHES SHALL NOT EXCEED 6 mm Hg AT 68 DEGREES FAHRENHEIT.
[RULE 1303(a)(1)-BACT]

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

6. THE VOC CONTENT OF THE FOUNTAIN SOLUTION USED IN THIS EQUIPMENT SHALL NOT EXCEED 8 % BY VOLUME, AS APPLIED, INCLUDING WATER AND EXEMPT SOLVENTS.
[RULE 1303(a)(1)-BACT]
7. THE OXIDES OF NITROGEN (NO_x) EMISSIONS DISCHARGED FROM THIS EQUIPMENT SHALL NOT EXCEED 30 PPMV, CALCULATED AS NO₂ ON A DRY BASIS AT 3 % OXYGEN AVERAGED OVER 15 CONSECUTIVE MINUTES.
[RULE 1303(a)(1)-BACT]
8. IN ADDITION TO RECORD KEEPING REQUIREMENTS IN RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT FOR THE FOLLOWING:
 - A. DENSITY OF INKS, IN POUNDS PER GALLON.
 - B. PERCENTAGE BY WEIGHT OF LITHOGRAPHIC OILS IN EACH INK.
 - C. INK ABSORPTION FACTOR AS SPECIFIED BY CURRENT SCAQMD GUIDELINES.
 - D. VOC CONTENT OF FOUNTAIN SOLUTION, WASH MATERIALS, AND ANY OTHER MATERIALS, IN POUNDS PER GALLON, AS APPLIED, INCLUDING WATER AND PERCENT VOC BY VOLUME.
 - E. CALENDAR MONTHLY VOC EMISSIONS IN POUNDS.
 - F. OTHER DATA AS REQUIRED TO VERIFY COMPLIANCE WITH THE CONDITIONS SPECIFIED IN THIS PERMIT.

ALL RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, SHALL BE RETAINED ON THE PREMISES FOR AT LEAST FIVE YEARS, AND SHALL BE MADE AVAILABLE UPON REQUEST OF THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE.
[RULE 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
NO_x: 30 PPMV, RULE 1303(a)(1)-BACT
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

PERMIT TO OPERATE

Permit No. F68193
A/N 410995

Equipment Description:

LITHOGRAPHIC PRINTING SYSTEM NO. 4B CONSISTING OF:

1. LITHOGRAPHIC PRESS, GOSS, MODEL C-500 , SERIAL NO. 6016 A200-R, 4-COLOR, 40-INCH WEB WIDTH, 200 HP TOTAL.
2. OVEN, MEGTEC, MODEL Cp 231 142, SERIAL NO.18638, NATURAL GAS FIRED, 8'-0" W. X 19'-0" L. X 4'-6" H., WITH TWO MAXON 1.6 MM BTU PER HOUR (EACH) LOW NO_x BURNERS, A 7-1/2 HP COMBUSTION AIR BLOWER, A 100 HP CIRCULATION FAN, AND A 5 HP EXHAUST FAN.
3. CHILL ROLL UNIT.
4. ADHESIVE APPLICATOR.

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 THE OVEN IS VENTED TO AIR POLLUTION CONTROL SYSTEM WHICH HAS BEEN ISSUED A VALID PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1)-BACT]
4. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1 WITH EFFECTIVE DATE OF MAY 3, 2002 OR EARLIER, EXCEPT ETHYLENE GLYCOL MONOBUTYL ETHER, ETHYLENE GLYCOL, AND NAPHTHALENE.
[RULE 1401]
5. THE COMPOSITE VAPOR PRESSURE OF THE VOC IN THE BLANKET WASH AND ROLLER WASHES SHALL NOT EXCEED 6 mm Hg AT 68 DEGREES FAHRENHEIT.
[RULE 1303(a)(1)-BACT]

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

6. THE VOC CONTENT OF THE FOUNTAIN SOLUTION USED IN THIS EQUIPMENT SHALL NOT EXCEED 8 % BY VOLUME, AS APPLIED, INCLUDING WATER AND EXEMPT SOLVENTS.
[RULE 1303(a)(1)-BACT]
7. THE OXIDES OF NITROGEN (NO_x) EMISSIONS DISCHARGED FROM THIS EQUIPMENT SHALL NOT EXCEED 30 PPMV, CALCULATED AS NO₂ ON A DRY BASIS AT 3 % OXYGEN AVERAGED OVER 15 CONSECUTIVE MINUTES.
[RULE 1303(a)(1)-BACT]
8. IN ADDITION TO RECORD KEEPING REQUIREMENTS IN RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT FOR THE FOLLOWING:
 - A. DENSITY OF INKS, IN POUNDS PER GALLON.
 - B. PERCENTAGE BY WEIGHT OF LITHOGRAPHIC OILS IN EACH INK.
 - C. INK ABSORPTION FACTOR AS SPECIFIED BY CURRENT SCAQMD GUIDELINES.
 - D. VOC CONTENT OF FOUNTAIN SOLUTION, WASH MATERIALS, AND ANY OTHER MATERIALS, IN POUNDS PER GALLON, AS APPLIED, INCLUDING WATER AND PERCENT VOC BY VOLUME.
 - E. CALENDAR MONTHLY VOC EMISSIONS IN POUNDS.
 - F. OTHER DATA AS REQUIRED TO VERIFY COMPLIANCE WITH THE CONDITIONS SPECIFIED IN THIS PERMIT.

