



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL MODIFICATION
PORTAGE COUNTY**

CERTIFIED MAIL

Street Address:

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov.
Center

Application No: 16-01949

DATE: 11/4/2003

Schneller Inc
Mark Stewart
6019 Powdermill Road
Kent, OH 44240

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, Ohio 43215

Sincerely,

Michael W. Ahern

Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA

ARAQMD



**Permit To Install
Terms and Conditions**

**Issue Date: 11/4/2003
Effective Date: 11/4/2003**

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 16-01949

Application Number: 16-01949
APS Premise Number: 1667040015
Permit Fee: **\$100**
Name of Facility: Schneller Inc
Person to Contact: Mark Stewart
Address: 6019 Powdermill Road
Kent, OH 44240

Location of proposed air contaminant source(s) [emissions unit(s)]:
**6019 Powdermill Rd
Kent, Ohio**

Description of proposed emissions unit(s):
Administrative modification of PTI 16-01949 issued final on 1/6/2000 to change the emission limitation for 40 CFR Part 60, subpart FFF and report due dates required by 40 CFR Part 63, subpart KK.

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency



Director

Part I - GENERAL TERMS AND CONDITIONS**A. State and Federally Enforceable Permit To Install General Terms and Conditions****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, 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.
- 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 of federally enforceable 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 made to the appropriate Ohio EPA District Office or local air agency. 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. See B.9 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. 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 shall be submitted pursuant to 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 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. The permittee shall pay all applicable Permit To Install fees within 30 days after the issuance of this Permit To Install.

8. 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.

9. Compliance Requirements

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this 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 ORC section 3704.08.
 - 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.

10. Permit To Operate Application

- a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).
- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit.

11. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

12. 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.

B. State Only Enforceable Permit To Install General Terms and Conditions**1. Compliance Requirements**

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping of state-only enforceable 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 state-only required 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. 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.

4. Termination of Permit To Install

This permit to install shall terminate within eighteen months of the effective date of the permit to install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete

within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

5. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

6. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

7. Applicability

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

8. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit To Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

9. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable 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.

C. Permit To Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

**SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons Per Year</u>
VOC	64.14

Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions

None.

B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions

None.

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
K001 - Reverse roll coater and rotogravure printing - 80 line coater (Modified).	OAC rule 3745-31-05(D)	20.3 lbs/hr volatile organic compounds (VOC) for coatings
		60.9 TPY of VOC, as a rolling 12-month summation for coatings
		3.24 TPY of VOC, as a rolling 12-month summation for cleanup materials
		See A.I.2.a, A.II.2, and A.II.3 below.
	OAC rule 3745-21-09(B)(6)	The limit required by this rule is less stringent than A.I.2.a below.
	OAC rule 3745-21-09(H)	The limit required by this rule is less stringent than A.I.2.a below.
	40 CFR Part 60, subpart FFF	On and after the date on which the performance test required by section 60.8 of 40 CFR Part 60 has been completed, the permittee shall reduce the VOC emissions to the atmosphere by 85 percent from each affected facility.
	40 CFR Part 63, subpart KK	This emissions unit shall demonstrate compliance with 40 CFR Part 63, subpart KK by meeting the requirements of 40 CFR 63.821(a)(2)(ii) as outlined in sections A.I.2.b and A.III.5 below.

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2. Additional Terms and Conditions

- 2.a** The thermal incinerator shall achieve a control (destruction) efficiency which is at least 96 percent, by weight, and a capture efficiency shall be at least 98.2 percent, by weight for volatile organic compounds.
- 2.b** The sum of the total mass of inks, coatings, varnishes, adhesives, primers, solvents, thinners, reducers, and other materials applied by the press using product and packaging rotogravure work stations in each month shall never exceed five percent, by weight, of the total mass of inks, coatings, varnishes, adhesives, primers, solvents, thinners, reducers, and other materials applied by the press in that month, including all inboard and outboard stations.

II. Operational Restrictions

1. 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.
2. The maximum annual operating hours* for this emissions unit shall not exceed 6000, based upon a rolling, 12-month summation of the operating hours.

