

TITLE V (45CSR30)
RENEWAL APPLICATION

QUEBECOR WORLD MARTINSBURG
PLANT ID. 03-054-003-00018

PREPARED FOR:

QUEBECOR WORLD MARTINSBURG
MARTINSBURG, WEST VIRGINIA

PREPARED BY:

ENVIRONMENTAL REGULATORY SERVICE GROUP, INC.
452 EIGHTH STREET
ST. ALBANS, WEST VIRGINIA 25177

PROJECT NO. ERSG 06-107-06

FEBRUARY 2006

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WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF AIR QUALITY

601 57th Street SE
Charleston, WV 25304
Phone: (304) 926-0499

TITLE V PERMIT APPLICATION - GENERAL FORMS

Section 1: General Information

Form containing 10 sections: 1. Name of Applicant, 2. Facility Name or Location, 3. DAQ Plant ID No., 4. Federal Employer ID No. (FEIN), 5. Permit Application Type, 6. Type of Business Entity, 7. Is the Applicant the, 8. Number of onsite employees, 9. Governmental Code, 10. Business Confidentiality Claims.

11. Mailing Address		
Street or P.O. Box: 871 Baker Road		
City: Martinsburg	State: WV	Zip: 25401
Telephone Number: (304) 267-3600	Fax Number: () -	

12. Facility Location		
Street: 871 Baker Road	City: Martinsburg	County: Berkeley
UTM Easting: 250 km	UTM Northing: 4,366.5 km	Zone: <input type="checkbox"/> 17 or <input checked="" type="checkbox"/> 18
Directions: From Route 9, turn at the light towards the VA hospital. Take first right and go ½ mile and the facility is on the left.		
Portable Source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Is facility located within a nonattainment area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, for what air pollutants? Ozone	
Is facility located within 50 miles of another state? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, name the affected state(s). Virginia Maryland	
Is facility located within 100 km of a Class I Area¹? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, name the area(s).	
If no, do emissions impact a Class I Area¹? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
¹ Class I areas include Dolly Sods and Otter Creek Wilderness Areas in West Virginia, and Shenandoah National Park and James River Face Wilderness Area in Virginia.		

13. Contact Information		
Responsible Official: Dan Mierzwa		Title: Vice President
Street or P.O. Box: 871 Baker Road		
City: Martinsburg	State: WV	Zip: 25401
Telephone Number: (304) 267-3620	Fax Number: (304) 267-9625	
E-mail address:		
Environmental Contact: John Lucabaugh		Title: Environmental Health and Safety Manager
Street or P.O. Box: 100 North Miller Street, P.O. Box 717		
City: Fairfield	State: PA	Zip: 17320
Telephone Number: (717) 642-2409	Fax Number: (717) 642-2474	
E-mail address: John.Lucabaugh@quebecorworld.com		
Application Preparer: Jim Cooper		Title: Environmental Engineer
Company: Environmental Regulatory Service Group, Inc.		
Street or P.O. Box: 452 Eighth Street		
City: St. Albans	State: WV.	Zip: 25177
Telephone Number: (304) 722-2100	Fax Number: (304) 722-5654	
E-mail address: jim@ersginc.com		

14. Facility Description

List all processes, products, NAICS and SIC codes for normal operation, in order of priority. Also list any process, products, NAICS and SIC codes associated with any alternative operating scenarios if different from those listed for normal operation.

Process	Products	NAICS	SIC
Printing	Hard and soft cover books		2752

Provide a general description of operations.

Printing and assembly of hard and soft cover books utilizing web off-set heatset lithograph technology.

15. Provide an **Area Map** showing plant location as **ATTACHMENT A**.

16. Provide a **Plot Plan(s)**, e.g. scaled map(s) and/or sketch(es) showing the location of the property on which the stationary source(s) is located as **ATTACHMENT B**. For instructions, refer to "Plot Plan - Guidelines."

17. Provide a detailed **Process Flow Diagram(s)** showing each process or emissions unit as **ATTACHMENT C**. Process Flow Diagrams should show all emission units, control equipment, emission points, and their relationships.

Section 2: Applicable Requirements

18. Applicable Requirements Summary	
Instructions: Mark all applicable requirements.	
<input checked="" type="checkbox"/> SIP	<input type="checkbox"/> FIP
<input checked="" type="checkbox"/> Minor source NSR (45CSR13)	<input type="checkbox"/> PSD (45CSR14)
<input type="checkbox"/> NESHAP (45CSR15)	<input type="checkbox"/> Nonattainment NSR (45CSR19)
<input type="checkbox"/> Section 111 NSPS	<input type="checkbox"/> Section 112(d) MACT standards
<input type="checkbox"/> Section 112(g) Case-by-case MACT	<input type="checkbox"/> Section 112(j) MACT hammer
<input type="checkbox"/> Section 112(i) Early reduction of HAP	<input type="checkbox"/> 112(r) RMP
<input type="checkbox"/> Section 129 Standards/Reqt.s.	<input type="checkbox"/> Consumer/commercial prod. reqts., section 183(e)
<input type="checkbox"/> Tank vessel reqt., section 183(f)	<input type="checkbox"/> Stratospheric ozone (Title VI)
<input type="checkbox"/> NAAQS, increments or visibility (temp. sources)	<input type="checkbox"/> Emissions cap 45CSR§30-2.6.1
<input checked="" type="checkbox"/> 45CSR4 State enforceable only rule	<input type="checkbox"/> 45CSR27 State enforceable only rule
<input type="checkbox"/> Emissions Trading and Banking (45CSR28)	<input type="checkbox"/> Acid Rain (Title IV, 45CSR33)
<input type="checkbox"/> NO _x Budget Trading Program Non-EGUs (45CSR1)	<input type="checkbox"/> NO _x Budget Trading Program EGUs (45CSR26)

