



**SOUTH COAST AIR QUALITY MANAGEMENT
DISTRICT**

ENGINEERING & COMPLIANCE

APPLICATION PROCESSING AND CALCULATIONS

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**P/C EVALUATION FOR
NEW CONSTRUCTION OF FILM PRINTING MACHINES AND MODIFICATION OF THE
EXISTING CARBON ADSORPTION SYSTEM BY VENTING NEW FILM PRINTERS**

Facility ID: 009668
Legal Owner or Operator: DELUXE LABORATORIES INC.
Mailing Address: 1377 N. SERRANO AVE.
HOLLYWOOD, CA 90027-5623
**Equipment
Location:** SAME AS ABOVE

Equipment Description:

A/N 539853

Title V De Minimis Significant Permit Revision

A/N 539856, P/C (Modification of existing Carbon Adsorber operation under P/C 535950)

MODIFICATION TO AIR POLLUTION CONTROL SYSTEM OPERATING UNDER PERMIT TO
CONSTRUCT (A/N 535950) CONSISTING OF:

1. CARBON ADSORBER, CROFTSHAW, REGENERATIVE ADSORBER TYPE, FOUR CARBON CANISTERS, EACH 2'-10" DIA. X 4'-1" H. (INSIDE DIMENSIONS), EACH WITH 350 POUNDS OF CARBON, AND AN AUTOMATIC STEAM DESORPTION SYSTEM.
2. RECLAIMED SOLVENT TANK, DUAL COMPARTMENT, EACH WITH A 250-GALLON CAPACITY, AND ONE 3/4-HP TRANSFER PUMP.
3. EXHAUST SYSTEM WITH ONE 5-HP BOOSTER-AXIFLOW BLOWER, FOUR 3-HP EXHAUST BLOWERS AND ONE 7.5 H.P. STROBIC BOOSTER BLOWER VENTING FIVE FILM-CLEANING MACHINES AND TWO WET-GATE FILM PRINTING MACHINES.

BY THE ADDITIONAL VENTING OF TWO OPTICAL PRINTERS AND TWO WET-GATE FILM PRINTING MACHINES.

A/N 535860, P/C (New Construction)

WET-GATE FILM-PRINTING MACHINE NO. I, BHP INC., CONTACT TYPE, PANEL PRINTER, 35 TO 70 MM FILM WIDTH.



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A/N 535861, P/C (New Construction, identical with A/N 535860)

WET-GATE FILM-PRINTING MACHINE NO. II, BHP INC., CONTACT TYPE, PANEL PRINTER, 35 TO 70 MM FILM WIDTH.

A/N 540616, P/C (New Construction)

WET-GATE FILM-PRINTING MACHINE NO. OP1, OXBERRY, MODEL NO. 20-OP, OPTICAL TYPE PRINTER, SERIAL NO. 102, 35 TO 70 MM FILM WIDTH.

A/N 540664, P/C (New Construction)

WET-GATE FILM-PRINTING MACHINE NO. OP2, BHP, MODEL NO. 20-OP, SERIAL NO. 152, OPTICAL TYPE PRINTER, 35 TO 70 MM FILM WIDTH.

HISTORY:

The facility submitted A/No's 539858, 60 and 61 on 07/10/12 for installation of three new identical wet-gate film printing machines using perc, and venting them to the existing air pollution control equipment (APC) regenerative carbon adsorber. These wet-gate printers are replacement for previously removed wet-gate printers at the facility. A/N 539856 was submitted for modification of the carbon adsorber to add three new wet-gate printers. On 07/20/12, the applicant submitted two additional applications for two new wet-gate film printing machines, and requested to cancel A/N 539858.

Currently the facility operates under a facility wide emission limit of 6,548 lbs/yr of perc (facility wide condition #5). There will be no emission increase due to the installation of the four new wet-gate printers, the emissions from the new printers will be bubbled under the facility limit for perc. This is a Title V facility and the Title V renewal permit is currently under EPA and public review.