ALL RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, SHALL BE RETAINED ON THE PREMISES FOR AT LEAST FIVE YEARS, AND SHALL BE MADE AVAILABLE UPON REQUEST OF THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE.
[RULE 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
NO_x: 30 PPMV, RULE 1303(a)(1)-BACT
CO: 2000 PPMV, RULE 407
PM: 0.1 GR/SCF, RULE 409
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

PERMIT TO OPERATE

**Permit No. F68629
A/N 416582**

Equipment Description:

AIR POLLUTION CONTROL SYSTEM NO. 1 CONSISTING OF:

1. THERMAL OXIDIZER, REGENERATIVE TYPE, ADVANTAGE ENERGY GROUP, MODEL PREMIER-30, 63'-0" L. X 24'-0" W. X 12'-0" H., 30,000 SCFM CAPACITY, WITH AN 8.6 MMBTU/HR BURNER, A 4.5 MMBTU/HR GAS INJECTION SYSTEM, TWO CERAMIC BEDS (19'-0" L. X 10'-0" W. X 4'-0" H. EACH), A 20 HP COMBUSTION BLOWER AND A COIL MEDIA HEAT EXCHANGER.
2. EXHAUST SYSTEM WITH A 34'-0" HIGH STACK AND ONE 200 HP FAN VENTING EIGHT LITHOGRAPHIC PRINTING OVENS.

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 OPERATE AND MAINTAIN THIS EQUIPMENT ACCORDING TO THE FOLLOWING REQUIREMENTS:

THE COMBUSTION CHAMBER TEMPERATURE SHALL BE MAINTAINED AT A MINIMUM OF 1,550 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 1,550 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

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

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 1,550 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 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, RULE 3004(a)(4)-PERIODIC MONITORING, 40CFR PART 64]

4. THE OPERATOR SHALL OPERATE AND MAINTAIN THIS EQUIPMENT TO ACHIEVE DESTRUCTION EFFICIENCY OF AT LEAST 99 % BY WEIGHT WHENEVER THE EQUIPMENT IT SERVES IS IN OPERATION.
[RULE 1303(b)(2)-OFFSET]
5. THE OPERATOR SHALL OPERATE AND MAINTAIN THIS EQUIPMENT TO ACHIEVE AN OVERALL CONTROL EFFICIENCY OF AT LEAST 98.5 %.
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
6. THE OXIDES OF NITROGEN (NO_x) EMISSIONS DISCHARGED FROM THIS EQUIPMENT SHALL NOT EXCEED 78 PPMV, CALCULATED AS NO₂ ON A DRY BASIS AT 3 % OXYGEN AVERAGED OVER 60 CONSECUTIVE MINUTES.
[RULE 1303(b)(2)-OFFSET]

Periodic Monitoring:

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

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

- 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 31, 2011 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:
 - CO: 2000 PPMV, RULE 407
 - PM: 0.1 GR/SCF, RULE 409
 - NOx: 78 PPMV, RULE 1303(b)(2)-OFFSET
 - PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

PERMIT TO CONSTRUCT

A/N 500854
Granted as of

Equipment Description:

LITHOGRAPHIC PRINTING SYSTEM NO. 707, CONSISTING OF:

1. LITHOGRAPHIC PRINTING PRESS, GOSS, MODEL NO. C-700, WEB-FED, 4 X 4 COLOR, 66" WIDTH, 400 HP TOTAL.
2. OVEN, MEGTEC, MODEL NO. ICP39168 COANDA PLUS, 34'-9" L. X 8'-0" W. X 4'-6" H., WITH TWO 3,230,000 BTU PER HOUR NATURAL GAS FIRED MAXON EB3MRV LOW NO_x BURNERS, WITH TWO 10 HP COMBUSTION AIR BLOWERS, TWO 100-HP RECIRCULATION FANS, AND ONE 10-HP EXHAUST FAN.
3. CHILL ROLL UNIT.

