



INTERMEDIATE STATE PERMIT TO OPERATE

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to operate the air contaminant source(s) described below, in accordance with the laws, rules, and conditions set forth here in.

Intermediate Operating Permit Number: OP2008-041
Expiration Date: SEP 11 2013
Installation ID: 047-0122
Project Number: 2007-02-054

Installation Name and Address

R.R Donnelley - Liberty
3401 Heartland Drive
Liberty, MO 64068
Clay County

Parent Company's Name and Address

Banta Corporation
3300 North Arlington Heights Rd.
Arlington Heights, IL 60004-1540

Installation Description:

The installation operates several offset printing presses to print magazines and direct mail pieces. The installation has accepted a voluntary limit on volatile organic compounds (VOCs) to obtain this Intermediate Operating Permit.

SEP 12 2008

Effective Date

Director or Designee
Department of Natural Resources

FFJLR

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I. Installation Description and Equipment Listing

INSTALLATION DESCRIPTION

The installation operates several offset printing presses to print magazines and direct mail pieces. The installation has accepted a voluntary limit on volatile organic compounds (VOCs) to obtain this Intermediate Operating Permit.

The installation consists of seven heat set presses. All presses are controlled by one regenerative thermal oxidizer.

Reported Air Pollutant Emissions, tons per year							
Year	Particulate Matter ≤ Ten Microns (PM-10)	Sulfur Oxides (SO _x)	Nitrogen Oxides (NO _x)	Volatile Organic Compounds (VOC)	Carbon Monoxide (CO)	Lead (Pb)	Hazardous Air Pollutants (HAPs)
2007	0.27	0.01	2.23	47.84	1.87	--	--
2006	0.16	0.01	1.32	50.54	1.1	--	--
2005	0.08	0.006	0.99	31.16	0.83	--	--
2004	0.16	--	1.84	32.64	1.54	--	--
2003	0.18	--	1.6	28.15	1.34	--	--

The installation emits HAPs and reports them as VOCs, in accordance with 10 CSR 10-6.110.

EMISSION UNITS WITH LIMITATIONS

The following list provides a description of the equipment at this installation which emits air pollutants and identified as having unit-specific emission limitations.

Emission Unit Number	Description of Emission Unit
EU0010	Press number 24
EU0020	Press number 51
EU0030	Press number 82
EU0040	Press number 92
EU0050	Press number 98
EU0060	Press number 20
EU0070	Press number 23
EU0080	Pneumatic Transfer System

EMISSION UNITS WITHOUT LIMITATIONS

The following list provides a description of the equipment, which does not have unit specific limitations at the time of permit issuance.

Description of Emission Source

Inkjet Printers (14 total)	Paper Hogger	Glueing Operations
Space Heaters (total 11.29 MMBtu/hr)	Paper Baler	Emergency Backup Generator
Binding		

DOCUMENTS INCORPORATED BY REFERENCE

This permit incorporates the following documents by reference:
 Construction Permit 012007-013

II. Plant Wide Emission Limitations

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect on the date of permit issuance.

PERMIT CONDITION PW001

10 CSR 10-6.060 Construction Permits Required
Construction Permit Number 012007-013, Issued January 22, 2007

Emission Limitation:

1. The conditions of this construction permit supersede all special conditions found in the previously issued construction permits to this installation from the Air Pollution Control Program. [Special Condition 1]
2. The permittee shall emit less than ten (10) tons individually and twenty-five (25) tons combined of hazardous air pollutants (HAPs) from the entire installation in any consecutive twelve month period. [Special Condition 2A]

Operational Limitation:

1. The permittee shall keep solvents and cleaning solutions in sealed containers whenever the materials are not in use. The permittee shall provide and maintain suitable, easily read, permanent markings of all inks, solvent, and cleaning solution containers. [Special Condition 6A]
2. Cleaning cloths used with the cleanup solvents must be placed in tightly closed containers when not in use and while awaiting off-site transportation. [Special Condition 6B]

Monitoring:

1. The permittee shall monitor the emissions of HAPs.
2. The permittee shall monitor all ink, solvent, and cleaning solution containers to ensure permanent markings are suitable.

Recordkeeping:

1. The permittee shall calculate and record the installation-wide emissions of HAPs.
2. Attachments E and F contain logs including these recordkeeping requirements. These logs, or an equivalent created by the permittee, must be used to certify compliance with this requirement. [Special Condition 2B]
3. The permittee shall maintain all Material Safety Data Sheets (MSDS) for all materials. [Special Condition 2B]
4. These records shall be made available immediately for inspection to Department of Natural Resources' personnel upon request.
5. All records shall be maintained for five years.

Reporting:

1. The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which the records from Special Condition 2B indicate that the installation exceeds the limitation of Special Condition 2A. [Special Condition 2C]

2. The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any exceedance of any limitation established by this permit condition which is not detailed in Reporting Condition 1.
3. Reports of any deviations from monitoring, record keeping and reporting requirements of this permit condition shall be submitted in the annual compliance certification, as required by Section IV of this permit.

PERMIT CONDITION PW002

10 CSR 10-6.065(2)(C) and 10 CSR 10-6.065(5)(A) Voluntary Limitation(s)

Emission Limitation:

The permittee shall emit less than 100 tons of VOC in any consecutive twelve-month period.

Monitoring:

The permittee shall monitor the emissions of VOC.

Recordkeeping:

1. The permittee shall calculate and record the installation-wide emissions of VOC.
2. Attachment G contains a log including these recordkeeping requirements. This log, or an equivalent created by the permittee, must be used to certify compliance with this requirement.
3. These records shall be made available immediately for inspection to Department of Natural Resources' personnel upon request.
4. All records shall be maintained for five years

Reporting:

1. The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any exceedance of any limitation established by this permit condition.
2. Reports of any deviations from monitoring, record keeping and reporting requirements of this permit condition shall be submitted in the annual compliance certification, as required by Section IV of this permit.

III. Emission Unit Specific Emission Limitations

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect on the date of permit issuance.