19. Non Applicability Determinations
<p>List all requirements which the source has determined not applicable and for which a permit shield is requested. The listing shall also include the rule citation and the reason why the shield applies.</p> <p>NESHAP (45CSR15) - Does not emit Asbestos, Benzene, Beryllium, Coke Oven Emissions, Inorganic Arsenic, Mercury, Radionuclides, or Vinyl Chloride. Section 111 NSPS - no NSPS for this type of printing facility. Section 112 - facility is not a major source defined by the MACT. Section 129 Standards and Requirements - facility does not combust solid waste. Section 183 (tank vessel requirement) - no tanks vessels utilized at this facility. NAAQS increments or visibility (temp. sources) - no temporary sources. Emission Trading and Banking (45CSR28) - not involved in this program. NO_x Budget Trading Program Non-EGU's (45CSR1) - does not meet the definition of NO_x Budget Unit FIP - none in place PSD - this facility is not a major stationary source as defined by 45CSR14. Nonattainment NSR (45CSR19) - nonattainment was designated after R13 and R30 were issued and this is not a construction or major modification. Section 183 (e) - facility is not a regulated entity as defined by Section 183 (e)(C). Statospheric Ozone (Title VI) - does not emit any of the listed pollutants. Emissions Cap 45CSR30-2.6.1 - none in place 45CSR27 - no TAP emissions. Acid Rain (Title IV) - not an EGU. NO_x Budget Trading Program EGU's (45CSR26) - not an EGU.</p>
<input checked="" type="checkbox"/> Permit Shield

19. Non Applicability Determinations (Continued) - Attach additional pages as necessary.

List all requirements which the source has determined not applicable and for which a permit shield is requested. The listing shall also include the rule citation and the reason why the shield applies.

Permit Shield

20. Facility-Wide Applicable Requirements

List all facility-wide applicable requirements. For each applicable requirement, include the rule citation and/or permit with the condition number.

No objectionable odors III.B.1.b.i.
Open Burning Prohibited III.B.1.a.i.
Open Burning Prohibited III.B.1.a.ii.
Opacity not to exceed 20 percent III.B.2.a.i
Opacity not to exceed 40 percent for more than 5 minutes in a 60 minute period III.B.2.a.ii.
Visible Emissions III.B.2.a.iii.
Hazardous Particulate Matter Emissions III.B.2.a.v.
Minimize Fugitive Particulate Matter Emission III.B.1.a.iii.
Minimize Fugitive Particulate Matter Emission III.B.1.a.iv.
Particulate Matter Loading Tests III.B.1.a.v.
Other Air Pollution Emissions (upon directors request) III.B.1.a.vi.
Equipment Malfunction Allowance (must notify director within 24 hours) III.B.1.a.vii.
Submit Standby Plans for Reducing Air Emissions Upon Request III.B.1.a.viii.
Compliance Tests Upon Request III.B.1.ix.
Suspension of Permit III.B.1.x.
Suspension of Permit III.B.1.xi.
VOC Emissions (Ink) - 185.34 tons/year and 42.31 lbs./hr.
VOC Emissions (Fountain Solution) - 11.26 tons/year and 2.57 lbs./hr.
VOC Emissions (Blanket Wash) - 30.31 tons/year and 6.92 lbs./hr.
VOC Emissions (Roller Cleaner) - 5.45 tons/year and 1.24 lbs./hr.
VOC HAP Emissions - 9.4 tons/year individual and 24.4 tons/year aggregate.
Ink Usage - 118,215 gal/yr and 9,851 gal/month
Fountain Solution Usage - 17,589.6 gal/yr and 1,465.8 gal/month
Blanket Wash Usage - 9,143 gal/yr and 762 gal/month
Roller Cleaner Usage - 1,714 gal/yr and 143 gal/month
Water-Based Glue Usage - 250,000 gal/yr and 20,834 gal/month
Hot Melt Adhesive - 1,679.3 tons/yr and 139.9 tons/month
Emission Inventory III.B.2.a.x.
Compliance Testing III.B.1.a.xiv.
Newly Applicable Requirement III.B.1.a.xii.
Asbestos III.B.1.a.xiii.

Permit Shield

For all facility-wide applicable requirements listed above, provide monitoring/testing / recordkeeping / reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

No objectionable odors - recordkeeping according to III.C.5.
Open Burning Prohibited III.B.1.a.i.
Open Burning Prohibited III.B.1.a.ii.
Opacity not to exceed 20% - visual inspection and recordkeeping III.C.1.
Opacity not to exceed 40% - visual inspection and recordkeeping III.C.1.
Visible Emissions - good engineering practices III.C.1., III.C.4.
Hazardous Particulate Matter Emissions - NA III.B.2.a.v.
Minimize Fugitive Particulate Matter Emission - NA III.B.1.a.iii.
Minimize Fugitive Particulate Matter Emission - NA III.B.1.a.iv.
Particulate Matter Loading Tests - testing upon directors request III.B.1.a.v.
Other Air Pollution Emissions - testing upon directors request III.B.1.vi.
Equipment Malfunction Allowance - application for exceedance III.B.1.a.viii.
Submit Standby Plans for Reducing Air Emissions - upon request III.B.1.a.viii.
Compliance Tests - Upon Request III.B.1.ix.
Suspension of Permit - NA III.B.1.x.
Suspension of Permit - NA III.B.1.xi.
VOC Emissions (Ink) - recordkeeping III.C.3.
VOC Emissions (Fountain Solution) - recordkeeping III.C.3.
VOC Emissions (Blanket Wash) - recordkeeping III.C.3.
VOC Emissions (Roller Cleaner) - recordkeeping III.C.3.
VOC HAP Emissions - recordkeeping III.C.3.
Ink Usage - recordkeeping III.C.3.
Fountain Solution Usage - recordkeeping III.C.3.
Blanket Wash Usage - recordkeeping III.C.3.
Roller Cleaner Usage - recordkeeping III.C.3.
Water-Based Glue Usage - recordkeeping III.C.3.
Hot Melt Adhesive - recordkeeping III.C.3.
Emission Inventory - submit report annually III.B.2.a.x.
Compliance Testing - conduct as required III.B.1.a.xiv.
Newly Applicable Requirement - notify and submit compliance schedule III.B.1.a.xii.
Asbestos - NA III.B.1.a.xiii.

Are you in compliance with all facility-wide applicable requirements? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

20. Facility-Wide Applicable Requirements (Continued) - Attach additional pages as necessary.

List all facility-wide applicable requirements. For each applicable requirement, include the rule citation and/or permit with the condition number.

Permit Shield

For all facility-wide applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all facility-wide applicable requirements? Yes No

If no, complete the Schedule of Compliance Form as ATTACHMENT F.

