State of Ohio Environmental Protection Agency

Street Address:
1800 WaterMark Drive
Columbus, OH 43215-1099

TELE: (614) 644-3020 **FAX:** (614) 644-2329

Mailing Address:
P.O. Box 1049
Columbus, OH 43216-1049

09/17/98

CERTIFIED MAIL

RE: Preliminary Proposed Title V
Chapter 3745-77 permit

08-29-06-0354
MIAMI VALLEY PUBLISHING COMPANY
DARRYLL L. HECK
678 FAIRFIELD YELLOW SPRINGS RD.
(PO BOX 1679)
FAIRBORN, OH 45324

Dear DARRYLL L. HECK:

Enclosed is the Ohio EPA Preliminary Proposed Title V permit that was issued in draft form on 04/23/98. The comment period has ended. We are now ready to submit this permit to USEPA for approval.

We are submitting this for your review and comment. If you do not agree with the Preliminary Proposed Title V permit as written or with agreed-upon changes, then you have the opportunity to schedule a meeting with us to discuss your concerns.

Please contact Jim Orlemann, Engineering Section Manager, 614-644-3592, or you can telefax your request to (614) 644-3681, within fourteen (14) days from receipt of this letter if a meeting is desired. If a request for a meeting is not received within fourteen (14) days of receipt of this letter, we will forward this proposed permit (as written, or with agreed-upon changes) to USEPA for approval.

Very truly yours,

Thomas G. Rigo

Thomas G. Rigo, Manager
Field Operations and Permit Section
Division of Air Pollution Control

cc: RAPCA
Becky Castle, DAPC PMU

Ohio EPA
State of Ohio Environmental Protection Agency

TITLE V PERMIT

Date: 09/17/98

PRELIMINARY PROPOSED

Effective Date:

Expiration Date:

This document constitutes issuance to:

MIAMI VALLEY PUBLISHING COMPANY
678 FAIRFIELD YELLOW SPRINGS RD.
(PO BOX 1679)
FAIRBORN, OH 45324

of a Title V permit for Facility ID: 08-29-06-0354

Emissions Unit ID (Company ID)/
Emissions Unit Activity Description:
K001 (900 A PRESS)
LITHOGRAPHIC WEB OFFSET HEATSET PRINTING PRESS (HARRIS GRAPHICS N900 - 5 UNITS)

K002 (900 B PRESS)
LITHOGRAPHIC WEB OFFSET HEATSET PRINTING PRESS (HARRIS GRAPHICS N900 - 4 UNITS)

K004 (400 C PRESS)
LITHOGRAPHIC WEB OFFSET HEATSET PRINTING PRESS (HARRIS GRAPHICS N400 - 5 UNITS)

K005 (966 A PRESS)
LITHOGRAPHIC WEB OFFSET HEATSET PRINTING PRESS (HARRIS GRAPHICS N900 III - 5 UNITS)

K006 (C-150 PRESS)
LITHOGRAPHIC WEB OFFSET HEATSET PRINTING PRESS (ROCKWELL/GOSS C-150 - 12 UNITS)

You will be contacted approximately eighteen (18) months prior to the expiration date regarding the renewal of this permit. If you are not contacted, please contact the appropriate Ohio EPA District Office or local air agency listed below. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-04(A) and in accordance with the terms of this permit beyond the expiration date, provided that a complete renewal application is submitted no earlier than eighteen (18) months and no later than one-hundred eighty (180) days prior to the expiration date.

Described below is the current Ohio EPA District Office or local air agency that is responsible for processing and administering your Title V permit:

RAPCA
451 West Third Street
PO Box 972
Dayton, OH 45422
(937) 225-4435

OHIO ENVIRONMENTAL PROTECTION AGENCY

_____

Director

PART I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Section

1. Monitoring and Related Recordkeeping and Reporting Requirements

a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

i. The date, place (as defined in the permit), and time of sampling or measurements.
ii. The date(s) analyses were performed.
iii. The company or entity that performed the analyses.
iv. The analytical techniques or methods used.
v. The results of such analyses.
vi. The operating conditions existing at the time of sampling or measurement.

b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:

i. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. These quarterly written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six months and OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations except malfunctions, which shall be reported in accordance with OAC rule 3745-15-06. The written reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.) See B.8 below if no deviations occurred during the quarter.
iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. These semi-annual written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the reporting of any deviations related to the monitoring, recordkeeping, and reporting requirements. If no deviations occurred during a six-month

period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.

iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

2. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports submitted pursuant to OAC rule 3745-15-06 shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of deviations caused by malfunctions or upsets.

Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such control system(s).

3. Risk Management Plans

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

4. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

6. General Requirements

a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.

b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.

c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.

d. This permit does not convey any property rights of any sort, or any exclusive privilege.

e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

7. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78.

8. Marketable Permit Programs

No revision of this permit is required under any approved economic incentive, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.

9. Reasonably Anticipated Operating Scenarios

The permittee is hereby authorized to make changes among operating scenarios authorized in this permit without notice to the Ohio EPA, but, contemporaneous with making a change from one operating scenario to another, the permittee must record in a log at the permitted facility the scenario under which the permittee is operating. The permit shield provided in these general terms and conditions shall apply to all operating scenarios authorized in this permit.

10. Reopening for Cause

This Title V permit will be reopened prior to its expiration date under the following conditions:

a. Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.

b. This permit is issued to an affected source under the acid rain program and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit, and shall not require a reopening of this permit.

c. The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.

d. The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

11. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

12. Compliance Requirements

a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.

b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:

i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.
iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.

c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:

i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

d. Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the appropriate Ohio EPA District Office or local air agency in the following manner and with the following content:

i. Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted on or before April 30th of each year during the permit term.

ii. Compliance certifications shall include the following:

(a) An identification of each term or condition of this permit that is the basis of the certification.

(b) The permittee's current compliance status.

(c) Whether compliance was continuous or intermittent.

(d) The method(s) used for determining the compliance status of the source currently and over the required reporting period.

(e) Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.

iii. Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

13. Permit Shield

a. Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but excluding terms and conditions for which the permit shield is expressly prohibited under OAC rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.

b. This permit shield provision shall apply to any requirement identified in this permit pursuant to OAC rule 3745-77-07(F)(2), as a requirement that does not apply to the source or to one or more emissions units within the source.

14. Operational Flexibility

The permittee is authorized to make the changes identified in OAC rule 3745-77-07(H)(1)(a) to (H)(1)(c) within the permitted stationary source without obtaining a permit revision, if such change is not a modification under any provision of Title I of the Act [as defined in OAC rule 3745-77-01(JJ)], and does not result in an exceedance of the emissions allowed under this permit (whether expressed therein as a rate of emissions or in terms of total emissions), and the permittee provides the Administrator of the U.S. EPA and the appropriate Ohio EPA District Office or local air agency with written notification within a minimum of seven days in advance of the proposed changes, unless the change is associated with, or in response to, emergency conditions. If less than seven days notice is provided because of a need to respond more quickly to such emergency conditions, the permittee shall provide notice to the Administrator of the U.S. EPA and the appropriate District Office of the Ohio EPA or local air agency as soon as possible after learning of the need to make the change. The notification shall contain the items required under OAC rule 3745-77-07(H)(2)(d).

15. Emergencies

The permittee shall have an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations if the conditions of OAC rule 3745-77-07(G)(3) are met. This emergency defense provision is in addition to any emergency or upset provision contained in any applicable requirement.

16. Off Permit Changes

The owner or operator of a Title V source may make any change in its operations or emissions at the source that is not specifically addressed or prohibited in the Title V permit, without obtaining an amendment or modification of the permit, provided that the following conditions are met:

a. The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition;

b. The permittee provides contemporaneous written notice of the change to the director and the administrator, except that no such notice shall be required for changes that qualify as insignificant emission levels or activities as defined in OAC rule 3745-77-01(U). Such written notice shall describe each such change, the date of such change, any change in emissions or pollutants emitted, and any federally applicable requirement that would apply as a result of the change;

c. The change shall not qualify for the permit shield under OAC rule 3745-77-07(F);

d. The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes; and

e. The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

Paragraph (I) of rule 3745-77-07 of the Administrative Code applies only to modification or amendment of the permittee's Title V permit. The change made may require a permit to install under Chapter 3745-31 of the Administrative Code if the change constitutes a modification as defined in that Chapter. Nothing in paragraph (I) of rule 3745-77-07 of the Administrative Code shall affect any applicable obligation under Chapter 3745-31 of the Administrative Code.