EU0010-EU0070 Printing Presses			
Emission Unit	Description	Manufacturer/Model #	Control Device
EU0010	Press #24: 8 unit heatset web offset lithographic press with 7 MMBtu/hr natural gas fired dryer, 190 lbs ink/hr, Constructed 2004 (EP-9)	Heidelberg-Harris/M-1000	Regenerative Thermal Oxidizer, Mfr: L & E America, Model # TR-4093C, 5.61 MMBtu/hr natural gas fired, Constructed 2004 (EP-9)
EU0020	Press #51: 5 unit heatset web offset lithographic printing press with 1.22 MMBtu/hr natural gas fired dryer, 55 lbs ink/hr, Constructed 1991 (EP-9)	Didde/Didde Web Comperfactor	
EU0030	Press #82: 8 unit heatset web offset lithographic printing press with 8.88 MMBtu/hr natural gas fired dryer, 85 lbs ink/hr, Constructed 1991 (EP-9)	Heidelberg-Harris/ M-300	
EU0040	Press #92: 8 unit heatset web offset lithographic printing press with 9.75 MMBtu/hr natural gas fired dryer, 102 lb ink/hr, Constructed 1995 (EP-9)	Heidelberg-Harris/ M-600	
EU0050	Press #98: 8 unit heatset web offset lithographic printing press with 9.75 MMBtu/hr natural gas fired dryer, 102 lbs ink/hr, Constructed 1998 (EP-9)	Heidelberg-Harris/ M-600	
EU0060	Press #20: 5 unit heatset web offset lithographic printing press with 4.44 MMBtu/hr natural gas fired dryer, 130 lbs ink/hr, Constructed 2000 (EP-9)	Heidelberg-Harris/ M-1000BE	
EU0070	Press #23: 5 unit heatset web offset lithographic printing press with 4.08 MMBtu/hr natural gas fired dryer, 132 lbs ink/hr, Constructed 2003, (EP-9)	Heidelberg-Harris/ M-1000B	

PERMIT CONDITION (EU0010 through EU0070)-001

10 CSR 10-6.060 Construction Permits Required
 Construction Permit 012007-013, Issued January 22, 2007

Operational Limitation:

1. The natural gas fired regenerative thermal oxidizer (CD9) at the installation must be in use at all times when the associated equipment, Press 23, Press 24, Press 51, Press 82, Press 92, Press 98 (originally known as Press 93), and Press 20 (originally known as Press 99), are in operation. The RTO shall be operated and maintained in accordance with the manufacturer's specifications. The RTO shall achieve a destruction/removal efficiency of volatile organic compounds (VOCs) of at least ninety percent (90%). [Special Condition 3A]

Monitoring:

1. The operating temperature of the RTO shall be continuously monitored. The operating temperature of the RTO shall equal or exceed 1362°F. [Special Condition 3B and Stack Test]

Recordkeeping:

1. The permittee shall maintain an operating, maintenance and inspection log for the regenerative thermal oxidizer which shall include the following: [Special Condition 3C]
 - a) Incidents of malfunction(s) including the date(s) and duration of the event, the probable cause, any corrective actions taken and the impact on emissions due to the malfunction;
 - b) Any maintenance activities conducted on the unit, such as replacement of equipment, etc.; and
 - c) A written record of regular inspection schedule, the date and results of all inspections including any actions or maintenance activities that result from that inspection
2. Attachment D contains a log including these recordkeeping requirements. This log, or an equivalent created by the permittee, must be used to certify compliance with this requirement.
3. These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.
4. All records shall be maintained for five years.

Reporting:

1. The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any exceedance of any limitation established by this permit condition which is not detailed in Reporting Condition 1.
2. Reports of any deviations from monitoring, record keeping and reporting requirements of this permit condition shall be submitted in the annual compliance certification, as required by Section IV of this permit.

PERMIT CONDITION (EU0010 through EU0070)-002

10 CSR 10-2.340 Control of Emissions From Lithographic Printing Installations

Emission Limitation:

1. The permittee shall not use or permit the use of any offset lithographic printing press unless—
 - a) The fountain solution contains ten percent (10.0%) or less by weight of alcohol; or
 - b) The fountain solution contains is refrigerated to a temperature of 55 degrees Fahrenheit (°F), or less for alcohol-based solutions;
 - c) The fountain solution temperature at the mixing tank for alcohol-based solutions is monitored during each shift; and
 - d) The fountain solution mixing tanks containing are covered for alcohol-based based solutions.
2. The permittee shall not use or permit the use of any offset lithographic printing press that uses cleanup solutions containing VOCs unless—
 - a) The cleanup solutions are kept in tightly covered tanks or containers during transport and storage;
 - b) The cleaning cloths used with the cleanup solutions are placed in tightly closed containers when not in use and while awaiting off-site transportation. The cleaning cloths should be properly cleaned and disposed. The cloths, when properly cleaned or disposed, shall be processed in such a way that as much of the solvent, as practicable, is recovered for further use or is destroyed. Cleaning and disposal methods shall be approved by the director; and

- c) The permittee may use an alternate method for reducing cleanup solvent VOC emissions, including the use of low VOC cleanup solvents, if the permittee shows the emission reduction is equal to or greater than those in 10 CSR 10-2.340(3)(B)1. and 2. This alternate method must be approved by the director.

Monitoring:

1. Percent of the alcohol content of alcohol-based fountain solution by weight shall be monitored on a once per day basis. Direct measurement of the alcohol content of the fountain solution sample(s) shall be performed with a modification of the EPA Method 415.1. Alternately, a sample of the fountain solution may be taken from the fountain tray or reservoir of fountain solution during use and measured with a hydrometer or refractometer. The unit shall be considered in compliance if the refractometer or hydrometer measurement is less than or equal to the measurement obtained with a modification of EPA Method 415.1, plus ten percent (10%);
2. Determination of fountain solution temperature for refrigerated alcohol-based fountain solutions shall be monitored on a once per shift basis by a thermometer or other temperature detection device capable of reading to 0.5 degree Fahrenheit (°F);
3. The permittee shall monitor the throughputs of alcohol, inks, clean-up solvents and VOC-containing coatings and shall maintain all material safety data sheets.
4. Testing and compliance demonstrations for 10 CSR 10-2.340(3)(C) shall follow the procedures contained in Environmental Protection Agency Reference Methods 25 or 25A found in 40 CFR Part 60, Appendix A
5. Testing and compliance demonstrations for 10 CSR 10-2.340(3)(A)1. shall be based on the results from a calibrated hydrometer or refractometer.

Recordkeeping:

1. The permittee shall maintain records as required by 10 CSR 10-2.340(4) sufficient to determine continuous compliance. These records shall be kept for at least five years. These records shall be available immediately upon request for review by Department of Natural Resources' personnel and other air pollution control agencies with proper authority.
2. The permittee shall maintain records for each control device sufficient to demonstrate that the control efficiency is being maintained.
3. For each regulated printing press, records shall be maintained to show (Attachment H):
 - a) Quantity of alcohol added to alcohol-based fountain solutions of each regulated press in pounds each month;
 - b) Percent of alcohol in alcohol-based fountain solution by weight as monitored on a once per shift basis;
 - c) Results of any testing conducted on an emission unit;
 - d) The temperature of alcohol-based fountain solution as recorded on a once-per shift basis.
4. For each lithographic installation, records shall be maintained to show (Attachment I):
 - a) Properties of heatset inks as applied (determined by the manufacturer's formulation data), density of inks in pound per gallon and total VOC content in weight percent;
 - b) Quantity of heatset inks as applied to substrate in pounds on a monthly basis;
 - c) Quantity of clean-up solvents used on a monthly basis; and
 - d) Quantity of VOC-containing coatings used on a monthly basis and percent VOC in coating by weight on a formulation basis.