22. Inactive Permits/Obsolete Permit Conditions

Permit Number	Date of Issuance	Permit Condition Number
	MM/DD/YYYY	
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Section 3: Facility-Wide Emissions

23. Facility-Wide Emissions Summary [Tons per Year]	
Criteria Pollutants	Potential Emissions
Carbon Monoxide (CO)	10.55
Nitrogen Oxides (NO _x)	16.00
Lead (Pb)	NA
Particulate Matter (PM ₁₀) ¹	NA
Total Particulate Matter (TSP)	2.49
Sulfur Dioxide (SO ₂)	1.10
Volatile Organic Compounds (VOC)	242.67
Hazardous Air Pollutants ²	Potential Emissions
Vinyl Acetate (From R13-1156D)	9.4
Regulated Pollutants other than Criteria and HAP	Potential Emissions
¹ PM ₁₀ is a component of TSP. ² For HAPs that are also considered PM or VOCs, emissions should be included in both the HAPs section and the Criteria Pollutants section.	

Section 4: Insignificant Activities

24. Insignificant Activities (Check all that apply)	
<input checked="" type="checkbox"/>	1. Air compressors and pneumatically operated equipment, including hand tools.
<input type="checkbox"/>	2. Air contaminant detectors or recorders, combustion controllers or shutoffs.
<input checked="" type="checkbox"/>	3. Any consumer product used in the same manner as in normal consumer use, provided the use results in a duration and frequency of exposure which are not greater than those experienced by consumer, and which may include, but not be limited to, personal use items; janitorial cleaning supplies, office supplies and supplies to maintain copying equipment.
<input checked="" type="checkbox"/>	4. Bathroom/toilet vent emissions.
<input checked="" type="checkbox"/>	5. Batteries and battery charging stations, except at battery manufacturing plants.
<input checked="" type="checkbox"/>	6. Bench-scale laboratory equipment used for physical or chemical analysis, but not lab fume hoods or vents. Many lab fume hoods or vents might qualify for treatment as insignificant (depending on the applicable SIP) or be grouped together for purposes of description.
<input type="checkbox"/>	7. Blacksmith forges.
<input type="checkbox"/>	8. Boiler water treatment operations, not including cooling towers.
<input checked="" type="checkbox"/>	9. Brazing, soldering or welding equipment used as an auxiliary to the principal equipment at the source.
<input type="checkbox"/>	10. CO ₂ lasers, used only on metals and other materials which do not emit HAP in the process.
<input checked="" type="checkbox"/>	11. Combustion emissions from propulsion of mobile sources, except for vessel emissions from Outer Continental Shelf sources.
<input checked="" type="checkbox"/>	12. Combustion units designed and used exclusively for comfort heating that use liquid petroleum gas or natural gas as fuel.
<input checked="" type="checkbox"/>	13. Comfort air conditioning or ventilation systems not used to remove air contaminants generated by or released from specific units of equipment.
<input type="checkbox"/>	14. Demineralized water tanks and demineralizer vents.
<input type="checkbox"/>	15. Drop hammers or hydraulic presses for forging or metalworking.
<input type="checkbox"/>	16. Electric or steam-heated drying ovens and autoclaves, but not the emissions from the articles or substances being processed in the ovens or autoclaves or the boilers delivering the steam.
<input type="checkbox"/>	17. Emergency (backup) electrical generators at residential locations.
<input type="checkbox"/>	18. Emergency road flares.
<input checked="" type="checkbox"/>	<p>19. Emission units which do not have any applicable requirements and which emit criteria pollutants (CO, NO_x, SO₂, VOC and PM) into the atmosphere at a rate of less than 1 pound per hour and less than 10,000 pounds per year aggregate total for each criteria pollutant from all emission units.</p> <p>Please specify all emission units for which this exemption applies along with the quantity of criteria pollutants emitted on an hourly and annual basis:</p> <p>Six (6) Ink Jet Systems using three (3) different types of ink at 100 gallons/year each for a total 300 gallons/per system annually.</p> <p>Types of Ink: TWP-1 (1.56 lbs. of VOC/gallon X 600 gallon = 936 lbs. of VOC/year) PEL Barcode (1.44 lbs. of VOC/gallon X 600 gallon = 864 lbs. of VOC/year) Conditioner (1.69 lbs. of VOC/gallon X 600 gallon = 1,014 lbs. of VOC/year) Total = <u>2,814 lbs. of VOC/year</u> = 0.321 lbs./hr or 1.41 tons/year 8,760 hours/year</p>

24. Insignificant Activities (Check all that apply)	
<input type="checkbox"/>	<p>20. Emission units which do not have any applicable requirements and which emit hazardous air pollutants into the atmosphere at a rate of less than 0.1 pounds per hour and less than 1,000 pounds per year aggregate total for all HAPs from all emission sources. This limitation cannot be used for any source which emits dioxin/furans nor for toxic air pollutants as per 45CSR27.</p> <p>Please specify all emission units for which this exemption applies along with the quantity of hazardous air pollutants emitted on an hourly and annual basis:</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>
<input type="checkbox"/>	21. Environmental chambers not using hazardous air pollutant (HAP) gases.
<input checked="" type="checkbox"/>	22. Equipment on the premises of industrial and manufacturing operations used solely for the purpose of preparing food for human consumption.
<input type="checkbox"/>	23. Equipment used exclusively to slaughter animals, but not including other equipment at slaughterhouses, such as rendering cookers, boilers, heating plants, incinerators, and electrical power generating equipment.
<input checked="" type="checkbox"/>	24. Equipment used for quality control/assurance or inspection purposes, including sampling equipment used to withdraw materials for analysis.
<input type="checkbox"/>	25. Equipment used for surface coating, painting, dipping or spray operations, except those that will emit VOC or HAP.
<input checked="" type="checkbox"/>	26. Fire suppression systems.
<input checked="" type="checkbox"/>	27. Firefighting equipment and the equipment used to train firefighters.
<input type="checkbox"/>	28. Flares used solely to indicate danger to the public.
<input checked="" type="checkbox"/>	29. Fugitive emission related to movement of passenger vehicle provided the emissions are not counted for applicability purposes and any required fugitive dust control plan or its equivalent is submitted.
<input type="checkbox"/>	30. Hand-held applicator equipment for hot melt adhesives with no VOC in the adhesive formulation.
<input type="checkbox"/>	31. Hand-held equipment for buffing, polishing, cutting, drilling, sawing, grinding, turning or machining wood, metal or plastic.
<input type="checkbox"/>	32. Humidity chambers.
<input type="checkbox"/>	33. Hydraulic and hydrostatic testing equipment.
<input type="checkbox"/>	34. Indoor or outdoor kerosene heaters.
<input checked="" type="checkbox"/>	35. Internal combustion engines used for landscaping purposes.
<input type="checkbox"/>	36. Laser trimmers using dust collection to prevent fugitive emissions.
<input type="checkbox"/>	37. Laundry activities, except for dry-cleaning and steam boilers.
<input checked="" type="checkbox"/>	38. Natural gas pressure regulator vents, excluding venting at oil and gas production facilities.
<input type="checkbox"/>	39. Oxygen scavenging (de-aeration) of water.
<input type="checkbox"/>	40. Ozone generators.