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 THE OVEN IS VENTED TO AN AIR POLLUTION CONTROL SYSTEM WHICH HAS BEEN ISSUED A VALID PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1)-BACT]
4. THE TOTAL QUANTITY OF VOLATILE ORGANIC COMPOUNDS (VOC) EMISSIONS DISCHARGED TO THE ATMOSPHERE FROM THIS EQUIPMENT SHALL NOT EXCEED 900 POUNDS IN ANY CALENDAR MONTH. THE VOC EMISSIONS SHALL BE CALCULATED USING THE REQUIRED CONTROL EFFICIENCY SPECIFIED IN THE PERMIT FOR THE APC SYSTEM.
[RULE 212(c)(2)]
5. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1 WITH EFFECTIVE DATE OF MARCH 4, 2005 OR EARLIER, EXCEPT ETHYLENE GLYCOL MONOBUTYL ETHER (CAS NO. 111-76-2), ETHYLENE GLYCOL (CAS NO. 107-21-1), AND NAPHTHALENE (CAS NO. 91-20-3).
[RULE 1401]

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

6. THE COMPOSITE VAPOR PRESSURE OF THE VOC IN THE BLANKET WASH AND ROLLER WASHES SHALL NOT EXCEED 6 MM HG AT 68 DEGREES FAHRENHEIT.
[RULE 1303(a)(1)-BACT]
7. THE VOC CONTENT OF THE FOUNTAIN SOLUTION USED IN THIS EQUIPMENT SHALL NOT EXCEED 8 % BY VOLUME, AS APPLIED, INCLUDING WATER AND EXEMPT SOLVENTS.
[RULE 1303(a)(1)-BACT]
8. THE OXIDES OF NITROGEN (NO_x) EMISSIONS DISCHARGED FROM THIS EQUIPMENT SHALL NOT EXCEED 30 PPMV, CALCULATED AS NO₂ ON A DRY BASIS AT 3 % OXYGEN AVERAGED OVER 15 CONSECUTIVE MINUTES.
[RULE 1303(a)(1)-BACT]
9. IN ADDITION TO RECORDKEEPING REQUIREMENTS IN RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT FOR THE FOLLOWING:
 - A. DENSITY OF INKS, IN POUNDS PER GALLON.
 - B. PERCENTAGE BY WEIGHT OF LITHOGRAPHIC OILS IN EACH INK.
 - C. INK ABSORPTION FACTOR AS SPECIFIED BY CURRENT SCAQMD GUIDELINES.
 - D. VOC CONTENT OF FOUNTAIN SOLUTION, WASH MATERIALS, AND ANY OTHER MATERIALS, IN POUNDS PER GALLON, AS APPLIED, INCLUDING WATER AND PERCENT VOC BY VOLUME.
 - E. CALENDAR MONTHLY VOC EMISSIONS IN POUNDS.
 - F. OTHER DATA AS REQUIRED TO VERIFY COMPLIANCE WITH THE CONDITIONS SPECIFIED IN THIS PERMIT.

ALL RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, SHALL BE RETAINED ON THE PREMISES FOR AT LEAST FIVE YEARS, AND SHALL BE MADE AVAILABLE UPON REQUEST OF THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE.
[RULE 109, 1303(b)(2)-OFFSET]

10. THE TOTAL QUANTITY OF NATURAL GAS USED IN THE EQUIPMENT PERMITTED UNDER APPLICATION NUMBERS 500852, 500853 AND 500854 SHALL NOT EXCEED 4,154,250 CUBIC FEET IN ANY ONE CALENDAR MONTH.
[RULE 1303(b)(2)-OFFSET]
11. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTING TOTALIZING FUEL FLOW METER TO ACCURATELY INDICATE THE FUEL USAGE OF THE EQUIPMENT.
[RULE 1303(b)(2)-OFFSET]
12. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO DEMONSTRATE COMPLIANCE WITH THE NATURAL GAS FUEL USAGE LIMIT OF CONDITION NO. 10. SUCH RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, SHALL BE RETAINED ON THE PREMISES FOR AT LEAST FIVE YEARS, AND SHALL BE MADE AVAILABLE UPON REQUEST OF THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE.
[RULE 1303(b)(2)-OFFSET]

Emissions And Requirements:

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

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
CO: 2000 PPMV, RULE 407
NOx: 30 PPMV, RULE 1303(a)(1)-BACT
PM: 0.1 GR/SCF, RULE 409
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

PERMIT TO CONSTRUCT

A/N 500855
Granted as of
, 2009

Equipment Description:

MODIFICATION TO AIR POLLUTION CONTROL SYSTEM NO.1 (PERMIT NO. F68629), CONSISTING OF:

1. THERMAL OXIDIZER, REGENERATIVE TYPE, ADVANTAGE ENERGY GROUP, MODEL PREMIER-30, 63'-0" L. X 24'-0" W. X 12'-0" H., 30,000 SCFM CAPACITY, WITH AN 8.6 MMBTU/HR BURNER, A 4.5 MMBTU/HR GAS INJECTION SYSTEM, TWO CERAMIC BEDS (19'-0" L. X 10'-0" W. X 4'-0" H. EACH), A 20 HP COMBUSTION BLOWER AND A COIL MEDIA HEAT EXCHANGER.
2. EXHAUST SYSTEM WITH A 34'-0" HIGH STACK AND ONE 200 HP FAN VENTING TEN LITHOGRAPHIC PRINTING OVENS.