5. Attachments H and I contain logs including these recordkeeping requirements. These logs, or an equivalent created by the permittee, must be used to certify compliance with these requirements.

Reporting:

1. The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any exceedance of the emission limitation(s) listed above.
2. Reports of any deviations from monitoring, record keeping and reporting requirements of this permit condition shall be submitted in the annual compliance certification, as required by Section IV of this permit.

EU0080-Pneumatic Transfer System		
Emission Unit	Description	Control Device
EU0080	Paper trim collection system (EP4), MHDR=8 tons/hr	Baghouse

PERMIT CONDITION EU0080-001

10 CSR 10-6.060 Construction Permits Required
Construction Permit 012007-013, Issued January 22, 2007

Operational Limitation:

The permittee shall control emissions from the pneumatic transfer system using a baghouse as specified in the permit application. The baghouse shall be operated and maintained in accordance with the manufacturer's specifications. The baghouse shall be equipped with a gauge or meter, which indicates the pressure drop across the control device. These gauges or meters shall be located such that the DNR employees may easily observe them. Replacement filters for the baghouse shall be kept on hand at all times (for replacement of torn or broken filter). The bags shall be made of fibers appropriate for operating conditions expected to occur (i.e. temperature limits, acidic and alkali resistance, and abrasion resistance). [Special Condition 5A]

Monitoring:

The permittee shall monitor the operating pressure drop across the baghouse at least daily during operation. The operating pressure drop shall be maintained within the design conditions specified by the manufacturer's performance warranty. [Special Condition 5B]

Recordkeeping:

1. The permittee shall maintain an operating and maintenance log for the baghouse which shall include the following: [Special Condition 5C]
 - a. Incidents of malfunction, with impact on emissions, duration of event, probable cause, and corrective actions; and
 - b. Maintenance activities, with inspection schedule, repair actions, and replacements, etc
2. The permittee shall record the operating pressure drop across the baghouse at least daily during operation.
3. Attachments D and J contain logs including these recordkeeping requirements. These logs, or an equivalent created by the permittee, must be used to certify compliance with these requirements

Reporting:

Reports of any deviations from monitoring, record keeping and reporting requirements of this permit condition shall be submitted in the annual compliance certification, as required by Section IV of this permit

PERMIT CONDITION EU0080-002

10 CSR 10-6.400 Control of Emission of Particulate Matter From Industrial Processes

Emission Limitation:

1. Particulate matter shall not be emitted from EU0080 in excess of 16.5 lb/hr.
2. The concentration of particulate matter in the exhaust gases shall not exceed 0.30 gr/scf.

Monitoring/Record Keeping/Reporting:

1. The permittee shall retain the potential to emit calculations in Attachment K which demonstrate that the above emission limitations will not be exceeded.
2. The calculation shall be made available immediately for inspection to Department of Natural Resources' personnel upon request.
3. All records shall be kept for a period of five years.

PERMIT CONDITION (EU0010 through EU0070)-003 and EU0080-003

10 CSR 10-6.220 Restriction of Emissions of Visible Air Contaminants

Emission Limitation:

1. No owner or other person shall cause or permit emissions to be discharged into the atmosphere from any **new** source any visible emissions with an opacity greater than twenty percent (20%).
2. Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any sixty (60) minutes air contaminants with an opacity up to sixty percent (60%).

Monitoring/Record Keeping/Reporting:

See Core Permit Requirements.

IV. Core Permit Requirements

The installation shall comply with each of the following requirements. Consult the appropriate sections in the Code of Federal Regulations (CFR), Code of State Regulations (CSR), and local ordinances for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect on the date of permit issuance.

10 CSR 10-6.050 Start-up, Shutdown and Malfunction Conditions

- 1) In the event of a malfunction, which results in excess emissions that exceed one hour, the permittee shall submit to the director within two business days, in writing, the following information:
 - a) Name and location of installation;
 - b) Name and telephone number of person responsible for the installation;
 - c) Name of the person who first discovered the malfunction and precise time and date that the malfunction was discovered.
 - d) Identity of the equipment causing the excess emissions;
 - e) Time and duration of the period of excess emissions;
 - f) Cause of the excess emissions;
 - g) Air pollutants involved;
 - h) Best estimate of the magnitude of the excess emissions expressed in the units of the applicable requirement and the operating data and calculations used in estimating the magnitude;
 - i) Measures taken to mitigate the extent and duration of the excess emissions; and
 - j) Measures taken to remedy the situation that caused the excess emissions and the measures taken or planned to prevent the recurrence of these situations.
- 2) The permittee shall submit the paragraph 1 information list to the director in writing at least ten days prior to any maintenance, start-up or shutdown, which is expected to cause an excessive release of emissions that exceed one hour. If notice of the event cannot be given ten days prior to the planned occurrence, it shall be given as soon as practicable prior to the release. If an unplanned excess release of emissions exceeding one hour occurs during maintenance, start-up or shutdown, the director shall be notified verbally as soon as practical during normal working hours and no later than the close of business of the following working day. A written notice shall follow within ten working days.
- 3) Upon receipt of a notice of excess emissions issued by an agency holding a certificate of authority under section 643.140, RSMo, the permittee may provide information showing that the excess emissions were the consequence of a malfunction, start-up or shutdown. The information, at a minimum, should be the paragraph 1 list and shall be submitted not later than fifteen (15) days after receipt of the notice of excess emissions. Based upon information submitted by the permittee or any other pertinent information available, the director or the commission shall make a determination whether the excess emissions constitute a malfunction, start-up or shutdown and whether the nature, extent and duration of the excess emissions warrant enforcement action under section 643.080 or 643.151, RSMo.
- 4) Nothing in this rule shall be construed to limit the authority of the director or commission to take appropriate action, under sections 643.080, 643.090 and 643.151, RSMo to enforce the provisions of the Air Conservation Law and the corresponding rule.
- 5) Compliance with this rule does not automatically absolve the permittee of liability for the excess emissions reported.

10 CSR 10-6.060 Construction Permits Required

The permittee shall not commence construction, modification, or major modification of any installation subject to this rule, begin operation after that construction, modification, or major modification, or begin operation of any installation which has been shut down longer than five years without first obtaining a permit from the permitting authority.