24. Insignificant Activities (Check all that apply)	
<input checked="" type="checkbox"/>	41. Plant maintenance and upkeep activities (e.g., grounds-keeping, general repairs, cleaning, painting, welding, plumbing, re-tarring roofs, installing insulation, and paving parking lots) provided these activities are not conducted as part of a manufacturing process, are not related to the source's primary business activity, and not otherwise triggering a permit modification. (Cleaning and painting activities qualify if they are not subject to VOC or HAP control requirements. Asphalt batch plant owners/operators must still get a permit if otherwise requested.)
<input type="checkbox"/>	42. Portable electrical generators that can be moved by hand from one location to another. "Moved by Hand" means that it can be moved without the assistance of any motorized or non-motorized vehicle, conveyance, or device.
<input type="checkbox"/>	43. Process water filtration systems and demineralizers.
<input type="checkbox"/>	44. Repair or maintenance shop activities not related to the source's primary business activity, not including emissions from surface coating or de-greasing (solvent metal cleaning) activities, and not otherwise triggering a permit modification.
<input type="checkbox"/>	45. Repairs or maintenance where no structural repairs are made and where no new air pollutant emitting facilities are installed or modified.
<input type="checkbox"/>	46. Routing calibration and maintenance of laboratory equipment or other analytical instruments.
<input type="checkbox"/>	47. Salt baths using nonvolatile salts that do not result in emissions of any regulated air pollutants. Shock chambers.
<input type="checkbox"/>	48. Shock chambers.
<input type="checkbox"/>	49. Solar simulators.
<input type="checkbox"/>	50. Space heaters operating by direct heat transfer.
<input type="checkbox"/>	51. Steam cleaning operations.
<input type="checkbox"/>	52. Steam leaks.
<input type="checkbox"/>	53. Steam sterilizers.
<input type="checkbox"/>	54. Steam vents and safety relief valves.
<input type="checkbox"/>	55. Storage tanks, reservoirs, and pumping and handling equipment of any size containing soaps, vegetable oil, grease, animal fat, and nonvolatile aqueous salt solutions, provided appropriate lids and covers are utilized.
<input checked="" type="checkbox"/>	56. Storage tanks, vessels, and containers holding or storing liquid substances that will not emit any VOC or HAP. Exemptions for storage tanks containing petroleum liquids or other volatile organic liquids should be based on size limits such as storage tank capacity and vapor pressure of liquids stored and are not appropriate for this list.
<input type="checkbox"/>	57. Such other sources or activities as the Director may determine.
<input checked="" type="checkbox"/>	58. Tobacco smoking rooms and areas.
<input type="checkbox"/>	59. Vents from continuous emissions monitors and other analyzers.

Section 5: Emission Units, Control Devices, and Emission Points

25. Equipment Table
Fill out the Title V Equipment Table and provide it as ATTACHMENT D .
26. Emission Units
For each emission unit listed in the Title V Equipment Table , fill out and provide an Emission Unit Form as ATTACHMENT E .
For each emission unit not in compliance with an applicable requirement, fill out a Schedule of Compliance Form as ATTACHMENT F .
27. Control Devices
For each control device listed in the Title V Equipment Table , fill out and provide an Air Pollution Control Device Form as ATTACHMENT G .

Section 6: Certification of Information

28. Certification of Truth, Accuracy and Completeness and Certification of Compliance

Note: This Certification must be signed by a responsible official. Applications without a signed certification will be returned as incomplete.

a. Certification of Truth, Accuracy and Completeness

I certify that I am a responsible official (as defined at 45CSR§30-2.38) and am accordingly authorized to make this submission on behalf of the owners or operators of the source described in this document and its attachments. I certify under penalty of law that I have personally examined and am familiar with the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine and/or imprisonment.

b. Compliance Certification

Except for requirements identified in the Title V Application for which compliance is not achieved, I, the undersigned hereby certify that, based on information and belief formed after reasonable inquiry, all air contaminant sources identified in this application are in compliance with all applicable requirements.

Responsible official (type or print)

Name: Dan Mierzwa	Title: Vice President
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Responsible official's signature:

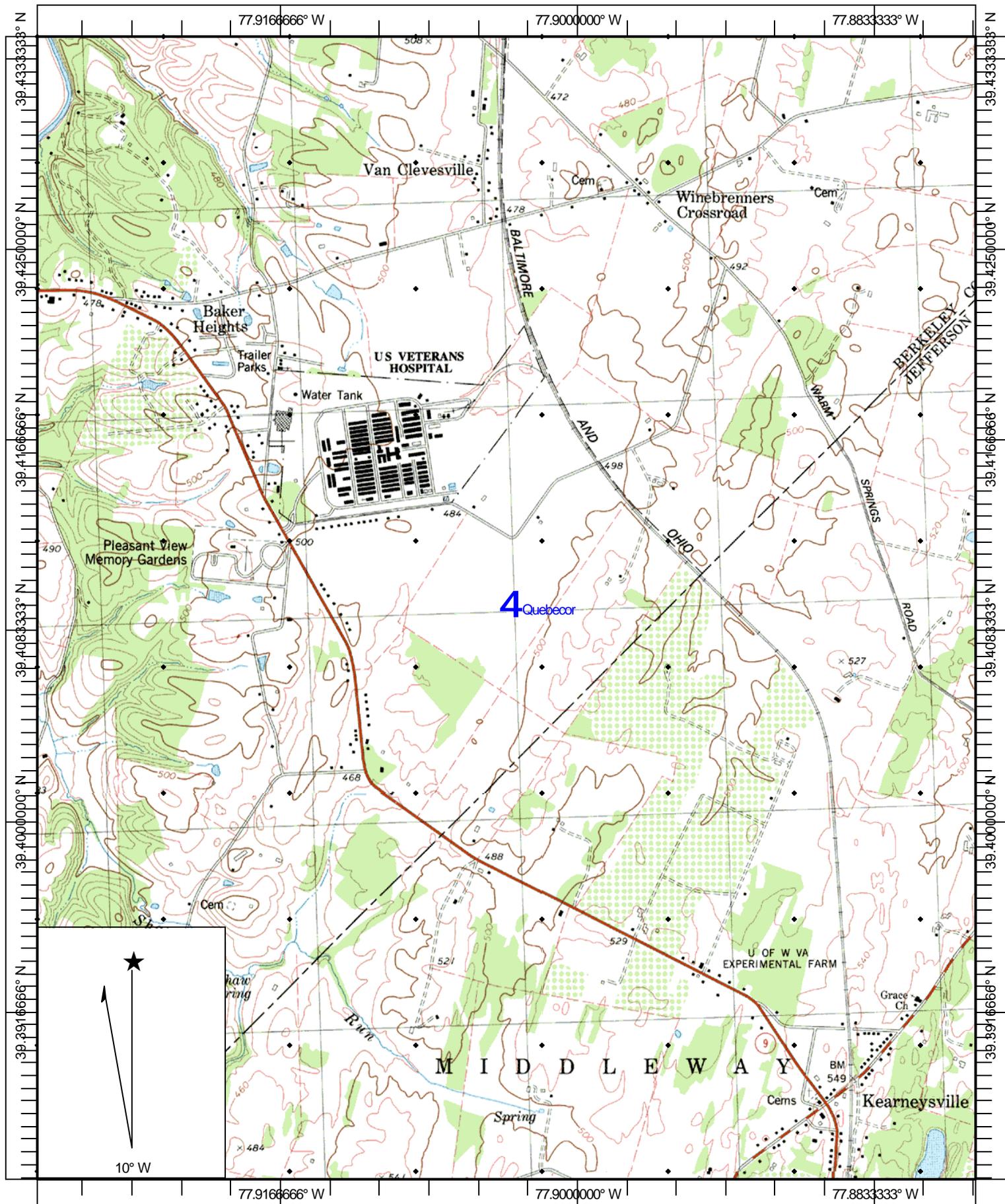
Signature: _____ Signature Date: _____
 (Must be signed and dated in blue ink)

Note: Please check all applicable attachments included with this permit application:

<input checked="" type="checkbox"/>	ATTACHMENT A: Area Map
<input checked="" type="checkbox"/>	ATTACHMENT B: Plot Plan(s)
<input checked="" type="checkbox"/>	ATTACHMENT C: Process Flow Diagram(s)
<input checked="" type="checkbox"/>	ATTACHMENT D: Title V Equipment Table
<input checked="" type="checkbox"/>	ATTACHMENT E: Emission Unit Form(s)
<input type="checkbox"/>	ATTACHMENT F: Schedule of Compliance Form(s)
<input type="checkbox"/>	ATTACHMENT G: Air Pollution Control Device Form(s)

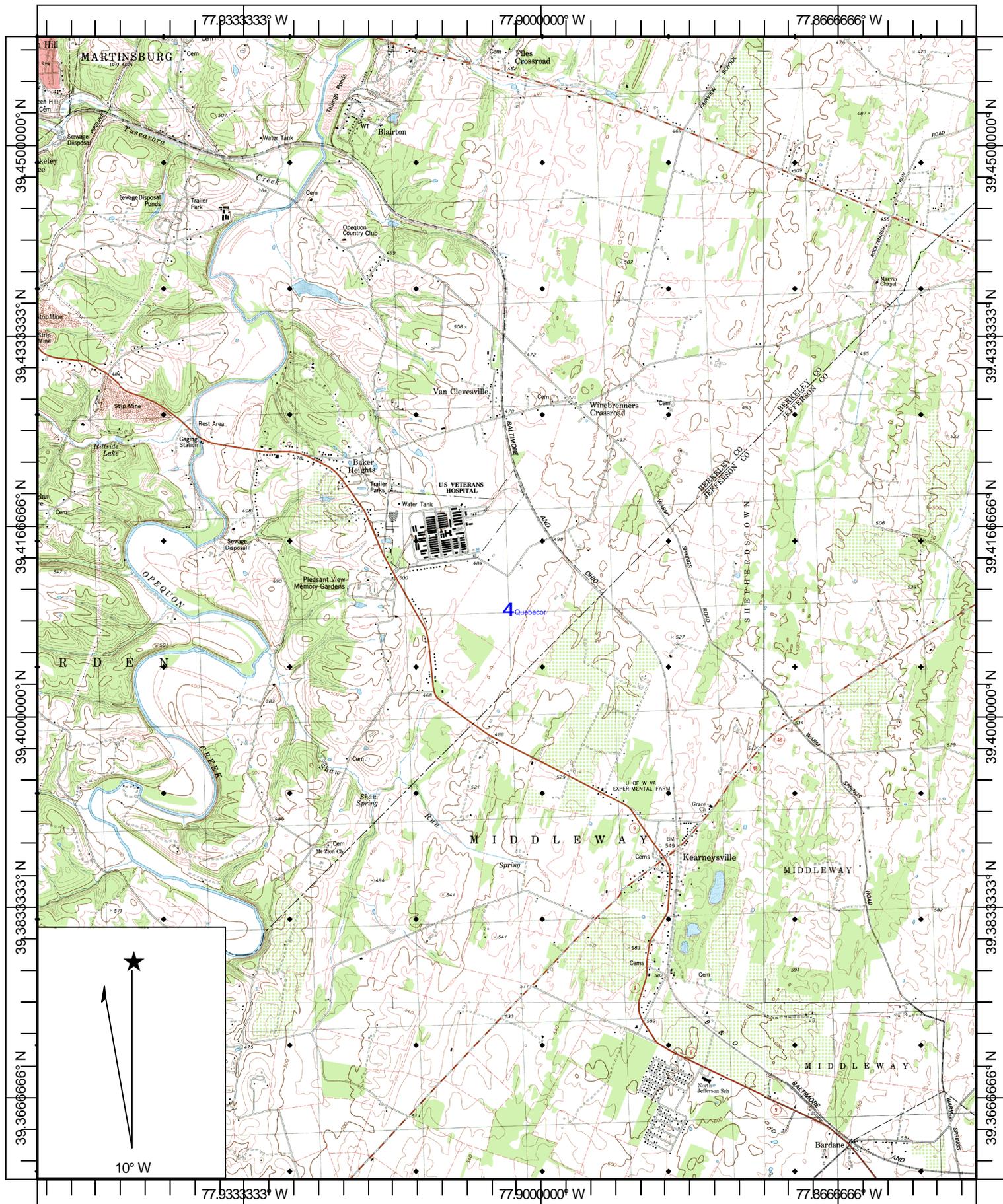
ATTACHMENT A

AREA MAP(S)