The following is a summary of the applications submitted:

New A/N	Previous A/N	Equipment Description	Action
539856	493510, 535950	Carbon Adsorber	Modification (P/C)
539860	N/A	Wet-Gate Printer	New Construction (P/C)
539861	“	“	“
540616	“	“	“
540664	“	“	“
539858	“	“	Cancelled per applicant request



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PROCESS DESCRIPTION:

Deluxe Laboratories Inc. is in the business of film developing, film coloring and film duplication for the major motion picture industry. This company bids for jobs offered by the motion picture industry. The production rate as well as emissions varies year to year depending on the size and number of contracts. The film development lab at Deluxe Hollywood, develops color-positive, color-negative, and black & white film for the movie production industry. All existing film cleaning machines, wet-gate printers and the four proposed new wet-gate printers that use perc are vented to a regenerative type carbon adsorber.

EMISSION CALCULATIONS:

The applicant will use perc in the four new wet-gate printers (two out of four are identical). All the new wet-gate printers will be vented to the regenerative carbon adsorbtion system. The applicant is not requesting an increase in emissions from the new printers as the emissions will be bubbled under the facility wide limit of 6548 lbs/yr. Hourly AEIS emissions for perc will be entered as calculated below and will be based on applicant information, however the 30-Day Avg emission for perc will be entered as 0 lb/day for all film cleaning machines since the emissions will bubbled under the facility cap.

Based on applicant information, the maximum amount of perc vented to the carbon adsorber from each new machine will be 81 pounds per 24 hour day. The carbon adsorber is conditioned to meet a minimum of 95% overall control efficiency.

The maximum operating schedule for each equipment:

24 hr/day 7 dy/wk 52 wk/yr

R1 = 81 lbs/day = 3.37 lbs/hr
R2 = 3.37 lbs/hr x (1- 0.95) = 0.17 lbs/hr

A/N 539856 (Carbon adsorber):

As part of this existing operation, the company controls perc emissions from the operation of film printing and cleaning machines by a four bed regenerative carbon adsorbtion system (APC). Based on the source test result conducted on June 2, 2011, emissions from film- printing and cleaning machines are being controlled by over 97% with the existing air pollution control system. The new wet-gate printers are a replacement of previously removed wet-gate printers. All the film cleaning and wet-gate printing machines are operated as a permanent total enclosure (PTEs) to achieve 100% capture of emissions. The wet-gate printers system is contained entirely within the printer and includes a pump to deliver liquid from an external bulk supply to an approximately 7 gallon supply reservoir in the base of the printer. Within the printer, the wet printing liquid is circulated and filtered from the supply reservoir to a working reservoir above the wet printing head. The wet-gate printers are designed and operated as an enclosed unit, preventing the escape of solvent vapors to the working environment. The drying enclosure will be continuously exhausted through approximately 4-6 inch ducts exhausting to the APC. The cabinet exhaust is designed for an operational flow rate of 70 cfm for each cleaning machine and optical printer, and 300 cfm for each wet-gate printing machine.



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All ventilation will be achieved via the suction pressure from the carbon adsorber fans. The exhaust from all the wet-gate printers will be manifold, and vented to APC. The adsorber and its fans can draw a maximum of 700 cfm through the entire ventilation system. To ensure proper and adequate ventilation of the cleaning machine and printers, permit condition on the carbon adsorption system limits the ventilation rate to a maximum of 700 cfm. In addition, the applicant is required to use a 70 cfm exhaust flow rate for each film cleaning machine and optical printer, and 300 cfm for each wet-gate printer in order to calculate the flow rate for compliance with the 700 cfm permit condition.

The existing carbon adsorber is a regenerative type, with four 350 lbs fixed carbon adsorption beds mounted in parallel operating up to 24 hrs/day, 7 days/week, 52 weeks per year. In typical operation, three units will be in adsorption mode, with the fourth bed being steam regenerated. Per applicant, the planned operation is for three complete (4-bed) regeneration cycles per 24-hour period. The regenerative cycle consists of the a 30-minutes steam desorption, a 85-minute idle time, and a 5-minute valve changing period, for a total of about 120 minutes per cycle. This allows for three complete four bed regeneration cycles in a 24 hour period.