(For further clarification, the permittee can refer to Engineering Guide #63 that is available in their STARSHIP software package.)

17. **Compliance Method Requirements**

No term or condition specifying a method for demonstrating compliance with any emission limitation or other requirement of this permit shall preclude the use by any person of any credible evidence to establish compliance with or a violation of this permit, the Clean Air Act, or any implementing regulations or rules promulgated thereunder.

B. State Only Enforceable Section

1. Permit to Install Requirement

Prior to the "installation" or "modification" of any "air contaminant source," as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.

2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Additional Reporting Requirements When There Are No Deviations of <u>Federally Enforceable</u> Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

Part II - Specific Facility Terms and Conditions

A. State and Federally Enforceable Section

None

B. State Only Enforceable Section

1. The permittee is hereby notified that this permit and all agency records concerning these permitted emission units are subject to public disclosure in accordance with OAC rule 3745-49-03.

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: 900 A PRESS (K001)

Activity Description: LITHOGRAPHIC WEB OFFSET HEATSET PRINTING PRESS (HARRIS GRAPHICS N900 - 5 UNITS)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Heatset Web Offset Printing Line (HWOPL) 900 A with catalytic incinerator	OAC rule 3745-21-07(G)	See A.II.1

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, the Ohio EPA field office. Such notification shall include information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emission limits and/or control requirements as defined in OAC 3745-21-07(G)(2). This notification, at a minimum, shall include the company identification of the new material to be employed, the solvent composition of the material, and the maximum amount to be used, in pounds per hour.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month:

a. the company identification of each ink, fountain solution and cleanup material employed in this emissions unit, and

b. whether or not each ink, fountain solution and cleanup material employed is a photochemically reactive material.

IV. Reporting Requirements

1. The permittee shall submit deviation reports which identify the days during which photochemically reactive materials were employed in this emissions unit. Each report shall identify the cause for the use of the photochemically reactive material(s), and the estimated total quantity of material(s) emitted during each such day, in pounds. Each report shall be submitted to the Director (appropriate DO or LAA) within 30 days of the deviation.

V. Testing Requirements

1. Formulation data or USEPA Method 24 shall be used to determine the organic compound contents of the inks, fountain solutions and cleanup materials.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Heatset Web Offset Printing Line (HWOPL) 900 A with catalytic incinerator	OAC rule 3745-31-05 PTI#08-2788	2.31 lbs/hr and 9.43 TPY organic compounds, excluding cleanup 4.62 TPY organic compounds from cleanup minimum destruction efficiency of 90% for catalytic incineration The above tons/yr limitations are rolling, 12-month summations, as calculated in section B.V.1.b.

2. Additional Terms and Conditions

2.a The 2.31 lbs OC/hour limit was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.

II. Operational Restrictions

1. The dryer-related organic compound emissions from this emissions unit, K001, shall be controlled at all times through the use of a catalytic incinerator. The control efficiency of the incinerator shall reduce emissions of organic materials such that 90% or more of the carbon in the organic material is incinerated.

II. Operational Restrictions (continued)

2.a The maximum annual ink, fountain solution, and cleanup usages for this emissions unit shall not exceed 500,000 pounds, 2800 gallons, and 2800 gallons, respectively, based upon rolling, 12-month summations of the ink, fountain solution, and cleanup usage figures.

To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the ink, fountain solution, and cleanup usage levels specified in the following table:

Month(s)	Max. Allowable Cum. Ink Usage (in pounds)	Max. Allowable Cum. Fountain Solution Usage (in gallons)	Max. Allowable Cum. Cleanup Usage (in gallons)
1	41,666.67	233.33	233.33
1-2	83,333.34	466.66	466.66
1-3	125,000.00	699.99	699.99
1-4	166,666.68	933.32	933.32
1-5	208,333.35	1,166.65	1,166.65
1-6	250,000.00	1,399.98	1,399.98
1-7	291,666.69	1,633.31	1,633.31
1-8	333,333.36	1,866.64	1,866.64
1-9	375,000.00	2,099.97	2,099.97
1-10	416,666.70	2,333.30	2,333.30
1-11	458,333.37	2,566.63	2,566.63
1-12	500,000.00	2,800.00	2,800.00

2.b After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual usage limitations specified in Section B.II.2.a shall be based upon rolling, 12-month summations of the ink, fountain solution, and cleanup usage figures.

3. The average temperature of the exhaust gases immediately before the catalyst bed, for any 3-hour block of time when the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

The average temperature difference across the catalyst bed, for any 3-hour block of time when the emissions unit is operating at maximum capacity, shall not be less than 80 percent of the average temperature difference during the most recent emission test that demonstrated the emissions unit was in compliance.

4. The hand wash cleanup material is used to clean rollers and blankets and for other general purposes. The cleanup cloths shall be stored in closed containers.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain continuous temperature monitors and recorder(s) which measure and record(s) the temperature immediately upstream of the incinerator's catalyst bed when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitors and recorder(s) shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information each day:

a. A log of the downtime for the control device and monitoring equipment, when the associated emissions unit was in operation.

b. All 3-hour blocks of time (when the emissions unit was in operation) during which the average temperature of the exhaust gases immediately before the catalyst bed was more than 50 degrees Fahrenheit below the average temperature of the exhaust gases during the most recent performance test that demonstrated the emissions unit was in compliance.

c. All 3-hour blocks of time (when the emissions unit was in operation) during which the average temperature difference across the catalyst bed was less than 80 percent of the average temperature difference during the most recent performance test that demonstrated the emissions unit was in compliance.

2. The permittee shall collect and record the following information each month for the inks and fountain solutions employed in this emissions unit:

a. The company identification for each ink and fountain solution employed.
b. The amount of each ink employed (in pounds).
c. The number of gallons of each fountain solution employed.
d. The organic compound content of each ink, in percent by weight.
e. The organic compound content of each fountain solution, in pounds per gallon.
f. The total potential organic compound emissions rates for all inks, in pounds, i.e., the summation of (b) X (d) for all inks.
g. The total potential organic compound emissions rate for all fountain solutions, in pounds, i.e., the summation of (c) X (e) for all fountain solutions.
h. The total controlled organic compound emission rate for all inks and fountain solutions, in pounds, per month (for calculation method refer to section V.1.b.).
i. The rolling, 12-month summation of the total controlled organic compound emissions, in pounds, beginning after the first 12 calendar months following the issuance of this permit.

3. The permittee shall collect and record the following information each month for the cleanup material employed in this emissions unit:

a. The company identification for the cleanup material employed.
b. The number of gallons of cleanup material employed.
c. The organic compound content of the cleanup material, in pounds per gallon.
d. The total potential organic compound emission rate for the cleanup material, in pounds, i.e., the summation of (b) X (c) for all cleanup materials.
e. The total controlled organic compound emission rate for all cleanup materials, in pounds, per month (for calculation method refer to section V.1.c.).
f. The rolling, 12- month summation of the total organic compound emissions, in pounds, beginning after the first 12 calendar months following the issuance of this permit. (refer to Section V.1.c for calcualtion methodology).

III. Monitoring and/or Record Keeping Requirements (continued)

4. The permittee shall maintain monthly records of the following information:

a. The total ink (pounds), fountain solution (gallons), and cleanup (gallons) usages for each month.

b. Beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the total ink (pounds), fountain solution (gallons), and cleanup (gallons) usage figures.

Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative ink (pounds), fountain solution (gallons), and cleanup (gallons) usage for each calendar month.

IV. Reporting Requirements

1. In accordance with paragraph B.2 of the General Terms and Conditions, the permittee shall submit deviation (excursion) reports which include the following information:

a. All 3-hour blocks of time (when the emissions unit was in operation) during which the average temperature of the exhaust gases immediately before the catalyst bed was more than 50 degrees Fahrenheit below the average temperature of the exhaust gases during the most recent performance test that demonstrated the emissions unit was in compliance.

b. All 3-hour blocks of time (when the emissions unit was in operation) during which the average temperature difference across the catalyst bed was less than 80 percent of the average temperature difference during the most recent performance test that demonstrated the emissions unit was in compliance.

c. All exceedances of the rolling 12-month usage limitations and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative ink (pounds), fountain solution (gallons), and cleanup (gallons) usages.

d. All exceedances of the rolling 12-month organic compound emission limitation, excluding cleanup (beginning the 13th calendar month after issuance of this permit).

e. All exceedances of the rolling 12-month organic compound emission limitation for cleanup (beginning the 13th calendar month after issuance of this permit).