Name: MARTINSBURG
 Date: 2/13/2006
 Scale: 1 inch equals 2000 feet

Location: 039.4093617° N 077.9040015° W



Name: MARTINSBURG
 Date: 2/13/2006
 Scale: 1 inch equals 4000 feet

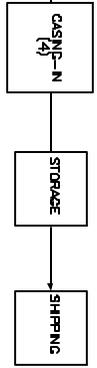
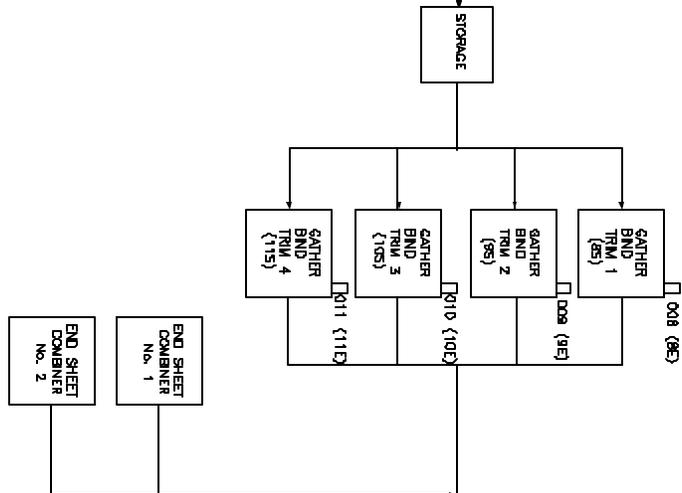
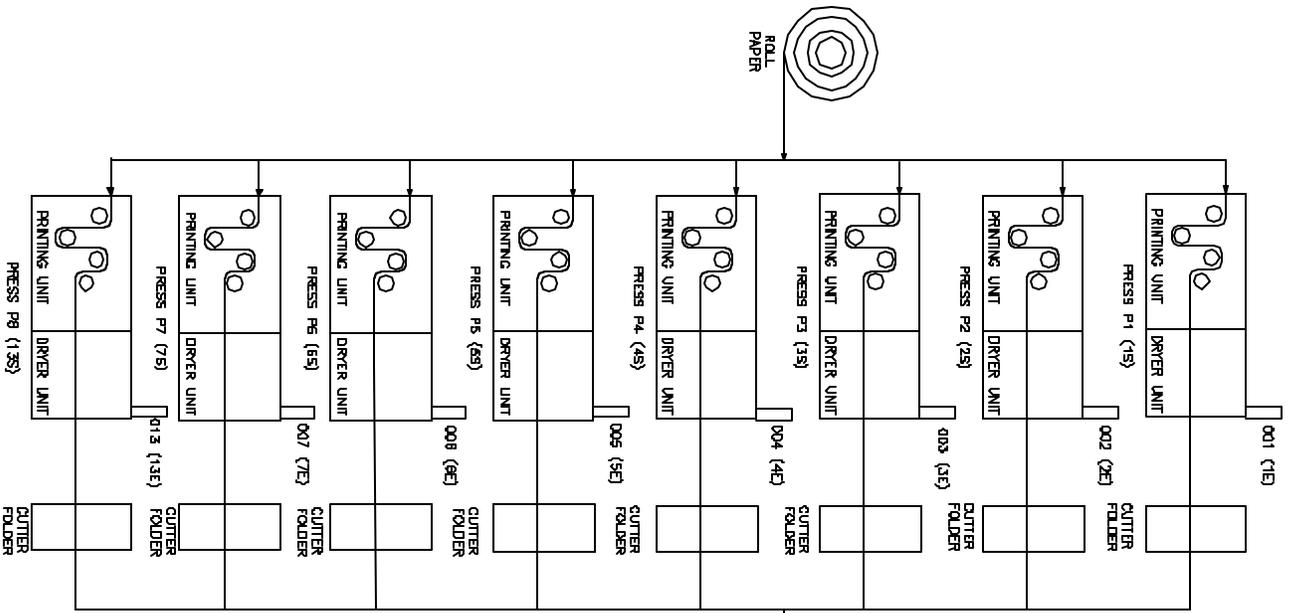
Location: 039.4095684° N 077.9039126° W

ATTACHMENT B

PLOT PLAN(S)

ATTACHMENT C

PROCESS FLOW DIAGRAM(S)



- Notes:
1. A small amount of fugitive emissions are generated from the use of Hot Melt Adhesive and Water Based Glue in the End Sheet Combiners and Casing-in Machines. These emissions have been attributed to the C-B-T machines.
 2. No emissions are generated from Storage, Shipping, or Roll Paper Storage Areas.

For more information, please contact the following:

GREENSCAPE WORLD-WIDE HOLDINGS, INC.
 BENOUILLE COUNTY, WEST VIRGINIA
 PLANT I.D. NO. 02-044-003-000110

PROCESS FLOW DIAGRAM
 Title V Required

DATE: 08-10-08
 TIME: 10:00 AM
 DRAWN BY: M. J. D. H. A.
 CHECKED BY: M. J. D. H. A.
 APPROVED BY: M. J. D. H. A.



NO.	DESCRIPTION	DATE

ATTACHMENT D

TITLE V EQUIPMENT TABLE

ATTACHMENT E
EMISSION UNIT FORM(S)

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number: 1E	Emission unit name: Press 1 Dryer	List any control devices associated with this emission unit.
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Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Printing press and dryer

Manufacturer: Hantscho	Model number: Mark 16A Dryer Model: ASI-A1108SM	Serial number:
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Construction date: NA	Installation date: 1989	Modification date(s): 1998
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Design Capacity (examples: furnaces - tons/hr, tanks - gallons): See below

Maximum Hourly Throughput: Paper 6,135 lbs., Ink 14.11 lbs., and Fountain Solution 2.23 lbs.	Maximum Annual Throughput: Paper 26,871.3 tons, Ink 61.8 tons, Fountain Solution 9.77 tons.	Maximum Operating Schedule: 8,760 hours/year
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Fuel Usage Data (fill out all applicable fields)

Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, is it? <input type="checkbox"/> Indirect Fired <input checked="" type="checkbox"/> Direct Fired
--	---