The carbon adsorption system is limited to an overall control efficiency of 95%. During the latest source test, the system demonstrated a 97% control efficiency. Thus, the carbon system will achieve a control efficiency of 85% required by Rule 1425 (d)(1). Additionally, permit conditions requires monitoring of the inlet and outlet of the carbon adsorbers using continuous emission monitoring system to ensure that the control system is operating in compliance with the permit conditions.

The following table summarizes the connected equipment and maximum design flow rates to the carbon adsorber:

Equipment	Ventilation Flow Rate per Machine (cfm)	Combined Operational Ventilation Flow (cfm)
Five film cleaners	70	350
Two Schmitzer Printers	300	600
Two new Optical Printers	70	140
Two new Panel Printers	300	600
Total		1690

AIR TOXIC EVALUATION:

The proposed film printing machines will be vented to an air pollution control system carbon adsorber with a 95% overall control efficiency to control perc emissions. The proposed project will not result in an increase in toxic emissions at the facility since the total facility emissions limit will be unchanged.

RULE EVALUATION:

Rule 212(c)(1): This section requires a public notice for all new or modified permit units that may emit air contaminants located within 1,000 feet from the outer boundary of a



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school. Since there is no school located within 1,000 ft, a public notice is not required.

Rule 212(c)(2) &(g): This section requires a public notice for all new or modified facilities, which have on-site emission increases exceeding any of the daily maximum as specified in subdivision (g).

The proposed project will not result in an emission increase for the entire facility that will exceed the daily maximum as specified under 212(g). Installing new wet-gate printers will not result in emission increase from the facility that will exceed the threshold limits specified in 212(g). A Rule 212(c)(2) notice will not be triggered.

	Maximum Daily Emissions					
	<u>ROG</u>	<u>NO_x</u>	<u>PM₁₀</u>	<u>SO₂</u>	<u>CO</u>	<u>Pb</u>
Emission increase	0	0	0	0	0	0
MAX Limit (lb/day)	30	40	30	60	220	3
Compliance Status	Yes	Yes	Yes	Yes	Yes	Yes

Rule 212(c)(3): Since the emissions from the new printing machines are bubbled under the existing facility cap, the proposed project will not result in an increase in toxics emissions. Therefore, a Public notice is not required.

Rule 401: Compliance is expected. Visible emissions are not expected with the proper operation of the equipment.

Rule 402: Compliance is expected. Nuisance is not expected with the proper operation of the equipment, no complaints on file.

Rule 1303(a): The emissions from the new wet-gate printers will be vented to the carbon adsorbtion system with an overall control efficiency of 95%, which satisfies the BACT requirements.

Rule 1303(b)(1): Modeling for perchloroethylene is not required. Compliance is expected.

Rule 1303(b)(2): There are no emission increases from the facility as a result of this change. Therefore, offsets are not required.

Rule 1401: Rule 1401 contains the following requirements:

- 1) **(d)(1) MICR and Cancer Burden** - The cumulative increase in MICR which is the sum of the calculated MICR values for all toxic air contaminants emitted from the new, relocated or modified permit unit will not result in any of the following:



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- (A) an increased MICR greater than one in one million (1.0×10^{-6}) at any receptor location, if the permit unit is constructed without T-BACT;
 - (B) an increased MICR greater than ten in one million (1.0×10^{-5}) at any receptor location, if the permit unit is constructed with T-BACT;
 - (C) a cancer burden greater than 0.5.
- 2) **(d)(2) Chronic Hazard Index** - The cumulative increase in total chronic HI for any target organ system due to total emissions from the new, relocated or modified permit unit will not exceed 1.0 at any receptor location.
 - 3) **(d)(3) Acute Hazard Index** - The cumulative increase in total acute HI for any target organ system due to total emissions from the new, relocated or modified permit unit will not exceed 1.0 at any receptor location.