10 CSR 10-6.065 Operating Permits

The permittee shall file a complete application for renewal of this operating permit at least six months before the date of permit expiration. In no event shall this time be greater than eighteen months. [10 CSR 10-6.065(5)(B)1.A(III)] The permittee shall retain the most current operating permit issued to this installation on-site. [10 CSR 10-6.065, §(5)(C)(1) and §(6)(C)1.C(II)] The permittee shall immediately make such permit available to any Missouri Department of Natural Resources personnel upon request. [10 CSR 10-6.065, §(5)(C)(1) and §(6)(C)3.B]

10 CSR 10-6.110 Submission of Emission Data, Emission Fees and Process Information

- 1) The permittee shall complete and submit an Emission Inventory Questionnaire (EIQ) in accordance with the requirements outlined in this rule.
- 2) The permittee shall pay an annual emission fee per ton of regulated air pollutant emitted according to the schedule in the rule. This fee is an emission fee assessed under authority of RSMo. 643.079.
- 3) The fees shall be payable to the Department of Natural Resources and shall be accompanied by the Emissions Inventory Questionnaire (EIQ) form or equivalent approved by the director.

10 CSR 10-6.130 Controlling Emissions During Episodes of High Air Pollution Potential

This rule specifies the conditions that establish an air pollution alert (yellow/orange/red/purple), or emergency (maroon) and the associated procedures and emission reduction objectives for dealing with each. The permittee shall submit an appropriate emergency plan if required by the director.

10 CSR 10-6.150 Circumvention

The permittee shall not cause or permit the installation or use of any device or any other means which, without resulting in reduction in the total amount of air contaminant emitted, conceals or dilutes an emission or air contaminant which violates a rule of the Missouri Air Conservation Commission.

10 CSR 10-6.170 Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin

- 1) The permittee shall not cause or allow to occur any handling, transporting or storing of any material; construction, repair, cleaning or demolition of a building or its appurtenances; construction or use of a road, driveway or open area; or operation of a commercial or industrial installation without applying reasonable measures as may be required to prevent, or in a manner which allows or may allow, fugitive particulate matter emissions to go beyond the premises of origin in quantities that the particulate matter may be found on surfaces beyond the property line of origin. The nature or origin of the particulate matter shall be determined to a reasonable degree of certainty by a technique proven to be accurate and approved by the director.
- 2) The permittee shall not cause nor allow to occur any fugitive particulate matter emissions to remain visible in the ambient air beyond the property line of origin.

- 3) Should it be determined that noncompliance has occurred, the director may require reasonable control measures as may be necessary. These measures may include, but are not limited to, the following:
 - a) Revision of procedures involving construction, repair, cleaning and demolition of buildings and their appurtenances that produce particulate matter emissions;
 - b) Paving or frequent cleaning of roads, driveways and parking lots;
 - c) Application of dust-free surfaces;
 - d) Application of water; and
 - e) Planting and maintenance of vegetative ground cover.

10 CSR 10-6.180 Measurement of Emissions of Air Contaminants

- 1) The director may require any person responsible for the source of emission of air contaminants to make or have made tests to determine the quantity or nature, or both, of emission of air contaminants from the source. The director may specify testing methods to be used in accordance with good professional practice. The director may observe the testing. All tests shall be performed by qualified personnel.
- 2) The director may conduct tests of emissions of air contaminants from any source. Upon request of the director, the person responsible for the source to be tested shall provide necessary ports in stacks or ducts and other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of the emission of air contaminants.
- 3) The director shall be given a copy of the test results in writing and signed by the person responsible for the tests.

10 CSR 10-6.045 Open Burning Requirements

- (1) General Provisions. The open burning of tires, petroleum-based products, asbestos containing materials, and trade waste is prohibited, except as allowed below. Nothing in this rule may be construed as to allow open burning which causes or constitutes a public health hazard, nuisance, a hazard to vehicular or air traffic, nor which violates any other rule or statute.
- (2) Refer to the regulation for a complete list of allowances. The following is a listing of exceptions to the allowances:
 - (A) Burning of household or domestic refuse. Burning of household or domestic refuse is limited to open burning on a residential premises having not more than four dwelling units, provided that the refuse originates on the same premises, with the following exceptions:
 1. Kansas City metropolitan area. The open burning of household refuse must take place in an area zoned for agricultural purposes and outside that portion of the metropolitan area surrounded by the corporate limits of Kansas City and every contiguous municipality;
 2. Springfield-Greene County area. The open burning of household refuse must take place outside the corporate limits of Springfield and only within areas zoned A-1, Agricultural District;
 3. St. Joseph area. The open burning of household refuse must take place within an area zoned for agricultural purposes and outside that portion of the metropolitan area surrounded by the corporate limits of St. Joseph; and
 4. St. Louis metropolitan area. The open burning of household refuse is prohibited;
 - (B) Yard waste, with the following exceptions:
 1. Kansas City metropolitan area. The open burning of trees, tree leaves, brush or any other type of vegetation shall require an open burning permit;

2. Springfield-Greene County area. The City of Springfield requires an open burning permit for the open burning of trees, brush or any other type of vegetation. The City of Springfield prohibits the open burning of tree leaves;
 3. St. Joseph area. Within the corporate limits of St. Joseph, the open burning of trees, tree leaves, brush or any other type of vegetation grown on a residential property is allowed during the following calendar periods and time-of-day restrictions:
 - A. A three (3)-week period within the period commencing the first day of March through April 30 and continuing for twenty-one (21) consecutive calendar days;
 - B. A three (3)-week period within the period commencing the first day of October through November 30 and continuing for twenty-one (21) consecutive calendar days;
 - C. The burning shall take place only between the daytime hours of 10:00 a.m. and 3:30 p.m.; and
 - D. In each instance, the twenty-one (21)-day burning period shall be determined by the director of Public Health and Welfare of the City of St. Joseph for the region in which the City of St. Joseph is located provided, however, the burning period first shall receive the approval of the department director; and
 4. St. Louis metropolitan area. The open burning of trees, tree leaves, brush or any other type of vegetation is limited to the period beginning September 16 and ending April 14 of each calendar year and limited to a total base area not to exceed sixteen (16) square feet. Any open burning shall be conducted only between the hours of 10:00 a.m. and 4:00 p.m. and is limited to areas outside of incorporated municipalities;
- (3) Certain types of materials may be open burned provided an open burning permit is obtained from the director. The permit will specify the conditions and provisions of all open burning. The permit may be revoked if the owner or operator fails to comply with the conditions or any provisions of the permit.
- (4) R. R. Donnelley - Liberty may be issued an annually renewable open burning permit for open burning provided that an air curtain destructor or incinerator is utilized and only tree trunks, tree limbs, vegetation or untreated wood waste are burned. Open burning shall occur at least two hundred (200) yards from the nearest occupied structure unless the owner or operator of the occupied structure provides a written waiver of this requirement. Any waiver shall accompany the open burning permit application. The permit may be revoked if R. R. Donnelley - Liberty fails to comply with the provisions or any condition of the open burning permit.
- (A) In a nonattainment area, as defined in 10 CSR 10-6.020, paragraph (2)(N)5., the director shall not issue a permit under this section unless the owner or operator can demonstrate to the satisfaction of the director that the emissions from the open burning of the specified material would be less than the emissions from any other waste management or disposal method.
-
- (5) Reporting and Record Keeping. New Source Performance Standard (NSPS) 40 CFR Part 60 Subpart CCCC establishes certain requirements for air curtain destructors or incinerators that burn wood trade waste. These requirements are established in 40 CFR 60.2245-60.2260. The provisions of 40 CFR Part 60 Subpart CCCC promulgated as of September 22, 2005, shall apply and are hereby incorporated by reference in this rule, as published by the U.S. Government Printing Office, 732 N Capitol Street NW, Washington, DC 20401. To comply with NSPS 40 CFR 60.2245-60.2260, sources must conduct an annual Method 9 test. A copy of the annual Method 9 test results shall be submitted to the director.