Maximum design heat input and/or maximum horsepower rating: 3.0 MMBtu/hr	Type and Btu/hr rating of burners: 1.5 MMBtu/hr per dryer
--	---

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.
Natural Gas: 0.003 MM ft³/HR and 24.98 MM ft³/year
Propane: 32.79 gal/hr and 287,213 gal/year

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural Gas	NA	NA	1,052 Btu/ft ³
Propane	123 ppm	NA	91,500 Btu/gal

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0.25	1.08
Nitrogen Oxides (NO _x)	0.46	2.01
Lead (Pb)	NA	NA
Particulate Matter (PM ₁₀)	NA	NA
Total Particulate Matter (TSP)	0.022	0.10
Sulfur Dioxide (SO ₂)	0.032	0.14
Volatile Organic Compounds (VOC)	5.42	23.74
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Natural Gas:

Emission factors are from AP-42 1.4 dated July 1998. Emission factors were scaled up to account for the higher heat content of the fuel. The default given in AP-42 is 1,020 Btu/ft³ and the natural gas supplier indicated an actual heat content of 1,052 Btu/ft³.

Propane:

Emission factors are from AP-42 1.5 dated October 1996.

Natural gas emissions are to be used for permitting due to higher emissions from combustion of that fuel.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the rule citation and/or permit with the condition number. If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

- Pound per hour emission limits III.B.2.a.vi.
- Tons per year emission limits III.B.2.a.vii.
- No objectionable odors III.B.1.b.i.
- Opacity not to exceed 20 percent III.B.2.a.i
- Opacity not to exceed 40 percent for more than 5 minutes in a 60 minute period III.B.2.a.ii.
- Hazardous Particulate Matter Emissions III.B.2.a.v.
- Minimize Fugitive Particulate Matter Emission III.B.1.a.iii.
- Particulate Matter Loading Tests III.B.1.a.v.
- Other Air Pollution Emissions (upon directors request) III.B.1.a.vi.
- Equipment Malfunction Allowance (must notify director within 24 hours) III.B.1a.vii.
- Submit Standby Plans for Reducing Air Emissions Upon Request III.B.1.a.viii.
- Compliance Tests Upon Request III.B.1.ix.
- Suspension of Permit III.B.1.x.
- Suspension of Permit III.B.1.xi.
- Natural Gas Usage III.E.3.
- Propane Usage III.E.3.
- Emission Inventory III.B.2.a.x.
- Compliance Testing III.B.1.a.xiv.
- Newly Applicable Requirement III.B.1.a.xii.

X Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

- Pound per hour emission limits - recordkeeping according to III.C.2.
- Tons per year emission limits - recordkeeping according to III.C.2.
- No objectionable odors - recordkeeping according to III.C.5.
- Opacity not to exceed 20% - visual inspection and recordkeeping III.C.1.
- Opacity not to exceed 40% - visual inspection and recordkeeping III.C.1.
- Hazardous Particulate Matter Emissions - NA III.B.2.a.v.
- Minimize Fugitive Particulate Matter Emission - NA III.B.1.a.iii.
- Particulate Matter Loading Tests - testing upon directors request III.B.1.a.v.
- Other Air Pollution Emissions - testing upon directors request III.B.1.vi.
- Equipment Malfunction Allowance - application for exceedance III.B.1.a.viii.
- Submit Standby Plans for Reducing Air Emissions – upon request III.B.1.a.viii.
- Compliance Tests - Upon Request III.B.1.ix.
- Suspension of Permit - NA III.B.1.x.
- Suspension of Permit - NA III.B.1.xi.
- Natural Gas Usage - recordkeeping III.C.2.
- Propane Usage - recordkeeping III.C.2.
- Emission Inventory - submit report annually III.B.2.a.x.
- Compliance Testing - conduct as required III.B.1.a.xiv.
- Newly Applicable Requirement - notify and submit compliance schedule III.B.1.a.xii.

Are you in compliance with all applicable requirements for this emission unit? X Yes ___No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number: 2E	Emission unit name: Press 2 Dryer	List any control devices associated with this emission unit.
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Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Printing press and dryer

Manufacturer: Hantscho	Model number: Mark 16A Dryer Model: ASI-A1108SM	Serial number:
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Construction date: NA	Installation date: 1989	Modification date(s): 1998
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Design Capacity (examples: furnaces - tons/hr, tanks - gallons): See below

Maximum Hourly Throughput: Paper 6,135 lbs., Ink 14.11 lbs., and Fountain Solution 2.23 lbs.	Maximum Annual Throughput: Paper 26,871.3 tons, Ink 61.8 tons, Fountain Solution 9.77 tons.	Maximum Operating Schedule: 8,760 hours/year
---	--	--

Fuel Usage Data (fill out all applicable fields)

Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, is it? <input type="checkbox"/> Indirect Fired <input checked="" type="checkbox"/> Direct Fired
--	---

Maximum design heat input and/or maximum horsepower rating: 3.0 MMBtu/hr	Type and Btu/hr rating of burners: 1.5 MMBtu/hr per dryer.
--	--

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.
Natural Gas: 0.003 MM ft³/HR and 24.98 MM ft³/year
Propane: 32.79 gal/hr and 287,213 gal/year

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural Gas	NA	NA	1,052 Btu/ft ³
Propane	123 ppm	NA	91,500 Btu/gal

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0.25	1.08
Nitrogen Oxides (NO _x)	0.46	2.01
Lead (Pb)	NA	NA
Particulate Matter (PM ₁₀)	NA	NA
Total Particulate Matter (TSP)	0.022	0.10
Sulfur Dioxide (SO ₂)	0.032	0.14
Volatile Organic Compounds (VOC)	5.42	23.74
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Natural Gas:

Emission factors are from AP-42 1.4 dated July 1998. Emission factors were scaled up to account for the higher heat content of the fuel. The default given in AP-42 is 1,020 Btu/ft³ and the natural gas supplier indicated an actual heat content of 1,052 Btu/ft³.

Propane:

Emission factors are from AP-42 1.5 dated October 1996.