To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the operating hours levels specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Operating Hours</u>
1	500
1-2	1000
1-3	1500
1-4	2000
1-5	2500
1-6	3000
1-7	3500
1-8	4000
1-9	4500
1-10	5000

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Emissions Unit ID: **K001**

1-11

5500

1-12

6000

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After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual operating hours limitation shall be based upon a rolling, 12-month summation of the operating hours.

* Annual operating hours does not include cleanup time.

3. The maximum annual cleanup material usage for this emissions unit shall not exceed 3.24 tons, based upon a rolling, 12-month summation of the cleanup material 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 cleanup material usage levels specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Cleanup Material Usage (tons)</u>
1	0.27
1-2	0.54
1-3	0.81
1-4	1.08
1-5	1.35
1-6	1.62
1-7	1.89
1-8	2.16
1-9	2.43
1-10	2.70
1-11	2.97
1-12	3.24

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual cleanup material usage limitation shall be based upon a rolling, 12-month summation of the cleanup material usage figures.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each day for the coating line:
 - a. the name and identification number of each coating, as applied;
 - b. the VOC content of each coating, in pounds per gallon, as applied;

- c. the number of gallons of each coating employed;
 - d. the total uncontrolled VOC emissions from all coatings, in pounds per day;
 - e. the calculated, controlled VOC emission rate for all coatings, in pounds per day (the controlled emission rate shall be calculated using the overall control efficiency for the control equipment as determined during the most recent emission test that demonstrated that the emissions unit was in compliance);
 - f. the total number of hours the emissions unit was in operation; and
 - g. the average hourly VOC emissions rate for all coatings in pound(s) per hour (i.e., (e)/(f)).
2. The permittee shall maintain monthly records of the following information:
- a. the cleanup material usage for each month in tons;
 - b. beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the cleanup material usage figures;
 - c. the operating hours for each month;
 - d. beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the operating hours;
 - e. the calculated, controlled VOC emission rate from all coatings, in tons per month (the sum of the daily values from Section A.III.1.e of these terms and conditions, then divided by 2000); and
 - f. beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the emissions of VOC for coatings.
- Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative cleanup material usage and the cumulative operating hours for each calendar month.
3. 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.

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Emissions Unit ID: **K001**

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

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- Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.
- b. A log of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.
4. The permittee of an affected facility controlled by a thermal incineration emission control device shall install, calibrate, operate, and maintain a monitoring device that continuously measures and records the temperature of the control device exhaust gases and shall comply with the following requirements:
 - a. The continuous monitoring device shall be calibrated annually and have an accuracy of plus or minus 0.75 percent of the temperature being measured, expressed in degrees Celsius, or plus or minus 2.5 degrees Celsius, whichever is greater.
 - b. During the performance test, the permittee shall determine and record the average temperature of the control device exhaust gases. After the performance test, the permittee shall determine and record, in addition to the record made by the continuous monitoring device, the average temperature for each 3-hour clock period of printing operation when the average temperature of the exhaust gases is more than 28 degrees Celsius (50 degrees Fahrenheit) below the average temperature demonstrated during the most recent performance test.
 5. The permittee of an affected facility shall record time periods of operation when an emission control device is not in use.
 6. In order to determine compliance with section A.I.2.b above, the permittee shall maintain the following records for five years and submit them to the Administrator upon request:
 - a. the total mass of each material applied each month on the press, including all inboard and outboard stations;
 - b. the total mass of each material applied each month on the press by the product and packaging rotogravure printing operations; and
 - c. the weight percent of materials applied on the press by the product and packaging rotogravure printing operations (i.e., (b)/(a) times 100).

IV. Reporting Requirements

Emissions Unit ID: **K001**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month cleanup material usage limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative cleanup material usage levels. These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(1).
 2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month operating hours limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative operating hours levels. These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(1).
 3. The permittee shall submit quarterly summaries of the following records:
 - a. A log of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit; and
 - b. All 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, does not comply with the temperature limitation specified above.
- These quarterly reports shall be submitted by April 30, July 31, October 31, and January 31, and shall cover the records for the previous calendar quarters.
4. The permittee shall submit on a semiannual basis deviation (excursion) reports which include an identification of each month during which the weight-percent of materials applied on the press by the product and packaging rotogravure printing operations exceeded 5 percent, and the actual weight-percent of each such month. These reports shall be submitted by January 31 and July 31 of each year to the Administrator.
 5. The performance test data and results from the performance test to show compliance with 85 percent reduction in VOC emissions to the atmosphere from the affected source shall be submitted to the Administrator as specified in 40 CFR Section 60.8(a).
 6. The permittee of each affected facility shall submit semiannual reports to the Administrator of drops in the incinerator temperature as defined under section A.III.4.b of these terms and conditions. These reports shall be postmarked within 30 days following the end of the second and fourth calendar quarters.
 7. The permittee shall submit deviation (excursion) reports which include an identification of each day during which the VOC emissions exceeded 20.3 lbs/hr, and the actual average hourly VOC emissions for each such day. These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(1).