2. The permittee also shall submit quarterly summaries which include a log of the downtime for the control device and monitoring equipment, when the associated emissions unit was in operation. These summaries shall be submitted on the same time schedule as the deviation reports.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation-
2.31 lbs/hr OC, excluding cleanup

Applicable Compliance Method-
Compliance shall be determined by multiplying the maximum hourly ink and fountain solution usages, respectively, by the maximum VOC contents of the inks and fountain solutions employed in this emissions unit and adding the products. The product shall then be multiplied by a factor of 1 minus the destruction efficiency from the most recent performance test that demonstrated that the emissions unit was in compliance.

V. Testing Requirements (continued)

1.b Emission Limitation-
9.43 TPY OC, excluding cleanup, based on a rolling 12-month summation

Applicable Compliance Method-
The determination of the monthly organic compound emission rate from the inks and fountain solution shall be in accordance with the record keeping requirements as specified in Section B.III.2. and the calculation methodology specified below. After the first twelve calendar months of operation following the issuance of this permit, compliance with this annual organic compound emission limit shall be based on a rolling 12-month summation.

i. The total potential organic compound emission rate from the inks (pounds), as required to be recorded in section B.III.2.f., shall be multiplied by a factor of 0.80. The product shall then be multiplied by a factor of 1 minus the destruction efficiency from the most recent performance test that demonstrated that the emissions unit was in compliance.
ii. The total potential organic compound emission rate from the fountain solutions (pounds), as required to be recorded in section B.III.2.g., shall be multiplied by a factor of 0.70. The product shall then be multiplied by a factor of 1 minus the destruction efficiency from the most recent performance test that demonstrated that the emissions unit was in compliance.
iii. The total organic compound usage rate from the fountain solutions, as required to be recorded in Section B.III.2.g., shall be multiplied by a factor of 0.30.
iv. The total monthly organic compound emission rate, excluding cleanup, shall be the sum of the products from (i), (ii), and (iii) divided by 2000 lbs/ton.
v. The monthly organic compound emission rates, excluding cleanup, shall then be summed, as a rolling 12-month summation.

* Per DAPC guidance, the following assumptions will be used in calculating the OC emissions for this emissions unit: 20 percent of the the ink solvent is retained in the web and the remaining 80 percent is vented to the catalytic incinerator. 30 percent of the fountain solution emissions is fugitive, and 70 percent is vented to the catalytic incinerator. Until additional emission tests are conducted, the destruction efficiency of 90% shall be used in this calculation.

1.c Emission Limitation-
4.62 TPY OC, cleanup, based on a rolling 12-month summation

Applicable Compliance Method-
The determination of the monthly organic compound emission rate from cleanup shall be in accordance with the record keeping requirements as specified in Section B.III.3. and the calculation methodology specified below. After the first twelve calendar months of operation following the issuance of this permit, compliance with this annual organic compound emission limit shall be based on a rolling 12-month summation.

i. The total potential monthly organic compound usage rate from cleanup (pounds), as required to be recorded in section B.III.3.d., shall be multiplied by a factor of 0.50 (50% fugitive emission release), and divided by 2000 lbs/ton.

ii. The monthly organic compound emission rates, for cleanup, shall then be summed, as a rolling 12-month summation

*Per DAPC guidance, the cleanup operations can assume 50% of the solvent is retained in the cloths and 50% is emitted as fugitive, if the solvent has a vapor pressure of 10 mmHg or lower at 20 degrees Celsius (68 deg F.). If the cleanup solvent does not have a vapor pressure of 10 mmHg or lower at 20 degrees Celsius (68 deg F.), then 100% of the solvent shall be counted toward fugitive emissions.

2. USEPA Method 24A shall be used to determine the VOC contents for the inks, fountain solutions and cleanup materials. If, pursuant to section 4.3 of method 24A, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24A cannot be used for a particular ink, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that ink to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24A.

V. Testing Requirements (continued)

3.a The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

i. The emissions testing shall be conducted approximately 12 months after permit issuance and within 6 months prior to permit renewal.

ii. The emissions testing shall be conducted to demonstrate compliance with the destruction efficiency limitation for organic compounds and the allowable mass emission rate for OC.

iii. The following test method shall be employed to demonstrate compliance with the destruction efficiency limitation: for OC, Method 25 or 25A of 40 CFR Part 60, Appendix A. The test method which must be employed to demonstrate compliance with the destruction efficiency limitation for OC is specified below.

iv. The tests shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

v. The destruction efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10. The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.

3.b Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: 900 B PRESS (K002)

Activity Description: LITHOGRAPHIC WEB OFFSET HEATSET PRINTING PRESS (HARRIS GRAPHICS N900 - 4 UNITS)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Heatset Web Offset Printing Line (HWOPL) 900 B with catalytic incinerator	OAC rule 3745-21-07(G) .	See A.II.1

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, the Ohio EPA field office. Such notification shall include information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emission limits and/or control requirements as defined in OAC 3745-21-07(G)(2). This notification, at a minimum, shall include the company identification of the new material to be employed, the solvent composition of the material, and the maximum amount to be used, in pounds per hour.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month:

a. the company identification of each ink, fountain solution and cleanup material employed in this emissions unit, and

b. whether or not each ink, fountain solution and cleanup material employed is a photochemically reactive material.

IV. Reporting Requirements

1. The permittee shall submit deviation reports which identify the days during which photochemically reactive materials were employed in this emissions unit. Each report shall identify the cause for the use of the photochemically reactive material(s), and the estimated total quantity of material(s) emitted during each such day, in pounds. Each report shall be submitted to the Director (appropriate DO or LAA) within 30 days of the deviation.

V. Testing Requirements

1. Formulation data or USEPA Method 24 shall be used to determine the organic compound contents of the inks, fountain solutions and cleanup materials.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Heatset Web Offset Printing Line (HWOPL) 900 B with catalytic incinerator	OAC rule 3745-31-05 PTI#08-3582	0.94 lbs/hr and 12.11 TPY organic compounds, excluding cleanup 6.27 TPY organic compounds from cleanup minimum destruction efficiency of 90% for catalytic incineration The above tons/yr limitations are rolling, 12-month summations, as calculated in section B.V.1.b.

2. Additional Terms and Conditions

2.a The 0.94 lbs OC/hour limit was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.

II. Operational Restrictions

1. The dryer-related organic compound emissions from this emissions unit, K002, shall be controlled at all times through the use of a catalytic incinerator. The control efficiency of the incinerator shall reduce emissions of organic materials such that 90% or more of the carbon in the organic material is incinerated.

II. Operational Restrictions (continued)

2.a The maximum annual ink, fountain solution, and cleanup usages for this emissions unit shall not exceed 630,000 pounds, 5000 gallons, and 3800 gallons, respectively, based upon rolling, 12-month summations of the ink, fountain solution, and cleanup usage figures.

To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the ink, fountain solution, and cleanup usage levels specified in the following table:

Month(s)	Max. Allowable Cum. Ink Usage (in pounds)	Max. Allowable Cum. Fountain Solution Usage (in gallons)	Max. Allowable Cum. Cleanup Usage (in gallons)
1	52,500	416.67	316.67
1-2	105,000	833.33	633.34
1-3	157,500	1,250.01	950.01
1-4	210,000	1,666.68	1,266.68
1-5	262,500	2,083.35	1,583.35
1-6	315,000	2,500.02	1,900.02
1-7	367,500	2,916.69	2,216.69
1-8	420,000	3,333.36	2,533.36
1-9	472,500	3,750.03	2,850.03
1-10	525,000	4,166.70	3,166.70
1-11	577,500	4,583.37	3,483.37
1-12	630,000	5,000.00	3,800.00

2.b After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual usage limitations specified in Section B.II.2.a shall be based upon rolling, 12-month summations of the ink, fountain solution, and cleanup usage figures.

3. The average temperature of the exhaust gases immediately before the catalyst bed, for any 3-hour block of time when the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

The average temperature difference across the catalyst bed, for any 3-hour block of time when the emissions unit is operating at maximum capacity, shall not be less than 80 percent of the average temperature difference during the most recent emission test that demonstrated the emissions unit was in compliance.