BY THE ADDITION OF:

3. THERMAL OXIDIZER, REGENERATIVE TYPE, LANGBEIN & ENGELBRACHT AMERICA, MODEL NO. TR1595C, SERIAL NO. 1062-06, 16'-4" W. X 40'-6" L. X 17'-9" H., 15,000 SCFM CAPACITY, WITH TWO 8'-8" W. X 8'-8" L. X 5'-0" H. CERAMIC BEDS, ONE 3,000,000 MAXON KINEMAX 3-KM BURNER, AND ONE 1.2 HP COMBUSTION BLOWER.
4. EXHAUST SYSTEM WITH A 30'-0" H. EXHAUST STACK AND ONE 150 HP FAN VENTING TEN LITHOGRAPHIC PRINTING OVENS.

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 OPERATE AND MAINTAIN THE THERMAL OXIDIZERS ACCORDING TO THE FOLLOWING REQUIREMENTS:

THE COMBUSTION CHAMBER TEMPERATURE SHALL BE MAINTAINED AT A MINIMUM OF 1,550 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

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

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 1,550 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 1,550 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 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, RULE 3004(a)(4)-PERIODIC MONITORING, 40CFR PART 64]

4. THE TEMPERATURE INDICATING AND RECORDING SYSTEM SHALL BE IN OPERATION WHENEVER THE EQUIPMENT IT SERVES IS IN OPERATION.
[RULE 1303(a)(1)-BACT]
5. THE OPERATOR SHALL OPERATE AND MAINTAIN THIS EQUIPMENT TO ACHIEVE DESTRUCTION EFFICIENCY OF AT LEAST 99 % BY WEIGHT WHENEVER THE EQUIPMENT IT SERVES IS IN OPERATION.
[RULE 1303(b)(2)-OFFSET]

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

6. THE OPERATOR SHALL OPERATE AND MAINTAIN THIS EQUIPMENT TO ACHIEVE AN OVERALL CONTROL EFFICIENCY OF AT LEAST 98.5 %.
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
7. BOTH THERMAL OXIDIZERS SHALL BE IN FULL OPERATION WHENEVER THE BASIC EQUIPMENT THEY SERVE IS IN OPERATION.
[RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
8. THE OXIDES OF NITROGEN (NO_x) EMISSIONS DISCHARGED FROM THIS EQUIPMENT SHALL NOT EXCEED 78 PPMV, CALCULATED AS NO₂ ON A DRY BASIS AT 3 % OXYGEN AVERAGED OVER 60 CONSECUTIVE MINUTES.
[RULE 1303(b)(2)-OFFSET]
9. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT SOURCE TESTS UNDER THE FOLLOWING 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 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 TESTS SHALL CONSIST OF, BUT MAY NOT BE LIMITED TO, TESTING AT THE INLET AND THE EXHAUST OF THE AFTERBURNERS FOR:
 - (1) VOLATILE ORGANIC COMPOUND (VOC) IN PPMV AND LBS/HR
 - (2) OXIDES OF NITROGEN (AFTERBURNERS EXHAUST ONLY)
 - (3) CARBON MONOXIDE (AFTERBURNERS EXHAUST ONLY)
 - (4) VOC DESTRUCTION EFFICIENCY
 - (5) VOC COLLECTION EFFICIENCY
 - (6) USAGE OF ALL VOC-CONTAINING MATERIALS DURING THE TEST
 - (7) OXYGEN CONTENT
 - (8) MOISTURE CONTENT
 - (9) FLOW RATE
 - (10) TEMPERATURE
 - D. WRITTEN NOTICE OF THE SOURCE TESTS 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.

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

- E. TWO COMPLETE COPIES OF THE SOURCE TEST REPORTS 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.
- 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. [RULE 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]

Periodic Monitoring:

- 10. 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 31, 2011 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 CONDITION 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 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 QUEBECOR WORLD GREAT WESTERN PUBLISHING

Emissions And Requirements:

11. 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: 78 PPMV, RULE 1303(b)(2)-OFFSET

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

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 REGULATION:

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

FACILITY PERMIT TO OPERATE QUEBECOR WORLD GREAT WESTERN PUBLISHING

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 QUEBECOR WORLD GREAT WESTERN PUBLISHING

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, REFRIGERATION 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