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Emissions Unit ID: **K001**

8. The permittee shall submit deviation (excursion reports which identify all exceedances of the rolling 12-month emission limitation for VOC for coatings. These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(1).

V. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 90 days after issuance of this permit.
 - b. The emission testing shall be conducted to demonstrate compliance with the capture efficiency and control efficiency limitations for VOC
 - c. The test method(s) which must be employed to demonstrate compliance with the capture efficiency and control efficiency limitations for VOC are specified below. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
 - i. The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's "Guidelines for Determining Capture Efficiency," dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.)
 - ii. The control 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."
 - d. The test(s) 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.
2. 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

Schneller Inc

PTI Application: 16-01040

Modif

Facility ID: 1667040015

Emissions Unit ID: **K001**

results of the emission test(s).

3. 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

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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.

4. 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). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.
5. Methods in appendix A of 40 CFR Part 60, except as provided under section 60.8(b) of 40 CFR Part 60, shall be used to determine compliance with 85 percent reduction in VOC emissions to the atmosphere as follows:
 - a. Method 25A for VOC concentration (the calibration gas shall be propane);
 - b. Method 1 for sample and velocity traverses;
 - c. Method 2 for velocity and volumetric flow rates;
 - d. Method 3 for gas analysis; and
 - e. Method 4 for stack gas moisture.
6. To demonstrate compliance with 85 percent reduction in VOC emissions to the atmosphere, the permittee of an affected facility controlled by a solvent recovery emission control device or an incineration control device shall conduct a performance test to determine overall VOC emission control efficiency according to the following procedures:
 - a. The performance test shall consist of three runs. Each test run must last a minimum of 30 minutes and shall continue until the printing operation is interrupted or until 180 minutes of continuous operation occurs. During each test run, the print line shall be printing continuously and operating normally. The VOC emission reduction efficiency achieved for each test run is averaged over the entire test run period.
 - b. VOC concentration values at each site shall be measured simultaneously.
 - c. The volumetric flow rate shall be determined from one Method 2 measurement for each test run conducted immediately prior to, during, or after that test run. Volumetric flow rates at each site do not need to be measured simultaneously.

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- d. In order to determine capture efficiency from an affected facility, all fugitive VOC emissions from the affected facility shall be captured and vented through stacks suitable for measurement. During a performance test, the permittee of an affected facility located

in an area with other sources of VOC shall isolate the affected facility from other sources of VOC. These two requirements shall be accomplished using one of the following methods:

- i. Build a permanent enclosure around the affected facility;
 - ii. Build a temporary enclosure around the affected facility and duplicate, to an extent that is reasonably feasible, the ventilation conditions that are in effect when the affected facility is not enclosed (one way to do this is to divide the room exhaust rate by the volume of the room and then duplicate that quotient or 20 air changes per hour, whichever is smaller, in the temporary enclosure); or
 - iii. Shut down all other sources of VOC and continue to exhaust fugitive emissions from the affected facility through any building ventilation system and other room exhausts such as print line ovens and embossers.
- e. For each affected facility, compliance with 85 percent reduction in VOC emissions to the atmosphere has been demonstrated if the average value of the overall control efficiency (EF) for the three runs is equal to or greater than 85 percent. An overall control efficiency is calculated for each run as follows:

- i. For efficiency of the emission control device,

$$E = \frac{[(\text{the summation of } (Q_{bi} \times C_{bi}) \text{ from } i=1 \text{ to } n) - (\text{the summation of } (Q_{aj} \times C_{aj}) \text{ from } j=1 \text{ to } n)]}{[(\text{the summation of } (Q_{bi} \times C_{bi}) \text{ from } i=1 \text{ to } n)]}$$

- ii. For efficiency of the vapor capture system,

$$F = \frac{[(\text{the summation of } (Q_{bi} \times C_{bi}) \text{ from } i=1 \text{ to } n)]}{[(\text{the summation of } (Q_{bi} \times C_{bi}) \text{ from } i=1 \text{ to } n) + (\text{the summation of } (Q_{fk} \times C_{fk}) \text{ from } k=1 \text{ to } p)]}$$

Where:

E = the VOC emission reduction efficiency (as a fraction) of the emission control device during performance testing.