4. The hand wash cleanup material is used to clean rollers and blankets and for other general purposes. The cleanup cloths shall be stored in closed containers.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain continuous temperature monitors and recorder(s) which measure and record(s) the temperature immediately upstream of the incinerator's catalyst bed when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitors and recorder(s) shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information each day:

a. A log of the downtime for the control device and monitoring equipment, when the associated emissions unit was in operation.

b. All 3-hour blocks of time (when the emissions unit was in operation) during which the average temperature of the exhaust gases immediately before the catalyst bed was more than 50 degrees Fahrenheit below the average temperature of the exhaust gases during the most recent performance test that demonstrated the emissions unit was in compliance.

c. All 3-hour blocks of time (when the emissions unit was in operation) during which the average temperature difference across the catalyst bed was less than 80 percent of the average temperature difference during the most recent performance test that demonstrated the emissions unit was in compliance.

2. The permittee shall collect and record the following information each month for the inks and fountain solutions employed in this emissions unit:

a. The company identification for each ink and fountain solution employed.
b. The amount of each ink employed (in pounds).
c. The number of gallons of each fountain solution employed.
d. The organic compound content of each ink, in percent by weight.
e. The organic compound content of each fountain solution, in pounds per gallon.
f. The total potential organic compound emissions rates for all inks, in pounds, i.e., the summation of (b) X (d) for all inks.
g. The total potential organic compound emissions rate for all fountain solutions, in pounds, i.e., the summation of (c) X (e) for all fountain solutions.
h. The total controlled organic compound emission rate for all inks and fountain solutions, in pounds, per month (for calculation method refer to section V.1.b.).
i. The rolling, 12-month summation of the total controlled organic compound emissions, in pounds, beginning after the first 12 calendar months following the issuance of this permit.

3. The permittee shall collect and record the following information each month for the cleanup material employed in this emissions unit:

a. The company identification for the cleanup material employed.
b. The number of gallons of cleanup material employed.
c. The organic compound content of the cleanup material, in pounds per gallon.
d. The total potential organic compound emission rate for the cleanup material, in pounds, i.e., the summation of (b) X (c) for all cleanup materials.
e. The total controlled organic compound emission rate for all cleanup materials, in pounds, per month (for calculation method refer to section V.1.c.).
f. The rolling, 12- month summation of the total organic compound emissions, in pounds, beginning after the first 12 calendar months following the issuance of this permit. (refer to Section V.1.c for calcualtion methodology).

III. Monitoring and/or Record Keeping Requirements (continued)

4. The permittee shall maintain monthly records of the following information:

a. The total ink (pounds), fountain solution (gallons), and cleanup (gallons) usages for each month.

b. Beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the total ink (pounds), fountain solution (gallons), and cleanup (gallons) usage figures.

Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative ink (pounds), fountain solution (gallons), and cleanup (gallons) usage for each calendar month.

IV. Reporting Requirements

1. In accordance with paragraph B.2 of the General Terms and Conditions, the permittee shall submit deviation (excursion) reports which include the following information:

a. All 3-hour blocks of time (when the emissions unit was in operation) during which the average temperature of the exhaust gases immediately before the catalyst bed was more than 50 degrees Fahrenheit below the average temperature of the exhaust gases during the most recent performance test that demonstrated the emissions unit was in compliance.

b. All 3-hour blocks of time (when the emissions unit was in operation) during which the average temperature difference across the catalyst bed was less than 80 percent of the average temperature difference during the most recent performance test that demonstrated the emissions unit was in compliance.

c. All exceedances of the rolling 12-month usage limitations and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative ink (pounds), fountain solution (gallons), and cleanup (gallons) usages.

d. All exceedances of the rolling 12-month organic compound emission limitation, excluding cleanup (beginning the 13th calendar month after issuance of this permit).

e. All exceedances of the rolling 12-month organic compound emission limitation for cleanup (beginning the 13th calendar month after issuance of this permit).

2. The permittee also shall submit quarterly summaries which include a log of the downtime for the control device and monitoring equipment, when the associated emissions unit was in operation. These summaries shall be submitted on the same time schedule as the deviation reports.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation-
0.94 lbs/hr OC, excluding cleanup

Applicable Compliance Method-
Compliance shall be determined by multiplying the maximum hourly ink and fountain solution usages, respectively, by the maximum VOC contents of the inks and fountain solutions employed in this emissions unit and adding the products. The product shall then be multiplied by a factor of 1 minus the destruction efficiency from the most recent performance test that demonstrated that the emissions unit was in compliance.

V. Testing Requirements (continued)

1.b Emission Limitation-
12.11 TPY OC, excluding cleanup, based on a rolling 12-month summation

Applicable Compliance Method-
The determination of the monthly organic compound emission rate from the inks and fountain solution shall be in accordance with the record keeping requirements as specified in Section B.III.2. and the calculation methodology specified below. After the first twelve calendar months of operation following the issuance of this permit, compliance with this annual organic compound emission limit shall be based on a rolling 12-month summation.

i. The total potential organic compound emission rate from the inks (pounds), as required to be recorded in section B.III.2.f., shall be multiplied by a factor of 0.80. The product shall then be multiplied by a factor of 1 minus the destruction efficiency from the most recent performance test that demonstrated that the emissions unit was in compliance.
ii. The total potential organic compound emission rate from the fountain solutions (pounds), as required to be recorded in section B.III.2.g., shall be multiplied by a factor of 0.70. The product shall then be multiplied by a factor of 1 minus the destruction efficiency from the most recent performance test that demonstrated that the emissions unit was in compliance.
iii. The total organic compound usage rate from the fountain solutions, as required to be recorded in Section B.III.2.g., shall be multiplied by a factor of 0.30.
iv. The total monthly organic compound emission rate, excluding cleanup, shall be the sum of the products from (i), (ii), and (iii) divided by 2000 lbs/ton.
v. The monthly organic compound emission rates, excluding cleanup, shall then be summed, as a rolling 12-month summation.

* Per DAPC guidance, the following assumptions will be used in calculating the OC emissions for this emissions unit: 20 percent of the the ink solvent is retained in the web and the remaining 80 percent is vented to the catalytic incinerator. 30 percent of the fountain solution emissions is fugitive, and 70 percent is vented to the catalytic incinerator. Until additional emission tests are conducted, the destruction efficiency of 90% shall be used in this calculation.

1.c Emission Limitation-
6.27 TPY OC, cleanup, based on a rolling 12-month summation

Applicable Compliance Method-
The determination of the monthly organic compound emission rate from cleanup shall be in accordance with the record keeping requirements as specified in Section B.III.3. and the calculation methodology specified below. After the first twelve calendar months of operation following the issuance of this permit, compliance with this annual organic compound emission limit shall be based on a rolling 12-month summation.

i. The total potential monthly organic compound usage rate from cleanup (pounds), as required to be recorded in section B.III.3.d., shall be multiplied by a factor of 0.50 (50% fugitive emission release), and divided by 2000 lbs/ton.

ii. The monthly organic compound emission rates, for cleanup, shall then be summed, as a rolling 12-month summation

*Per DAPC guidance, the cleanup operations can assume 50% of the solvent is retained in the cloths and 50% is emitted as fugitive, if the solvent has a vapor pressure of 10 mmHg or lower at 20 degrees Celsius (68 deg F.). If the cleanup solvent does not have a vapor pressure of 10 mmHg or lower at 20 degrees Celsius (68 deg F.), then 100% of the solvent shall be counted toward fugitive emissions.

2. USEPA Method 24A shall be used to determine the VOC contents for the inks, fountain solutions and cleanup materials. If, pursuant to section 4.3 of method 24A, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24A cannot be used for a particular ink, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that ink to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24A.

V. Testing Requirements (continued)

3.a The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

i. The emissions testing shall be conducted approximately 12 months after permit issuance and within 6 months prior to permit renewal.

ii. The emissions testing shall be conducted to demonstrate compliance with the destruction efficiency limitation for organic compounds and the allowable mass emission rate for OC.

iii. The following test method shall be employed to demonstrate compliance with the destruction efficiency limitation: for OC, Method 25 or 25A of 40 CFR Part 60, Appendix A. The test method which must be employed to demonstrate compliance with the destruction efficiency limitation for OC is specified below.

iv. The tests shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

v. The destruction efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10. The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.