- (6) Test Methods. The visible emissions from air pollution sources shall be evaluated as specified by 40 CFR Part 60, Appendix A-Test Methods, Method 9-Visual Determination of the Opacity of Emissions from Stationary Sources. The provisions of 40 CFR Part 60, Appendix A, Method 9 promulgated as of December 23, 1971, is incorporated by reference in this rule, as published by the U.S. Government Printing Office, 732 N Capitol Street NW, Washington, DC 20401.

10 CSR 10-2.070 Restriction of Emission of Odors

This requirement is not federally enforceable.

No person may cause, permit or allow the emission of odorous matter in concentrations and frequencies or for durations that odor can be perceived when one volume of odorous air is diluted with seven volumes of odor-free air for two separate trials not less than fifteen (15) minutes apart within the period of one hour.

10 CSR 10-6.100 Alternate Emission Limits

Proposals for alternate emission limitations shall be submitted on Alternate Emission Limits Permit forms provided by the department. An installation owner or operator must obtain an Alternate Emission Limits Permit in accordance with 10 CSR 10-6.100 before alternate emission limits may become effective.

10 CSR 10-6.170

Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin

Emission Limitation:

- 1) The permittee shall not cause or allow to occur any handling, transporting or storing of any material; construction, repair, cleaning or demolition of a building or its appurtenances; construction or use of a road, driveway or open area; or operation of a commercial or industrial installation without applying reasonable measures as may be required to prevent, or in a manner which allows or may allow, fugitive particulate matter emissions to go beyond the premises of origin in quantities that the particulate matter may be found on surfaces beyond the property line of origin. The nature or origin of the particulate matter shall be determined to a reasonable degree of certainty by a technique proven to be accurate and approved by the director.
- 2) The permittee shall not cause nor allow to occur any fugitive particulate matter emissions to remain visible in the ambient air beyond the property line of origin.
- 3) Should it be determined that noncompliance has occurred, the director may require reasonable control measures as may be necessary. These measures may include, but are not limited to, the following:
 - a) Revision of procedures involving construction, repair, cleaning and demolition of buildings and their appurtenances that produce particulate matter emissions;
 - b) Paving or frequent cleaning of roads, driveways and parking lots;
 - c) Application of dust-free surfaces;
 - d) Application of water; and
 - e) Planting and maintenance of vegetative ground cover.

Monitoring:

The permittee shall conduct inspections of its facilities sufficient to determine compliance with this regulation. If the permittee discovers a violation, the permittee shall undertake corrective action to eliminate the violation.

The permittee shall maintain the following monitoring schedule:

- 1) The permittee shall conduct weekly observations for a minimum of eight (8) consecutive weeks after permit issuance.
- 2) Should no violation of this regulation be observed during this period then-
 - a) The permittee may observe once every two (2) weeks for a period of eight (8) weeks.
 - b) If a violation is noted, monitoring reverts to weekly.
 - c) Should no violation of this regulation be observed during this period then-
 - i) The permittee may observe once per month.
 - ii) If a violation is noted, monitoring reverts to weekly.
- 3) If the permittee reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner to the initial monitoring frequency.

Recordkeeping:

The permittee shall document all readings on Attachment A, or its equivalent, noting the following:

- 1) Whether air emissions (except water vapor) remain visible in the ambient air beyond the property line of origin.
- 2) Whether the visible emissions were normal for the installation.
- 3) Whether equipment malfunctions contributed to an exceedance.
- 4) Any violations and any corrective actions undertaken to correct the violation.

**10 CSR 10-6.080 Emission Standards for Hazardous Air Pollutants and 40 CFR Part 61
Subpart M National Emission Standard for Asbestos**

- 1) The permittee shall follow the procedures and requirements of 40 CFR Part 61, Subpart M for any activities occurring at this installation which would be subject to provisions for 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos.
- 2) The permittee shall conduct monitoring to demonstrate compliance with registration, certification, notification, and Abatement Procedures and Practices standards as specified in 40 CFR Part 61, Subpart M.

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions in excess of the limits specified by this rule. This permit will contain the opacity limits identified (10, 20 or 40 percent) for the specific emission units.

Monitoring:

- 1) The permittee shall conduct opacity readings on each emission unit using the procedures contained in U.S. EPA Test Method 22. The permittee is only required to take readings when the emission unit is operating and when the weather conditions allow. If the permittee observes no visible or other significant emissions using these procedures, then no further observations are required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct a Method 9 observation.
- 2) The permittee must maintain the following monitoring schedule:
 - a) The permittee shall conduct weekly observations for a minimum of eight (8) consecutive weeks after permit issuance.

- b) Should the permittee observe no violations of this regulation during this period then-
 - i) The permittee may observe once every two (2) weeks for a period of eight (8) weeks.
 - ii) If a violation is noted, monitoring reverts to weekly.
 - iii) Should no violation of this regulation be observed during this period then-
 - (1) The permittee may observe once per month.
 - (2) If a violation is noted, monitoring reverts to weekly.
- 3) If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

The permittee shall maintain records of all observation results using Attachment B (or its equivalent), noting:

- 1) Whether any air emissions (except for water vapor) were visible from the emission units;
- 2) All emission units from which visible emissions occurred;
- 3) Whether the visible emissions were normal for the process;
- 4) The permittee shall maintain records of any equipment malfunctions, which may contribute to visible emissions; and,
- 5) The permittee shall maintain records of all U.S. EPA Method 9 opacity tests performed.

10 CSR 10-6.250 Asbestos Abatement Projects – Certification, Accreditation, and Business Exemption Requirements

The permittee shall conduct all asbestos abatement projects within the procedures established for certification and accreditation by 10 CSR 10-6.250. This rule requires individuals who work in asbestos abatement projects to be certified by the Missouri Department of Natural Resources Air Pollution Control Program. This rule requires training providers who offer training for asbestos abatement occupations to be accredited by the Missouri Department of Natural Resources Air Pollution Control Program. This rule requires persons who hold exemption status from certain requirements of this rule to allow the department to monitor training provided to employees. Each individual who works in asbestos abatement projects must first obtain certification for the appropriate occupation from the department. Each person who offers training for asbestos abatement occupations must first obtain accreditation from the department. Certain business entities that meet the requirements for state-approved exemption status must allow the department to monitor training classes provided to employees who perform asbestos abatement.