F = the VOC emission capture efficiency (as a fraction) of the vapor capture system during performance testing.

Q_{bi} = the volumetric flow rate of each effluent gas stream (i) entering the emission

control device, in standard cubic meters per hour.

C_{bi} = the concentration of VOC in each gas stream (i) for the time period entering the emission control device, in parts per million by volume.

Q_{aj} = the volumetric flow rate of each effluent gas stream (j) exiting the emission control device, in standard cubic meters per hour.

C_{aj} = the concentration of VOC in each gas stream (j) for the time period exiting the emission control device, in parts per million by volume.

Q_{fk} = the volumetric flow rate of each effluent gas stream (k) not directed to an emission control device, in standard cubic meters per hour.

C_{fk} = the concentration of VOC in each gas stream (k) for the time period which is not directed to an emission control device, in parts per million by volume.

7. The rotogravure print station and the reverse roll coater can not be operated simultaneously. If the permittee can document that the reverse roll coater is a worst-case scenario and the testing requirements in A.V.5 and A.V.6 above are met and as long as Ohio EPA is in agreement that testing the reverse roll coater will satisfy the testing to show compliance with 40 CFR Part 60, Subpart FFF for the rotogravure print station, then the permittee will not have to do an addition stack test while the rotogravure print station is operating.
8. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation
60.9 TPY of VOC, as a rolling 12-month summation for coatings

Applicable Compliance Method

Compliance shall be demonstrated in accordance with the record keeping as required by Section A.III.2 of these terms and conditions.
 - b. Emission Limitation
96 percent control efficiency, by weight

98.2 percent capture efficiency, by weight.

Applicable Compliance Method

Compliance with the control efficiency and capture efficiency shall be determined in accordance with test methods and procedures specified in Sections A.V.1 through A.V.4 of these terms and conditions.

c. Emission Limitation

5 percent, by weight, materials applied on the press by the product and packaging rotogravure printing operations

Applicable Compliance Method

Compliance shall be demonstrate in accordance with the monthly record keeping of the total mass of each material applied on the press and on the press by the product and packaging rotogravure printing operations as required by Section A.III.5 of these terms and conditions.

d. Emission Limitation

The permittee shall reduce the VOC emissions to the atmosphere by 85 percent from each affected facility

Applicable Compliance Method

Compliance with the emission limitation shall be determined in accordance with test methods and procedures specified in sections A.V.5 through A.V.7 above.

e. Emission Limitation

20.3 lbs/hr of VOC for coatings

Applicable Compliance Method

Compliance shall be demonstrated in accordance with the record keeping of coating usage, VOC content of each coating, and the operating hours per day as required in Section A.III.1 of these terms and conditions. US EPA Methods 24 or 24A shall be used to determine the VOC content for each coating.

f. Emission Limitation

3.24 TPY of VOC, as a rolling 12-month summation for cleanup materials

Applicable Compliance Method

Compliance shall be demonstrated in accordance with the monthly record keeping as

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required in Section A.III.2 of these terms and conditions.

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VI. Miscellaneous Requirements

1. The terms and conditions in this permit to install 16-1949 shall supersede all the air pollution control requirements for K001 in permits to install 16-1601 and 16-659.

B. State Only Enforceable Section**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(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 specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
K001 - Reverse roll coater and rotogravure printing - 80 line coater (Modified).	OAC rule 3745-31-05(A)(3)	See A.I.1 above.

2. Additional Terms and Conditions

- 2.a None.

II. Operational Restrictions

None.

III. Monitoring and/or Recordkeeping Requirements

None.

IV. Reporting Requirements

None.

V. Testing Requirements

None.

VI. Miscellaneous Requirements

None.