3.b Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: 400 C PRESS (K004)

Activity Description: LITHOGRAPHIC WEB OFFSET HEATSET PRINTING PRESS (HARRIS GRAPHICS N400 - 5 UNITS)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Heatset Web Offset Printing Line (HWOPL) 400 C with catalytic incinerator	OAC rule 3745-21-07(G)	See A.II.1

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, the Ohio EPA field office. Such notification shall include information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emission limits and/or control requirements as defined in OAC 3745-21-07(G)(2). This notification, at a minimum, shall include the company identification of the new material to be employed, the solvent composition of the material, and the maximum amount to be used, in pounds per hour.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month:

a. the company identification of each ink, fountain solution and cleanup material employed in this emissions unit, and

b. whether or not each ink, fountain solution and cleanup material employed is a photochemically reactive material.

IV. Reporting Requirements

1. The permittee shall submit deviation reports which identify the days during which photochemically reactive materials were employed in this emissions unit. Each report shall identify the cause for the use of the photochemically reactive material(s), and the estimated total quantity of material(s) emitted during each such day, in pounds. Each report shall be submitted to the Director (appropriate DO or LAA) within 30 days of the deviation.

V. Testing Requirements

1. Formulation data or USEPA Method 24 shall be used to determine the organic compound contents of the inks, fountain solutions and cleanup materials.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Heatset Web Offset Printing Line (HWOPL) 400 C with catalytic incinerator	OAC rule 3745-31-05 PTI #08-2674	1.22 lbs/hr and 3.37 TPY organic compounds, excluding cleanup 2.64 TPY organic compounds from cleanup minimum destruction efficiency of 95% for catalytic incineration The above tons/yr limitations are rolling, 12-month summations, as calculated in section B.V.1.b.

2. Additional Terms and Conditions

2.a The 1.22 lbs OC/hour limit was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.

II. Operational Restrictions

1. The dryer-related organic compound emissions from this emissions unit, K004, shall be controlled at all times through the use of a catalytic incinerator. The control efficiency of the incinerator shall reduce emissions of organic materials such that 95% or more of the carbon in the organic material is incinerated.

II. Operational Restrictions (continued)

2.a The maximum annual ink, fountain solution, and cleanup usages for this emissions unit shall not exceed 308,000 pounds, 4320 gallons, and 1600 gallons, respectively, based upon rolling, 12-month summations of the ink, fountain solution, and cleanup usage figures.

To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the ink, fountain solution, and cleanup usage levels specified in the following table:

Month(s)	Max. Allowable Cum. Ink Usage (in pounds)	Max. Allowable Cum. Fountain Solution Usage (in gallons)	Max. Allowable Cum. Cleanup Usage (in gallons)
1	25,666.67	360.00	133.33
1-2	51,333.34	720.00	266.66
1-3	77,000.00	1,080.00	399.99
1-4	102,666.68	1,440.00	533.32
1-5	128,333.35	1,800.00	666.65
1-6	154,000.02	2,160.00	799.98
1-7	179,666.69	2,520.00	933.31
1-8	205,333.36	2,880.00	1,066.64
1-9	231,000.03	3,240.00	1,199.97
1-10	256,666.70	3,600.00	1,333.30
1-11	282,333.37	3,960.00	1,466.63
1-12	308,000.00	4,320.00	1,600.00

2.b After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual usage limitations specified in Section B.II.2.a shall be based upon rolling, 12-month summations of the ink, fountain solution, and cleanup usage figures.

3. The average temperature of the exhaust gases immediately before the catalyst bed, for any 3-hour block of time when the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

The average temperature difference across the catalyst bed, for any 3-hour block of time when the emissions unit is operating at maximum capacity, shall not be less than 80 percent of the average temperature difference during the most recent emission test that demonstrated the emissions unit was in compliance.

4. The hand wash cleanup material is used to clean rollers and blankets and for other general purposes. The cleanup cloths shall be stored in closed containers.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain continuous temperature monitors and recorder(s) which measure and record(s) the temperature immediately upstream of the incinerator's catalyst bed when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitors and recorder(s) shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information each day:

a. A log of the downtime for the control device and monitoring equipment, when the associated emissions unit was in operation.

b. All 3-hour blocks of time (when the emissions unit was in operation) during which the average temperature of the exhaust gases immediately before the catalyst bed was more than 50 degrees Fahrenheit below the average temperature of the exhaust gases during the most recent performance test that demonstrated the emissions unit was in compliance.

c. All 3-hour blocks of time (when the emissions unit was in operation) during which the average temperature difference across the catalyst bed was less than 80 percent of the average temperature difference during the most recent performance test that demonstrated the emissions unit was in compliance.

2. The permittee shall collect and record the following information each month for the inks and fountain solutions employed in this emissions unit:

a. The company identification for each ink and fountain solution employed.
b. The amount of each ink employed (in pounds).
c. The number of gallons of each fountain solution employed.
d. The organic compound content of each ink, in percent by weight.
e. The organic compound content of each fountain solution, in pounds per gallon.
f. The total potential organic compound emissions rates for all inks, in pounds, i.e., the summation of (b) X (d) for all inks.
g. The total potential organic compound emissions rate for all fountain solutions, in pounds, i.e., the summation of (c) X (e) for all fountain solutions.
h. The total controlled organic compound emission rate for all inks and fountain solutions, in pounds, per month (for calculation method refer to section V.1.b.).
i. The rolling, 12-month summation of the total controlled organic compound emissions, in pounds, beginning after the first 12 calendar months following the issuance of this permit.

3. The permittee shall collect and record the following information each month for the cleanup material employed in this emissions unit:

a. The company identification for the cleanup material employed.
b. The number of gallons of cleanup material employed.
c. The organic compound content of the cleanup material, in pounds per gallon.
d. The total potential organic compound emission rate for the cleanup material, in pounds, i.e., the summation of (b) X (c) for all cleanup materials.
e. The total controlled organic compound emission rate for all cleanup materials, in pounds, per month (for calculation method refer to section V.1.c.).
f. The rolling, 12- month summation of the total organic compound emissions, in pounds, beginning after the first 12 calendar months following the issuance of this permit. (refer to Section V.1.c for calcualtion methodology).

III. Monitoring and/or Record Keeping Requirements (continued)

4. The permittee shall maintain monthly records of the following information:

a. The total ink (pounds), fountain solution (gallons), and cleanup (gallons) usages for each month.

b. Beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the total ink (pounds), fountain solution (gallons), and cleanup (gallons) usage figures.

Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative ink (pounds), fountain solution (gallons), and cleanup (gallons) usage for each calendar month.

IV. Reporting Requirements

1. In accordance with paragraph B.2 of the General Terms and Conditions, the permittee shall submit deviation (excursion) reports which include the following information:

a. All 3-hour blocks of time (when the emissions unit was in operation) during which the average temperature of the exhaust gases immediately before the catalyst bed was more than 50 degrees Fahrenheit below the average temperature of the exhaust gases during the most recent performance test that demonstrated the emissions unit was in compliance.

b. All 3-hour blocks of time (when the emissions unit was in operation) during which the average temperature difference across the catalyst bed was less than 80 percent of the average temperature difference during the most recent performance test that demonstrated the emissions unit was in compliance.

c. All exceedances of the rolling 12-month usage limitations and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative ink (pounds), fountain solution (gallons), and cleanup (gallons) usages.

d. All exceedances of the rolling 12-month organic compound emission limitation, excluding cleanup (beginning the 13th calendar month after issuance of this permit).

e. All exceedances of the rolling 12-month organic compound emission limitation for cleanup (beginning the 13th calendar month after issuance of this permit).

2. The permittee also shall submit quarterly summaries which include a log of the downtime for the control device and monitoring equipment, when the associated emissions unit was in operation. These summaries shall be submitted on the same time schedule as the deviation reports.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation-
1.22 lbs/hr OC, excluding cleanup

Applicable Compliance Method-
Compliance shall be determined by multiplying the maximum hourly ink and fountain solution usages, respectively, by the maximum VOC contents of the inks and fountain solutions employed in this emissions unit and adding the products. The product shall then be multiplied by a factor of 1 minus the destruction efficiency from the most recent performance test that demonstrated that the emissions unit was in compliance.