Title VI – 40 CFR Part 82 Protection of Stratospheric Ozone

- 1) The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
 - a) All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to §82.106.
 - b) The placement of the required warning statement must comply with the requirements pursuant to §82.108.
 - c) The form of the label bearing the required warning statement must comply with the requirements pursuant to §82.110.

- d) No person may modify, remove, or interfere with the required warning statement except as described in §82.112.
- 2) The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B:
 - a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to §82.156.
 - b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to §82.158.
 - c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to §82.161.
 - d) Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with record keeping requirements pursuant to §82.166. ("MVAC-like" appliance as defined at §82.152).
 - e) Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to §82.156.
 - f) Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to §82.166.
- 3) If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR Part 82, Subpart A, Production and Consumption Controls.
- 4) If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant.

The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR Part 82, Subpart G, Significant New Alternatives Policy Program. *Federal Only - 40 CFR Part 82*

10 CSR 10-6.280 Compliance Monitoring Usage

- 1) The permittee is not prohibited from using the following in addition to any specified compliance methods for the purpose of submission of compliance certificates:
 - a) Monitoring methods outlined in 40 CFR Part 64;
 - b) Monitoring method(s) approved for the permittee pursuant to 10 CSR 10-6.065, "Operating Permits", and incorporated into an operating permit; and
 - c) Any other monitoring methods approved by the director.
- 2) Any credible evidence may be used for the purpose of establishing whether a permittee has violated or is in violation of any such plan or other applicable requirement. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred by a permittee:
 - a) Monitoring methods outlined in 40 CFR Part 64;

- b) A monitoring method approved for the permittee pursuant to 10 CSR 10-6.065, "Operating Permits", and incorporated into an operating permit; and
 - c) Compliance test methods specified in the rule cited as the authority for the emission limitations.
- 3) The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:
- a) Applicable monitoring or testing methods, cited in:
 - i) 10 CSR 10-6.030, "Sampling Methods for Air Pollution Sources";
 - ii) 10 CSR 10-6.040, "Reference Methods";
 - iii) 10 CSR 10-6.070, "New Source Performance Standards";
 - iv) 10 CSR 10-6.080, "Emission Standards for Hazardous Air Pollutants"; or
 - b) Other testing, monitoring, or information gathering methods, if approved by the director, that produce information comparable to that produced by any method listed above.
-

V. General Permit Requirements

The installation shall comply with each of the following requirements. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect as of the date that this permit is issued.

10 CSR 10-6.065, §(5)(C)1 and §(6)(C)1.B Permit Duration

This permit is issued for a term of five years, commencing on the date of issuance. This permit will expire at the end of this period unless renewed.

10 CSR 10-6.065, §(5)(C)1 and §(6)(C)1.C General Record Keeping and Reporting Requirements

- 1) Record Keeping
 - a) All required monitoring data and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report or application.
 - b) Copies of all current operating and construction permits issued to this installation shall be kept on-site for as long as the permits are in effect. Copies of these permits shall be made immediately available to any Missouri Department of Natural Resources' personnel upon request.
- 2) Reporting
 - a) All reports shall be submitted to the Air Pollution Control Program, Enforcement Section, P. O. Box 176, Jefferson City, MO 65102.
 - b) The permittee shall submit a report of all required monitoring by:
 - i) April 1st for monitoring which covers the January through December time period.
 - ii) Exception. Monitoring requirements which require reporting more frequently than annually shall report no later than thirty (30) days after the end of the calendar quarter in which the measurements were taken.
 - c) Each report shall identify any deviations from emission limitations, monitoring, record keeping, reporting, or any other requirements of the permit.
 - d) Submit supplemental reports as required or as needed. Supplemental reports are required no later than ten days after any exceedance of any applicable rule, regulation or other restriction. All reports of deviations shall identify the cause or probable cause of the deviations and any corrective actions or preventative measures taken.
 - i) Notice of any deviation resulting from an emergency (or upset) condition as defined in paragraph (6)(C)7 of 10 CSR 10-6.065 (Emergency Provisions) shall be submitted to the permitting authority either verbally or in writing within two working days after the date on which the emission limitation is exceeded due to the emergency, if the permittee wishes to assert an affirmative defense. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that indicate an emergency occurred and the permittee can identify the cause(s) of the emergency. The permitted installation must show that it was operated properly at the time and that during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or requirements in the permit. The notice must contain a description of the emergency, the steps taken to mitigate emissions, and the corrective actions taken.
 - ii) Any deviation that poses an imminent and substantial danger to public health, safety or the environment shall be reported as soon as practicable.

- iii) Any other deviations identified in the permit as requiring more frequent reporting than the permittee's annual report shall be reported on the schedule specified in this permit, and no later than ten days after any exceedance of any applicable rule, regulation, or other restriction.
- e) Every report submitted shall be certified by the responsible official, except that, if a report of a deviation must be submitted within ten days after the deviation, the report may be submitted without a certification if the report is resubmitted with an appropriate certification within ten days after that, together with any corrected or supplemental information required concerning the deviation.
- f) The permittee may request confidential treatment of information submitted in any report of deviation.

10 CSR 10-6.065 §(5)(C)1 and §(6)(C)1.D Risk Management Plan Under Section 112(r)

The permittee shall comply with the requirements of 40 CFR Part 68, Accidental Release Prevention Requirements. If the permittee has more than a threshold quantity of a regulated substance in process, as determined by 40 CFR Section 68.115, the permittee shall submit a Risk Management Plan in accordance with 40 CFR Part 68 no later than the latest of the following dates:

- 1) June 21, 1999;
- 2) Three years after the date on which a regulated substance is first listed under 40 CFR Section 68.130; or
- 3) The date on which a regulated substance is first present above a threshold quantity in a process.

10 CSR 10-6.065(5)(C)1.A General Requirements

- 1) The permittee must comply with all of the terms and conditions of this permit. Any noncompliance with a permit condition constitutes a violation and is grounds for enforcement action, permit termination, permit revocation and re-issuance, permit modification or denial of a permit renewal application.
- 2) The permittee may not use as a defense in an enforcement action that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit
- 3) The permit may be modified, revoked, reopened, reissued or terminated for cause. Except as provided for minor permit modifications, the filing of an application or request for a permit modification, revocation and reissuance, or termination, or the filing of a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- 4) This permit does not convey any property rights of any sort, nor grant any exclusive privilege.
- 5) The permittee shall furnish to the Air Pollution Control Program, upon receipt of a written request and within a reasonable time, any information that the Air Pollution Control Program reasonably may require to determine whether cause exists for modifying, reopening, reissuing or revoking the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the Air Pollution Control Program copies of records required to be kept by the permittee. The permittee may make a claim of confidentiality for any information or records submitted under this rule.
- 6) Failure to comply with the limitations and conditions that qualify the installation for an Intermediate permit make the installation subject to the provisions of 10 CSR 10-6.065(6) and enforcement action for operating without a valid part 70 operating permit.