Emissions from the new film printing machines are vented to a carbon adsorbtion system with an overall control efficiency of 95%. In addition, the emissions from the new printing machines are bubbled under the existing facility cap for perc. As a result, the proposed project will not cause an increase in toxics emissions. Compliance with this rule is expected.

Rule 1425:

Perchloroethylene from the wet-gate printing machines at this facility will be vented to the carbon adsorber with at 95% overall control efficiency (rule requirement is 85%). Based on the last source test conducted on June 2, 2011, the film printing and cleaning are being controlled by over 97% with the existing air pollution control system. A new source test will be required to be conducted. Compliance with this rule is expected.

REGULATION XXX: TITLE V

This facility is not in the RECLAIM program. The proposed project is considered as a “de minimis significant permit revision” to the Title V permit for this facility.

Rule 3000(b)(6) defines a “de minimis significant permit revision” as any Title V permit revision where the cumulative emission increases of non-RECLAIM pollutants or hazardous air pollutants (HAPs) from these permit revisions during the term of the permit are not greater than any of the following emission threshold levels:

Air Contaminant	Daily Maximum (lbs/day)
HAP	30
VOC	30
NO _x	40
PM10	30
SO _x	60
CO	220



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To determine if a project is considered as a “de minimis significant permit revision” for non-RECLAIM pollutants or HAPs, emission increases for non-RECLAIM pollutants or HAPs resulting from all permit revisions that are made after the issuance of the Title V renewal permit shall be accumulated and compared to the above threshold levels. This proposed project is the first permit revision to the proposed Title V renewal permit (renewal permit proposed for EPA and public review on August 7, 2012). The following table summarizes the cumulative emission increases resulting from all permit revisions since the Title V renewal permit was proposed for EPA and public review:

Revision	HAP	VOC	NOx	PM₁₀	SOx	CO
1 st Permit Revision, construction of four new wet-gate printers A/Nos: 539860-61, 540616 & 540664, modification of carbon adsorber venting four new wet-gate printers	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
Cumulative Total	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
Maximum Daily	30	30	40	30	60	220

Since the cumulative emission increases resulting from the permit revision is not greater than any of the emission threshold levels, this proposed project is considered as a “de minimis significant permit revision”.

CONCLUSION/RECOMMENDATION:

The proposed project is expected to comply with all applicable District Rules and Regulations. Since the proposed project is considered as a “de minimus significant permit revision”, it is exempt from the public participation requirements under Rule 3006 (b). A proposed permit incorporating this permit revision will be submitted to EPA for a 45-day review pursuant to Rule 3003(j). If EPA does not raise any objections during the review period, a revised Title V permit will be issued to this facility.

CARBON ADSORBER (A/N 539856)

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 ONLY OPERATE THIS EQUIPMENT USING THE PERMANENT TOTAL ENCLOSURES (PTE) WHICH IS MAINTAINED IN COMPLIANCE



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WITH ALL CRITERIA SPECIFIED IN EPA METHOD 204.
[RULE 1303(a)(1)-BACT]

4. THE COMBINED PROCESS STREAM VENTED TO THIS AIR POLLUTION CONTROL SYSTEM SHALL BE LIMITED TO LESS THAN 700 CFM AT ANY ONE TIME.
[RULE 1303(a)(1)-BACT]
5. THE OPERATOR SHALL KEEP RECORDS TO DEMONSTRATE COMPLIANCE WITH CONDITION NO. 4 IN A FORMAT ACCEPTABLE TO THE DISTRICT. THE OPERATOR SHALL USE THE FOLLOWING FLOW RATES IN COMPUTING THE COMBINED PROCESS STREAM VENTED TO THE AIR POLLUTION CONTROL SYSTEM:

70 CFM FOR EACH FILM CLEANING MACHINE.
70 CFM FOR EACH OPTICAL PRINTING MACHINE.
300 CFM FOR EACH WETGATE FILM PRINTING MACHINE.
[RULE 1303(a)(1)-BACT]
6. THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO SHOW COMPLIANCE WITH CONDITION NO. 5. ALL RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, SHALL BE RETAINED ON THE PREMISES FOR AT LEAST FIVE YEARS, AND SHALL BE MADE AVAILABLE UPON REQUEST OF THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE.
[RULE 1303(a)(1)-BACT]
7. THIS EQUIPMENT SHALL BE MAINTAINED AND OPERATED AT A MINIMUM OVERALL CONTROL EFFICIENCY (COLLECTION AND REMOVAL) OF 95% WHEN THE BASIC EQUIPMENT IT SERVES IS IN OPERATION.
[RULE 1303(b)(2)-OFFSET]
8. THE OPERATOR SHALL OPERATE AND MAINTAIN THIS EQUIPMENT ACCORDING TO THE FOLLOWING REQUIREMENTS:

THE OPERATOR SHALL OPERATE AND MAINTAIN A MONITORING SYSTEM CONSISTING OF A FLAME IONIZATION DETECTOR AND A DATA ACQUISITION SYSTEM TO CONTINUOUSLY MEASURE AND RECORD THE 30 MINUTE ROLLING AVERAGE CONCENTRATION OF PERCCHLOROETHYLENE (PERC) IN PPMV AT THE CARBON BED INLET AND OUTLET. THE OUTLET CONCENTRATION SHALL NOT EXCEED 5% OF THE INLET CONCENTRATION. SUCH A SYSTEM SHALL BE INSPECTED, MAINTAINED, AND CALIBRATED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

FOR THE PURPOSE OF THIS CONDITION, A DEVIATION SHALL BE DEFINED AS WHEN THE 30 MINUTE ROLLING AVERAGE CONCENTRATION OF PERC AT THE CARBON BED OUTLET EXCEEDS 5% OF THE INLET CONCENTRATION DURING THE NORMAL OPERATION OF THE EQUIPMENT IT SERVES. THE OPERATOR SHALL



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REVIEW THE RECORDS OF THE CONCENTRATIONS 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 OUTLET PERC CONCENTRATION AT OR BELOW 5% OF THE INLET CONCENTRATION, 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]

9. THE OPERATOR SHALL MAINTAIN RECORDS OF DATES OF CARBON REGENERATION AND REPLACEMENT, RETAIN SUCH RECORDS ON FILE FOR FIVE YEARS, AND MAKE THESE RECORDS AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

[RULE 1303(a)(1)-BACT]



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10. THE OPERATOR SHALL MAINTAIN RECORDS OF SOLVENT (CONTAINING PERCHLOROETHYLENE) USAGE IN ALL FILM PRINTING AND CLEANING OPERATIONS AT THIS FACILITY AS PER THE REQUIREMENTS OF RULE 1425 AND 109. THESE RECORDS SHALL BE RETAINED ON FILE AT THE FACILITY FOR A MINIMUM OF FIVE YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303(b)(2) -OFFSET]

11. THE OWNER/OPERATOR OF THIS EQUIPMENT SHALL CONDUCT A SOURCE TEST(S) UNDER THE FOLLOWING CONDITIONS:
 - A. THE TEST SHALL BE CONDUCTED WITHIN 60 DAYS OF INITIAL START-UP OF THE NEW FILM CLEANERS AND PRINTERS BUT NOT LATER THAN 180 DAYS AFTER INITIAL START-UP, UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT.
 - B. A SOURCE TEST PROTOCOL SHALL BE SUBMITTED TO THE DISTRICT NO LATER THAN 30 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 TESTS SHALL CONSIST OF BUT NOT LIMITED TO, TESTING AT THE INLET AND THE EXHAUST OF THE CARBON ADSORPTION SYSTEM FOR:
 1. PERCHLOROETHYLENE EMISSIONS IN PPMV AND POUNDS PER HOUR.
 2. SYSTEM COLLECTION EFFICIENCY.
 3. ACTIVATED CARBON REMOVAL EFFICIENCY.
 4. FLOW RATES.
 5. USAGE OF ALL PERC-CONTAINING MATERIALS DURING THE TEST.
 6. OXYGEN CONTENT.
 7. MOISTURE CONTENT.
 8. FLOW RATE FROM EACH MACHINE.
 9. OUTLET FLOW RATES.
 10. TEMPERATURE.
 11. DEMONSTRATE THAT THE PTES MEET THE CRITERIA FOR PTE PURSUANT TO EPA METHOD 204.
 - D. THE DISTRICT ENGINEER IDENTIFIED BELOW SHALL BE NOTIFIED OF THE DATE AND TIME OF THE TEST AT LEAST 10 DAYS PRIOR TO THE TEST, OR WITHIN A TIME PERIOD AGREED UPON BY THE DISTRICT ENGINEER.