V. Testing Requirements (continued)

1.b Emission Limitation-
3.37 TPY OC, excluding cleanup, based on a rolling 12-month summation

Applicable Compliance Method-
The determination of the monthly organic compound emission rate from the inks and fountain solution shall be in accordance with the record keeping requirements as specified in Section B.III.2. and the calculation methodology specified below. After the first twelve calendar months of operation following the issuance of this permit, compliance with this annual organic compound emission limit shall be based on a rolling 12-month summation.

i. The total potential organic compound emission rate from the inks (pounds), as required to be recorded in section B.III.2.f., shall be multiplied by a factor of 0.80. The product shall then be multiplied by a factor of 1 minus the destruction efficiency from the most recent performance test that demonstrated that the emissions unit was in compliance.
ii. The total potential organic compound emission rate from the fountain solutions (pounds), as required to be recorded in section B.III.2.g., shall be multiplied by a factor of 0.70. The product shall then be multiplied by a factor of 1 minus the destruction efficiency from the most recent performance test that demonstrated that the emissions unit was in compliance.
iii. The total organic compound usage rate from the fountain solutions, as required to be recorded in Section B.III.2.g., shall be multiplied by a factor of 0.30.
iv. The total monthly organic compound emission rate, excluding cleanup, shall be the sum of the products from (i), (ii), and (iii) divided by 2000 lbs/ton.
v. The monthly organic compound emission rates, excluding cleanup, shall then be summed, as a rolling 12-month summation.

* Per DAPC guidance, the following assumptions will be used in calculating the OC emissions for this emissions unit: 20 percent of the the ink solvent is retained in the web and the remaining 80 percent is vented to the catalytic incinerator. 30 percent of the fountain solution emissions is fugitive, and 70 percent is vented to the catalytic incinerator. Until additional emission tests are conducted, the destruction efficiency of 95% shall be used in this calculation.

1.c Emission Limitation-
2.64 TPY OC, cleanup, based on a rolling 12-month summation

Applicable Compliance Method-
The determination of the monthly organic compound emission rate from cleanup shall be in accordance with the record keeping requirements as specified in Section B.III.3. and the calculation methodology specified below. After the first twelve calendar months of operation following the issuance of this permit, compliance with this annual organic compound emission limit shall be based on a rolling 12-month summation.

i. The total potential monthly organic compound usage rate from cleanup (pounds), as required to be recorded in section B.III.3.d., shall be multiplied by a factor of 0.50 (50% fugitive emission release), and divided by 2000 lbs/ton.

ii. The monthly organic compound emission rates, for cleanup, shall then be summed, as a rolling 12-month summation

*Per DAPC guidance, the cleanup operations can assume 50% of the solvent is retained in the cloths and 50% is emitted as fugitive, if the solvent has a vapor pressure of 10 mmHg or lower at 20 degrees Celsius (68 deg F.). If the cleanup solvent does not have a vapor pressure of 10 mmHg or lower at 20 degrees Celsius (68 deg F.), then 100% of the solvent shall be counted toward fugitive emissions.

2. USEPA Method 24A shall be used to determine the VOC contents for the inks, fountain solutions and cleanup materials. If, pursuant to section 4.3 of method 24A, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24A cannot be used for a particular ink, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that ink to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24A.

V. Testing Requirements (continued)

3.a The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

i. The emissions testing shall be conducted approximately 12 months after permit issuance and within 6 months prior to permit renewal.

ii. The emissions testing shall be conducted to demonstrate compliance with the destruction efficiency limitation for organic compounds and the allowable mass emission rate for OC.

iii. The following test method shall be employed to demonstrate compliance with the destruction efficiency limitation: for OC, Method 25 or 25A of 40 CFR Part 60, Appendix A. The test method which must be employed to demonstrate compliance with the destruction efficiency limitation for OC is specified below.

iv. The tests shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

v. The destruction efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10. The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.

3.b Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: 966 A PRESS (K005)

Activity Description: LITHOGRAPHIC WEB OFFSET HEATSET PRINTING PRESS (HARRIS GRAPHICS N900 III - 5 UNITS)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Heatset Web Offset Printing Line (HWOPL) 966 A with thermal incinerator	OAC rule 3745-21-07(G)	See A.II.1

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, the Ohio EPA field office. Such notification shall include information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emission limits and/or control requirements as defined in OAC 3745-21-07(G)(2). This notification, at a minimum, shall include the company identification of the new material to be employed, the solvent composition of the material, and the maximum amount to be used, in pounds per hour.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month:

a. the company identification of each ink, fountain solution and cleanup material employed in this emissions unit, and

b. whether or not each ink, fountain solution and cleanup material employed is a photochemically reactive material.

IV. Reporting Requirements

1. The permittee shall submit deviation reports which identify the days during which photochemically reactive materials were employed in this emissions unit. Each report shall identify the cause for the use of the photochemically reactive material(s), and the estimated total quantity of material(s) emitted during each such day, in pounds. Each report shall be submitted to the Director (appropriate DO or LAA) within 30 days of the deviation.

V. Testing Requirements

1. Formulation data or USEPA Method 24 shall be used to determine the organic compound contents of the inks, fountain solutions and cleanup materials.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Heatset Web Offset Printing Line (HWOPL) 966 A with thermal incinerator	OAC rule 3745-31-05 PTI# 08-2674	1.22 lbs/hr and 6.25 TPY organic compounds, excluding cleanup 5.12 TPY organic compounds from cleanup minimum destruction efficiency of 95% for thermal incineration The above tons/yr limitations are rolling, 12-month summations, as calculated in section B.V.1.b.

2. Additional Terms and Conditions

2.a The 1.22 lbs OC/hour limit was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.

II. Operational Restrictions

1. The dryer-related organic compound emissions from this emissions unit, K005, shall be controlled at all times through the use of a catalytic incinerator. The control efficiency of the incinerator shall reduce emissions of organic materials such that 95% or more of the carbon in the organic material is incinerated.

II. Operational Restrictions (continued)

2.a The maximum annual ink, fountain solution, and cleanup usages for this emissions unit shall not exceed 635,000 pounds, 3850 gallons, and 2500 gallons, respectively, based upon rolling, 12-month summations of the ink, fountain solution, and cleanup usage figures.

To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the ink, fountain solution, and cleanup usage levels specified in the following table:

Month(s)	Max. Allowable Cum. Ink Usage (in pounds)	Max. Allowable Cum. Fountain Solution Usage (in gallons)	Max. Allowable Cum. Cleanup Usage (in gallons)
1	52,916.67	320.83	208.33
1-2	105,833.34	641.66	416.66
1-3	158,750.00	962.49	624.99
1-4	211,666.68	1,283.32	833.32
1-5	264,583.35	1,604.15	1,041.65
1-6	317,500.00	1,924.98	1,249.98
1-7	370,416.69	2,245.81	1,458.31
1-8	423,333.36	2,566.64	1,666.64
1-9	476,250.00	2,887.47	1,874.97
1-10	529,166.70	3,208.30	2,083.30
1-11	582,083.37	3,529.13	2,291.63
1-12	635,000.00	3,850.00	2,500.00

2.b After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual usage limitations specified in Section B.II.2.a shall be based upon rolling, 12-month summations of the ink, fountain solution, and cleanup usage figures.

3. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

4. The hand wash cleanup material is used to clean rollers and blankets and for other general purposes. The cleanup cloths shall be stored in closed containers.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

a. All 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

b. A log of the downtime for the control device and monitoring equipment, when the associated emissions unit was in operation.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall collect and record the following information each month for the inks and fountain solutions employed in this emissions unit:

a. The company identification for each ink and fountain solution employed.
b. The amount of each ink employed (in pounds).
c. The number of gallons of each fountain solution employed.
d. The organic compound content of each ink, in percent by weight.
e. The organic compound content of each fountain solution, in pounds per gallon.
f. The total potential organic compound emissions rates for all inks, in pounds, i.e., the summation of (b) X (d) for all inks.
g. The total potential organic compound emissions rate for all fountain solutions, in pounds, i.e., the summation of (c) X (e) for all fountain solutions.
h. The total controlled organic compound emission rate for all inks and fountain solutions, in pounds, per month (for calculation method refer to section V.1.b.).
i. The rolling, 12-month summation of the total controlled organic compound emissions, in pounds, beginning after the first 12 calendar months following the issuance of this permit.

3. The permittee shall collect and record the following information each month for the cleanup material employed in this emissions unit:

a. The company identification for the cleanup material employed.
b. The number of gallons of cleanup material employed.
c. The organic compound content of the cleanup material, in pounds per gallon.
d. The total potential organic compound emission rate for the cleanup material, in pounds, i.e., the summation of (b) X (c) for all cleanup materials.
e. The total controlled organic compound emission rate for all cleanup materials, in pounds, per month (for calculation method refer to section V.1.c.).
f. The rolling, 12- month summation of the total organic compound emissions, in pounds, beginning after the first 12 calendar months following the issuance of this permit. (refer to Section V.1.c for calcualtion methodology).