10 CSR 10-6.065(5)(C)1.C Reasonably Anticipated Operating Scenarios

The installation normally does not use alcohol based inks. However, the requirements of 10 CSR 10-2.340 that pertain to alcohol based inks have been included in this operating permit to allow the flexibility of an alternate operating scenario.

10 CSR 10-6.065, §(5)(B)4; §(5)(C)1, §(6)(C)3.B; and §(6)(C)3.D; and §(5)(C)3 and §(6)(C)3.E.(I) – (III) and (V) – (VI) Compliance Requirements

- 1) Any document (including reports) required to be submitted under this permit shall contain a certification signed by the responsible official.
- 2) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized officials of the Missouri Department of Natural Resources, or their authorized agents, to perform the following (subject to the installation's right to seek confidential treatment of information submitted to, or obtained by, the Air Pollution Control Program):
 - a) Enter upon the premises where a permitted installation is located or an emissions-related activity is conducted, or where records must be kept under the conditions of this permit;
 - b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
 - c) Inspect, at reasonable times and using reasonable safety practices, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
 - d) As authorized by the Missouri Air Conservation Law, Chapter 643, RSMo or the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the terms of this permit, and all applicable requirements as outlined in this permit.
- 3) All progress reports required under an applicable schedule of compliance shall be submitted semiannually (or more frequently if specified in the applicable requirement). These progress reports shall contain the following:
 - a) Dates for achieving the activities, milestones or compliance required in the schedule of compliance, and dates when these activities, milestones or compliance were achieved, and
 - b) An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventative or corrective measures adopted.
- 4) The permittee shall submit an annual certification that it is in compliance with all of the federally enforceable terms and conditions contained in this permit, including emissions limitations, standards, or work practices. These certifications shall be submitted annually by June 1st, unless the applicable requirement specifies more frequent submission. These certifications shall be submitted to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102. All deviations and exceedances must be included in the compliance certifications. The compliance certification shall include the following:
 - a) The identification of each term or condition of the permit that is the basis of the certification;
 - b) The current compliance status, as shown by monitoring data and other information reasonably available to the installation;
 - c) Whether compliance was continuous or intermittent;
 - d) The method(s) used for determining the compliance status of the installation, both currently and over the reporting period; and
 - e) Such other facts as the Air Pollution Control Program will require in order to determine the compliance status of this installation.

10 CSR 10-6.065, §(5)(C)1 and §(6)(C)7 Emergency Provisions

- 1) An emergency or upset as defined in 10 CSR 10-6.065(6)(C)7.A, shall constitute an affirmative defense to an enforcement action brought for noncompliance with technology-based emissions limitations. To establish an emergency- or upset-based defense, the permittee must demonstrate, through properly signed, contemporaneous operating logs or other relevant evidence, the following:
 - a) That an emergency or upset occurred and that the permittee can identify the source of the emergency or upset,
 - b) That the installation was being operated properly,
 - c) That the permittee took all reasonable steps to minimize emissions that exceeded technology-based emissions limitations or requirements in this permit, and
 - d) That the permittee submitted notice of the emergency to the Air Pollution Control Program within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and any corrective actions taken.
- 2) Be aware that an emergency or upset shall not include noncompliance caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

10 CSR 10-6.065(5)(C)5 Off-Permit Changes

- 1) Except as noted below, the permittee may make any change in its permitted installation's operations, activities or emissions that is not addressed in, constrained by or prohibited by this permit without obtaining a permit revision. Off-permit changes shall be subject to the following requirements and restrictions:
 - a) The change must meet all applicable requirements of the Act and may not violate any existing permit term or condition; the permittee may not change a permitted installation without a permit revision if this change is a Title I modification; Please Note: Changes at the installation which affect the emission limitation(s) classifying the installation as an intermediate source (add additional equipment to the record keeping requirements, increase the emissions above major source level) do not qualify for off-permit changes.
 - b) The permittee must provide written notice of the change to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as well as EPA Region VII, 901 North 5th Street, Kansas City, Kansas 66101, no later than the next annual emissions report. This written notice shall describe each change, including the date, any change in emissions, pollutants emitted and any applicable requirement that would apply as a result of the change; and
 - c) The permittee shall keep a record describing all changes made at the installation that result in emissions of a regulated air pollutant subject to an applicable requirement and the emissions resulting from these changes.

10 CSR 10-6.020(2)(R)12 Responsible Official

The application utilized in the preparation of this permit was signed by Richard Johnson, Vice President. If this person terminates employment, or is reassigned different duties such that a different person becomes the responsible person to represent and bind the installation in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the director of the Air Pollution Control Program of the change. Said notification shall be in writing and shall be submitted within thirty (30) days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the installation in environmental permitting affairs.

All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of limiting permit conditions on this permit will continue to be binding on the installation until such time that a revision to this permit is obtained that would change said representations, agreements and covenants.

10 CSR 10-6.065 §(5)(E)4 and §(6)(E)6.A(III)(a)-(c) Reopening-Permit for Cause

This permit may be reopened for cause if:

- 1) The Missouri Department of Natural Resources (MDNR) or EPA determines that the permit contains a material mistake or that inaccurate statements were made which resulted in establishing the emissions limitation standards or other terms of the permit,
- 2) Additional applicable requirements under the Act become applicable to the installation; however, reopening on this ground is not required if—:
 - a) The permit has a remaining term of less than three years;
 - b) The effective date of the requirement is later than the date on which the permit is due to expire;
or
 - c) The additional applicable requirements are implemented in a general permit that is applicable to the installation and the installation receives authorization for coverage under that general permit,
- 3) MDNR or EPA determines that the permit must be reopened and revised to assure compliance with applicable requirements.

10 CSR 10-6.065 §(5)(E)1.A and §(6)(E)1.C Statement of Basis

This permit is accompanied by a statement setting forth the legal and factual basis for the permit conditions (including references to applicable statutory or regulatory provisions). This Statement of Basis, while referenced by the permit, is not an actual part of the permit.

VI. Attachments

Attachments follow.

Attachment C

Method 9 Opacity Emissions Observations								
Company						Observer		
Location						Observer Certification Date		
Date						Emission Unit		
Time						Control Device		
Hour	Minute	Seconds				Steam Plume (check if applicable)		Comments
		0	15	30	45	Attached	Detached	
	0							
	1							
	2							
	3							
	4							
	5							
	6							
	7							
	8							
	9							
	10							
	11							
	12							
	13							
	14							
	15							
	16							
	17							
	18							
SUMMARY OF AVERAGE OPACITY								
Set Number	Time				Opacity			
	Start	End	Sum	Average				

Readings ranged from _____ to _____ % opacity.