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- E. THE CONTINUOUS MONITORING SYSTEM READINGS SPECIFIED IN CONDITION NO.8 DURING THE TEST SHALL BE PROVIDED WITH THE SOURCE TEST RESULTS.
- F. THE SOURCE TEST SHALL BE CONDUCTED BY A TESTING LABORATORY CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD IN THE REQUIRED TEST METHODS FOR EACH CRITERIA POLLUTANT TO BE MEASURED AND IN COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST).
- G. THE 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.

[RULE 1303(a)(1)-BACT]

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 DURING THE LIFE OF THE PERMIT (EVERY FIVE YEARS).
 - B. THE TEST SHALL BE CONDUCTED NO LATER THAN NOVEMBER 1, 2016.
 - C. THE TEST SHALL BE CONDUCTED TO DETERMINE THE PERCHLOROETHYLENE EMISSIONS USING AN APPROVED DISTRICT METHOD TO DEMONSTRATE COMPLIANCE WITH ALL APPLICABLE PERMIT CONDITION(S), RULES AND REGULATIONS.
 - D. THE OPERATOR SHALL COMPLY WITH ADMINISTRATIVE CONDITIONS NOs. 8, 9, AND 10 OF SECTION E OF THIS FACILITY PERMIT.
 - E. THE OPERATOR SHALL SUBMIT TWO COMPLETE COPIES OF THE SOURCE TEST REPORT SPECIFIED IN CONDITION NO. 9 OF SECTION E OF THIS FACILITY PERMIT TO THE DISTRICT ENGINEERING AND COMPLIANCE DIVISION. THE ENGINEERING COPY OF THE REPORT SHALL BE SENT TO: SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, COATING, PRINTING, PLATING, MILITARY & ENTERTAINMENT OPERATIONS, ATTN: AIR QUALITY AND COMPLIANCE SUPERVISOR, 21865 COPLEY DRIVE, DIAMOND BAR, CA 91765. THE COMPLIANCE COPY OF THE REPORT SHALL BE SENT TO: SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765

[RULE 3004(a)(4)]

Emissions and Requirements:

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



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HAP: RULE 40CFR63, SUBPART T, SEE SECTION J FOR REQUIREMENTS
PERCHLOROETHYLENE: RULE 1425
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

FILM PRINTING MACHINE

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 NOT USE ANY MATERIALS OTHER THAN PERCHLOROETHYLENE IN THIS EQUIPMENT.
[RULE 1401]
4. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED A PERMIT TO OPERATE BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1)-BACT]
5. THE OPERATOR SHALL ONLY OPERATE THIS EQUIPMENT USING THE PERMANENT TOTAL ENCLOSURE (PTE) WHICH IS MAINTAINED IN ACCORDANCE WITH ALL CRITERIA SPECIFIED IN EPA METHOD 204.
[RULE 1303(a)(1)-BACT]
6. THE OPERATOR SHALL MAINTAIN A LOG OF ALL SOLVENT ADDITIONS OR REMOVALS FROM THIS EQUIPMENT. ALL RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, SHALL BE RETAINED ON THE PREMISES FOR AT LEAST FIVE YEARS, AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 109, 1303(b)(2)-OFFSET]

Emissions and Requirements:

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

PERCHLOROETHYLENE: RULE 1425