4. The permittee shall maintain monthly records of the following information:

a. The total ink (pounds), fountain solution (gallons), and cleanup (gallons) usages for each month.

b. Beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the total ink (pounds), fountain solution (gallons), and cleanup (gallons) usage figures.

Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative ink (pounds), fountain solution (gallons), and cleanup (gallons) usage for each calendar month.

IV. Reporting Requirements

1. In accordance with paragraph B.2 of the General Terms and Conditions, the permittee shall submit deviation (excursion) reports which include the following:

a. All 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

b. All exceedances of the rolling 12-month limitations and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative ink (pounds), fountain solution (gallons), and cleanup (gallons) usages;

c. All exceedances of the rolling 12-month organic compound emission limitation, excluding cleanup (beginning the 13th calendar month after issuance of this permit); and

d. All exceedances of the rolling 12-month organic compound emission limitation for cleanup (beginning the 13th calendar month after issuance of this permit).

2. The permittee also shall submit quarterly summaries which include a log of the downtime for the control device and monitoring equipment, when the associated emissions unit was in operation. These summaries shall be submitted on the same time schedule as the deviation reports.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation-
1.22 lbs/hr OC, excluding cleanup

Applicable Compliance Method-
Compliance shall be determined by multiplying the maximum hourly ink and fountain solution usages, respectively, by the maximum VOC contents of the inks and fountain solutions employed in this emissions unit and adding the products. The product shall then be multiplied by a factor of 1 minus the destruction efficiency from the most recent performance test that demonstrated that the emissions unit was in compliance.

1.b Emission Limitation-
6.25 TPY OC, excluding cleanup, based on a rolling 12-month summation

Applicable Compliance Method-
The determination of the monthly organic compound emission rate from the inks and fountain solution shall be in accordance with the record keeping requirements as specified in Section B.III.2. and the calculation methodology specified below. After the first twelve calendar months of operation following the issuance of this permit, compliance with this annual organic compound emission limit shall be based on a rolling 12-month summation.

i. The total potential organic compound emission rate from the inks (pounds), as required to be recorded in section B.III.2.f., shall be multiplied by a factor of 0.80. The product shall then be multiplied by a factor of 1 minus the destruction efficiency from the most recent performance test that demonstrated that the emissions unit was in compliance.
ii. The total potential organic compound emission rate from the fountain solutions (pounds), as required to be recorded in section B.III.2.g., shall be multiplied by a factor of 0.70. The product shall then be multiplied by a factor of 1 minus the destruction efficiency from the most recent performance test that demonstrated that the emissions unit was in compliance.
iii. The total organic compound usage rate from the fountain solutions, as required to be recorded in Section B.III.2.g., shall be multiplied by a factor of 0.30.
iv. The total monthly organic compound emission rate, excluding cleanup, shall be the sum of the products from (i), (ii), and (iii) divided by 2000 lbs/ton.
v. The monthly organic compound emission rates, excluding cleanup, shall then be summed, as a rolling 12-month summation.

V. Testing Requirements (continued)

* Per DAPC guidance, the following assumptions will be used in calculating the OC emissions for this emissions unit: 20 percent of the the ink solvent is retained in the web and the remaining 80 percent is vented to the catalytic incinerator. 30 percent of the fountain solution emissions is fugitive, and 70 percent is vented to the catalytic incinerator. Until additional emission tests are conducted, the destruction efficiency of 90% shall be used in this calculation.

1.c Emission Limitation-
5.12 TPY OC, cleanup, based on a rolling 12-month summation

Applicable Compliance Method-
The determination of the monthly organic compound emission rate from cleanup shall be in accordance with the record keeping requirements as specified in Section B.III.3. and the calculation methodology specified below. After the first twelve calendar months of operation following the issuance of this permit, compliance with this annual organic compound emission limit shall be based on a rolling 12-month summation.

i. The total potential monthly organic compound usage rate from cleanup (pounds), as required to be recorded in section B.III.3.d., shall be multiplied by a factor of 0.60 (60% fugitive emission release), and divided by 2000 lbs/ton.

ii. The total potential monthly organic compound usage rate, from cleanup (pounds), as required to be recorded in section B.III.3.d., shall be multiplied by a factor of 0.40 (40% solvent to the dryer). The product shall then be multiplied by a factor of 1 minus the destruction efficiency from the most recent performance test that demonstrated that the emission unit was in compliance.

iii. The total monthly organic compound emission rate, for cleanup, shall be the sum of the products from (i) and (ii) divided by 2000 lbs/ton.

iv. The annual organic compound emission rate, for cleanup, shall then be summed, as a rolling 12-month summation.

*Per DAPC guidance, the automatic blanket wash systems can assume 40% of the solvent goes to the dryer and 60% is emitted as fugitive.

2. USEPA Method 24A shall be used to determine the VOC contents for the inks, fountain solutions and cleanup materials. If, pursuant to section 4.3 of method 24A, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24A cannot be used for a particular ink, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that ink to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24A.

V. Testing Requirements (continued)

3.a The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

i. The emissions testing shall be conducted approximately 12 months after permit issuance and within 6 months prior to permit renewal.

ii. The emissions testing shall be conducted to demonstrate compliance with the destruction efficiency limitation for organic compounds and the allowable mass emission rate for OC.

iii. The following test method shall be employed to demonstrate compliance with the destruction efficiency limitation: for OC, Method 25 or 25A of 40 CFR Part 60, Appendix A. The test method which must be employed to demonstrate compliance with the destruction efficiency limitation for OC is specified below.

iv. The tests shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

v. The destruction efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10. The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.

3.b Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: C-150 PRESS (K006)

Activity Description: LITHOGRAPHIC WEB OFFSET HEATSET PRINTING PRESS (ROCKWELL/GOSS C-150 - 12 UNITS)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Heatset Web Offset Printing Line (HWOPL) C-150 with thermal incinerator	OAC rule 3745-21-07(G)	See A.II.1

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, the Ohio EPA field office. Such notification shall include information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emission limits and/or control requirements as defined in OAC 3745-21-07(G)(2). This notification, at a minimum, shall include the company identification of the new material to be employed, the solvent composition of the material, and the maximum amount to be used, in pounds per hour.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month:

a. the company identification of each ink, fountain solution and cleanup material employed in this emissions unit, and

b. whether or not each ink, fountain solution and cleanup material employed is a photochemically reactive material.

IV. Reporting Requirements

1. The permittee shall submit deviation reports which identify the days during which photochemically reactive materials were employed in this emissions unit. Each report shall identify the cause for the use of the photochemically reactive material(s), and the estimated total quantity of material(s) emitted during each such day, in pounds. Each report shall be submitted to the Director (appropriate DO or LAA) within 30 days of the deviation.

V. Testing Requirements

1. Formulation data or USEPA Method 24 shall be used to determine the organic compound contents of the inks, fountain solutions and cleanup materials.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Heatset Web Offset Printing Line (HWOPL) C-150 with thermal incinerator	OAC rule 3745-31-05 PTI# 08-2674	0.78 lbs/hr and 2.99 TPY organic compounds, excluding cleanup 1.98 TPY organic compounds from cleanup minimum destruction efficiency of 97% for thermal incineration The above tons/yr limitations are rolling, 12-month summations, as calculated in section B.V.1.b.

2. Additional Terms and Conditions

2.a The 0.78 lbs OC/hour limit was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.

II. Operational Restrictions

1. The dryer-related organic compound emissions from this emissions unit, K006, shall be controlled at all times through the use of a catalytic incinerator. The control efficiency of the incinerator shall reduce emissions of organic materials such that 97% or more of the carbon in the organic material is incinerated.

II. Operational Restrictions (continued)

2.a The maximum annual ink, fountain solution, and cleanup usages for this emissions unit shall not exceed 448,000 pounds, 4320 gallons, and 1200 gallons, respectively, based upon rolling, 12-month summations of the ink, fountain solution, and cleanup usage figures.