Was the emission unit in compliance at the time of evaluation? _____
 YES NO Signature of Observer

STATEMENT OF BASIS

Voluntary Limitations

In order to qualify for this Intermediate State Operating Permit, the permittee has accepted voluntary, federally enforceable emission limitations. Per 10 CSR 10-6.065(5)(C)1.A.(VI), if these limitations are exceeded, the installation immediately becomes subject to 10 CSR 10-6.065(6) and enforcement action for operating without a valid part 70 operating permit. It is the permittee's responsibility to monitor emission levels and apply for a part 70 operating permit far enough in advance to avoid this situation. This may mean applying more than eighteen months in advance of the exceedance, since it can take that long or longer to obtain a part 70 operating permit.

Permit Reference Documents

These documents were relied upon in the preparation of the operating permit. Because they are not incorporated by reference, they are not an official part of the operating permit.

- 1) Intermediate Operating Permit Application, received 02/21/2007;
- 2) 2007 Emissions Inventory Questionnaire, received 3/27/2008; and
- 3) U.S. EPA document AP-42, *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition.

Applicable Requirements Included in the Operating Permit but Not in the Application or Previous Operating Permits

In the operating permit application, the installation indicated they were not subject to the following regulation(s). However, in the review of the application, the agency has determined that the installation is subject to the following regulation(s) for the reasons stated.

None

Other Air Regulations Determined Not to Apply to the Operating Permit

The Air Pollution Control Program (APCP) has determined that the following requirements are not applicable to this installation at this time for the reasons stated.

10 CSR 10-2.040, Maximum Allowable Emission of Particulate Matter From Fuel Burning Equipment Used for Indirect Heating

This regulation does not apply to the printing press dryers because they do not meet the definition of indirect heating. The products of combustion do contact process materials.

Additionally, this rule does not apply to the regenerative thermal oxidizer for the same reason.

Construction Permit History

1. Construction Permit 0784-003A

This permit authorized installation of a four color Solna C-96 printing press. This permit was superseded by Construction Permit 012007-013.

2. Construction Permit 0691-004
This permit authorized the installation to move from Pleasant Valley, Missouri, to Liberty, Missouri. This move required relocation of Presses 41, 51, 61, and 82, along with all control devices and other production equipment. This permit was superseded by Construction Permit 012007-013.
3. Construction Permit 0295-004
This permit authorized installation of an eight unit web offset printing press (number 820). This permit was superseded by Construction Permit 012007-013.
4. Construction Permit 0398-004
This permit authorized installation of an eight unit web offset printing press (number 93). This permit was superseded by Construction Permit 012007-013.
5. Construction Permit 072000-001
This permit authorized installation of a web offset printing press (number 99). This permit was superseded by Construction Permit 012007-013.
6. Construction Permit 012001-003
This permit authorized installation of a web offset printing press (number 21), to replace press number 62. This permit was superseded by Construction Permit 012007-013.
7. Construction Permit 062003-014
This permit authorized installation of a web offset printing press (number 23), to replace press number 41. This permit was superseded by Construction Permit 012007-013.
8. Construction Permit 042004-006
This permit authorized installation of a web offset printing press (number 24), to replace press number 21. This permit was superseded by Construction Permit 012007-013.
9. No Permit Required Letter, PAMS 2004-07-075
This letter authorizes the reconfiguration of exhaust from the seven web offset lithographic printing presses. At the time of the application, each press is controlled by individual catalytic oxidizers. The reconfiguration will directly connect all presses to the existing regenerative thermal oxidizer. The existing catalytic oxidizers will be retained as backup units in case of RTO failure.
10. Construction Permit 042004-006A
This amends Construction Permit 042004-006 to allow the installation the flexibility of operating the backup emission control unit for press number 24. This permit/amendment was superseded by Construction Permit 012007-013.
11. Construction Permit 012007-013
This permit supersedes all previously issued construction permits for this installation. This permit establishes a 10/25 tons per year limit on HAP emissions, requires operation and maintenance of the regenerative thermal oxidizer, compliance testing of the regenerative thermal oxidizer, and operation and maintenance of the baghouse, as well as operational requirements for solvents, cleaning solutions, and cleaning cloths. This Operating Permit does not contain the compliance testing requirement, as this was satisfied on June 13, 2007.

New Source Performance Standards (NSPS) Applicability

None.

Maximum Available Control Technology (MACT) Applicability

None.

National Emission Standards for Hazardous Air Pollutants (NESHAP) Applicability

None

Other Regulatory Determinations

Stack Testing requirement of Construction Permit 012007-013

Compliance testing was conducted June 13, 2007 by Air Analysis, Inc. (AAI) by Special Condition 4 of the Construction Permit. The permit was based on the assumption of at least 90% destruction efficiency to control emissions from the presses. The stack test was accepted by the Air Pollution Control Program on November 6, 2007, with the results shown below:

Run #	% DE	Emission Rate (lb/hr)	RTO Temperature
1	98.24	1.50	1370
2	98.09	1.50	1360
3	98.29	1.51	1357
Avg.	98.2	1.50	1362

The acceptance letter states that the RTO must be operated at or above this average temperature at all times.

Alternate Operating Scenario

Normally, the installation does not use alcohol based inks. However, the installation requested the flexibility to do so if needed. Therefore, the requirements of 10 CSR 10-2.340 that pertain to alcohol based inks have been included in the permit condition. The installation is only subject to these conditions when using alcohol based inks.

According to 10 CSR 10-6.065(5)(C)1.C., the permittee may make changes among alternate operating scenarios authorized in the permit without notice. The permittee is required to maintain a contemporaneous log on site documenting the change from one scenario to another.

Other Regulations Not Cited in the Operating Permit or the Above Statement of Basis

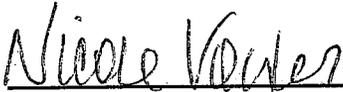
Any regulation which is not specifically listed in either the operating permit or in the above Statement of Basis does not appear, based on this review, to be an applicable requirement for this installation for one or more of the following reasons.

- 1) The specific pollutant regulated by that rule is not emitted by the installation.
- 2) The installation is not in the source category regulated by that rule.
- 3) The installation is not in the county or specific area that is regulated under the authority of that rule.
- 4) The installation does not contain the type of emission unit which is regulated by that rule.
- 5) The rule is only for administrative purposes.

Should a later determination conclude that the installation is subject to one or more of the regulations cited in this Statement of Basis or other regulations which were not cited, the installation shall determine

and demonstrate, to the Air Pollution Control Program's satisfaction, the installation's compliance with that regulation(s). If the installation is not in compliance with a regulation which was not previously cited, the installation shall submit to the Air Pollution Control Program a schedule for achieving compliance for that regulation(s).

Prepared by:



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