To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the ink, fountain solution, and cleanup usage levels specified in the following table:

Month(s)	Max. Allowable Cum. Ink Usage (in pounds)	Max. Allowable Cum. Fountain Solution Usage (in gallons)	Max. Allowable Cum. Cleanup Usage (in gallons)
1	37,333.33	360.00	100
1-2	74,666.67	720.00	200
1-3	111,999.99	1,080.00	300
1-4	149,333.32	1,440.00	400
1-5	186,666.65	1,800.00	500
1-6	223,999.98	2,160.00	600
1-7	261,333.31	2,520.00	700
1-8	298,666.64	2,880.00	800
1-9	335,999.97	3,240.00	900
1-10	373,333.30	3,600.00	1,000
1-11	410,666.63	3,960.00	1,100
1-12	448,000.00	4,320.00	1,200

2.b After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual usage limitations specified in Section B.II.2.a shall be based upon rolling, 12-month summations of the ink, fountain solution, and cleanup usage figures.

3. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

4. The hand wash cleanup material is used to clean rollers and blankets and for other general purposes. The cleanup cloths shall be stored in closed containers.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

a. All 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

b. A log of the downtime for the control device and monitoring equipment, when the associated emissions unit was in operation.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall collect and record the following information each month for the inks and fountain solutions employed in this emissions unit:

a. The company identification for each ink and fountain solution employed.
b. The amount of each ink employed (in pounds).
c. The number of gallons of each fountain solution employed.
d. The organic compound content of each ink, in percent by weight.
e. The organic compound content of each fountain solution, in pounds per gallon.
f. The total potential organic compound emissions rates for all inks, in pounds, i.e., the summation of (b) X (d) for all inks.
g. The total potential organic compound emissions rate for all fountain solutions, in pounds, i.e., the summation of (c) X (e) for all fountain solutions.
h. The total controlled organic compound emission rate for all inks and fountain solutions, in pounds, per month (for calculation method refer to section V.1.b.).
i. The rolling, 12-month summation of the total controlled organic compound emissions, in pounds, beginning after the first 12 calendar months following the issuance of this permit.

3. The permittee shall collect and record the following information each month for the cleanup material employed in this emissions unit:

a. The company identification for the cleanup material employed.
b. The number of gallons of cleanup material employed.
c. The organic compound content of the cleanup material, in pounds per gallon.
d. The total potential organic compound emission rate for the cleanup material, in pounds, i.e., the summation of (b) X (c) for all cleanup materials.
e. The total controlled organic compound emission rate for all cleanup materials, in pounds, per month (for calculation method refer to section V.1.c.).
f. The rolling, 12- month summation of the total organic compound emissions, in pounds, beginning after the first 12 calendar months following the issuance of this permit. (refer to Section V.1.c for calcualtion methodology).

4. The permittee shall maintain monthly records of the following information:

a. The total ink (pounds), fountain solution (gallons), and cleanup (gallons) usages for each month.

b. Beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the total ink (pounds), fountain solution (gallons), and cleanup (gallons) usage figures.

Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative ink (pounds), fountain solution (gallons), and cleanup (gallons) usage for each calendar month.

IV. Reporting Requirements

1. In accordance with paragraph B.2 of the General Terms and Conditions, the permittee shall submit deviation (excursion) reports which include the following:

a. All 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

b. All exceedances of the rolling 12-month limitations and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative ink (pounds), fountain solution (gallons), and cleanup (gallons) usages;

c. All exceedances of the rolling 12-month organic compound emission limitation, excluding cleanup (beginning the 13th calendar month after issuance of this permit); and

d. All exceedances of the rolling 12-month organic compound emission limitation for cleanup (beginning the 13th calendar month after issuance of this permit).

2. The permittee also shall submit quarterly summaries which include a log of the downtime for the control device and monitoring equipment, when the associated emissions unit was in operation. These summaries shall be submitted on the same time schedule as the deviation reports.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation-
0.78 lb/hr OC, excluding cleanup

Applicable Compliance Method-
Compliance shall be determined by multiplying the maximum hourly ink and fountain solution usages, respectively, by the maximum VOC contents of the inks and fountain solution employed in this emissions unit and adding the products. The product shall then be multiplied by a factor of 1 minus the destruction efficiency from the most recent performance test that demonstrated that the emissions unit was in compliance.

1.b Emission Limitation-
2.99 TPY OC, excluding cleanup, based on a rolling 12-month summation

Applicable Compliance Method-
The determination of the monthly organic compound emission rate from the inks and fountain solution shall be in accordance with the record keeping requirements as specified in Section B.III.2. and the calculation methodology specified below. After the first twelve calendar months of operation following the issuance of this permit, compliance with this annual organic compound emission limit shall be based on a rolling 12-month summation.

i. The total potential organic compound emission rate from the inks (pounds), as required to be recorded in section B.III.2.f., shall be multiplied by a factor of 0.80. The product shall then be multiplied by a factor of 1 minus the destruction efficiency from the most recent performance test that demonstrated that the emissions unit was in compliance.
ii. The total potential organic compound emission rate from the fountain solution (pounds), as required to be recorded in section B.III.2.g., shall be multiplied by a factor of 0.70. The product shall then be multiplied by a factor of 1 minus the destruction efficiency from the most recent performance test that demonstrated that the emissions unit was in compliance.
iii. The total organic compound usage rate from the fountain solution, as required to be recorded in Section B.III.2.g., shall be multiplied by a factor of 0.30.
iv. The total annual organic compound emission rate, excluding cleanup, shall be the sum of the products from (i), (ii), and (iii) divided by 2000 lbs/ton.
v. The monthly organic compound emission rates, excluding cleanup, shall then be summed, as a rolling 12-month summation.

V. Testing Requirements (continued)

* Per DAPC guidance, the following assumptions will be used in calculating the OC emissions for this emissions unit: 20 percent of the the ink solvent is retained in the web and the remaining 80 percent is vented to the thermal incinerator. 30 percent of the fountain solution emissions is fugitive, and 70 percent is vented to the thermal incinerator. Until additional emission tests are conducted, the destruction efficiency of 97% shall be used in this calculation.

1.c Emission Limitation-
1.98 TPY OC, cleanup, based on a rolling 12-month summation

Applicable Compliance Method-
The determination of the monthly organic compound emission rate from cleanup shall be in accordance with the record keeping requirements as specified in Section B.III.3. and the calculation methodology specified below. After the first twelve calendar months of operation following the issuance of this permit, compliance with this annual organic compound emission limit shall be based on a rolling 12-month summation.

i. The total potential monthly organic compound usage rate from cleanup (pounds), as required to be recorded in section B.III.3.d., shall be multiplied by a factor of 0.60 (60% fugitive emission release), and divided by 2000 lbs/ton.

ii. The total potential monthly organic compound usage rate, from cleanup (pounds), as required to be recorded in section B.III.3.d., shall be multiplied by a factor of 0.40 (40% solvent to the dryer). The product shall then be multiplied by a factor of 1 minus the destruction efficiency from the most recent performance test that demonstrated that the emission unit was in compliance.

iii. The total monthly organic compound emission rate, for cleanup, shall be the sum of the products from (i) and (ii) divided by 2000 lbs/ton.

iv. The annual organic compound emission rate, for cleanup, shall then be summed, as a rolling 12-month summation.

*Per DAPC guidance, the cleanup operations can assume 50% of the solvent is retained in the cloths and 50% is emitted as fugitive, if the solvent has a vapor pressure of 10 mmHg or lower at 20 degrees Celsius(68 deg F.). If the cleanup solvent does not have a vapor pressure of 10 mmHg or lower at 20 degrees Celsius (68 deg F.), then 100% of the solvent shall be counted toward fugitive emissions.

2. USEPA Method 24A shall be used to determine the VOC contents for the inks, fountain solutions and cleanup materials. If, pursuant to section 4.3 of method 24A, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24A cannot be used for a particular ink, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that ink to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24A.

V. Testing Requirements (continued)

3.a The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

i. The emissions testing shall be conducted approximately 12 months after permit issuance and within 6 months prior to permit renewal.

ii. The emissions testing shall be conducted to demonstrate compliance with the destruction efficiency limitation for organic compounds and the allowable mass emission rate for OC.

iii. The following test method shall be employed to demonstrate compliance with the destruction efficiency limitation: for OC, Method 25 or 25A of 40 CFR Part 60, Appendix A. The test method which must be employed to demonstrate compliance with the destruction efficiency limitation for OC is specified below.

iv. The tests shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

v. The destruction efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10. The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.

3.b Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

VI. Miscellaneous Requirements

None

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