Natural gas emissions are to be used for permitting due to higher emissions from combustion of that fuel.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the rule citation and/or permit with the condition number. If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

- Pound per hour emission limits III.B.2.a.vi.
- Tons per year emission limits III.B.2.a.vii.
- No objectionable odors III.B.1.b.i.
- Opacity not to exceed 20 percent III.B.2.a.i
- Opacity not to exceed 40 percent for more than 5 minutes in a 60 minute period III.B.2.a.ii.
- Hazardous Particulate Matter Emissions III.B.2.a.v.
- Minimize Fugitive Particulate Matter Emission III.B.1.a.iii.
- Particulate Matter Loading Tests III.B.1.a.v.
- Other Air Pollution Emissions (upon directors request) III.B.1.a.vi.
- Equipment Malfunction Allowance (must notify director within 24 hours) III.B.1.a.vii.
- Submit Standby Plans for Reducing Air Emissions Upon Request III.B.1.a.viii.
- Compliance Tests Upon Request III.B.1.ix.
- Suspension of Permit III.B.1.x.
- Suspension of Permit III.B.1.xi.
- Natural Gas Usage III.E.3.
- Propane Usage III.E.3.
- Emission Inventory III.B.2.a.x.
- Compliance Testing III.B.1.a.xiv.
- Newly Applicable Requirement III.B.1.a.xii

X Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

- Pound per hour emission limits - recordkeeping according to III.C.2.
- Tons per year emission limits - recordkeeping according to III.C.2.
- No objectionable odors - recordkeeping according to III.C.5.
- Opacity not to exceed 20% - visual inspection and recordkeeping III.C.1.
- Opacity not to exceed 40% - visual inspection and recordkeeping III.C.1.
- Hazardous Particulate Matter Emissions - NA III.B.2.a.v.
- Minimize Fugitive Particulate Matter Emission - NA III.B.1.a.iii.
- Particulate Matter Loading Tests - testing upon directors request III.B.1.a.v.
- Other Air Pollution Emissions - testing upon directors request III.B.1.vi.
- Equipment Malfunction Allowance - application for exceedance III.B.1.a.viii.
- Submit Standby Plans for Reducing Air Emissions – upon request III.B.1.a.viii.
- Compliance Tests - Upon Request III.B.1.ix.
- Suspension of Permit - NA III.B.1.x.
- Suspension of Permit - NA III.B.1.xi.
- Natural Gas Usage - recordkeeping III.C.2.
- Propane Usage - recordkeeping III.C.2.
- Emission Inventory - submit report annually III.B.2.a.x.
- Compliance Testing - conduct as required III.B.1.a.xiv.
- Newly Applicable Requirement - notify and submit compliance schedule III.B.1.a.xii

Are you in compliance with all applicable requirements for this emission unit? X Yes ___No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number: 3E	Emission unit name: Press 3 Dryer	List any control devices associated with this emission unit.
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Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Printing press and dryer.

Manufacturer: Hantscho	Model number: Mark 5A Dryer Model: ASI-A1108SM	Serial number:
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Construction date: NA	Installation date: 1989	Modification date(s): 1998
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Design Capacity (examples: furnaces - tons/hr, tanks - gallons): See below

Maximum Hourly Throughput: Paper 5,350 lbs., Ink 12.31 lbs., Fountain Solution 2.23 lbs.	Maximum Annual Throughput: Paper 23,433 tons, Ink 53.92 tons, Fountain Solution 9.77 tons.	Maximum Operating Schedule: 8,760 hours/year
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Fuel Usage Data (fill out all applicable fields)

Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, is it? <input type="checkbox"/> Indirect Fired <input type="checkbox"/> Direct Fired
--	--

Maximum design heat input and/or maximum horsepower rating: 3.0 MMBtu/hr	Type and Btu/hr rating of burners: 1.5 MMBtu/hr per dryer.
--	--

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.
Natural Gas: 0.003 MM ft³/HR and 24.98 MM ft³/year
Propane: 32.79 gal/hr and 287,213 gal/year

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural Gas	NA	NA	1,052 Btu/ft ³
Propane	123 ppm	NA	91,500 Btu/gal

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0.25	1.08
Nitrogen Oxides (NO _x)	0.46	2.01
Lead (Pb)	NA	NA
Particulate Matter (PM ₁₀)	NA	NA
Total Particulate Matter (TSP)	0.022	0.10
Sulfur Dioxide (SO ₂)	0.032	0.14
Volatile Organic Compounds (VOC)	4.77	20.89
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Natural Gas:

Emission factors are from AP-42 1.4 dated July 1998. Emission factors were scaled up to account for the higher heat content of the fuel. The default given in AP-42 is 1,020 Btu/ft³ and the natural gas supplier indicated an actual heat content of 1,052 Btu/ft³.

Propane:

Emission factors are from AP-42 1.5 dated October 1996.

Natural gas emissions are to be used for permitting due to higher emissions from combustion of that fuel.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the rule citation and/or permit with the condition number. If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

- Pound per hour emission limits III.B.2.a.vi.
- Tons per year emission limits III.B.2.a.vii.
- No objectionable odors III.B.1.b.i.
- Opacity not to exceed 20 percent III.B.2.a.i
- Opacity not to exceed 40 percent for more than 5 minutes in a 60 minute period III.B.2.a.ii.
- Hazardous Particulate Matter Emissions III.B.2.a.v.
- Minimize Fugitive Particulate Matter Emission III.B.1.a.iii.
- Particulate Matter Loading Tests III.B.1.a.v.
- Other Air Pollution Emissions (upon directors request) III.B.1.a.vi.
- Equipment Malfunction Allowance (must notify director within 24 hours) III.B.1a.vii.
- Submit Standby Plans for Reducing Air Emissions Upon Request III.B.1.a.viii.
- Compliance Tests Upon Request III.B.1.ix.
- Suspension of Permit III.B.1.x.
- Suspension of Permit III.B.1.xi.
- Natural Gas Usage III.E.3.
- Propane Usage III.E.3.
- Emission Inventory III.B.2.a.x.
- Compliance Testing III.B.1.a.xiv.
- Newly Applicable Requirement III.B.1.a.xii.

X Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

- Pound per hour emission limits - recordkeeping according to III.C.2.
- Tons per year emission limits - recordkeeping according to III.C.2.
- No objectionable odors - recordkeeping according to III.C.5.
- Opacity not to exceed 20% - visual inspection and recordkeeping III.C.1.
- Opacity not to exceed 40% - visual inspection and recordkeeping III.C.1.
- Hazardous Particulate Matter Emissions - NA III.B.2.a.v.
- Minimize Fugitive Particulate Matter Emission - NA III.B.1.a.iii.
- Particulate Matter Loading Tests - testing upon directors request III.B.1.a.v.
- Other Air Pollution Emissions - testing upon directors request III.B.1.vi.
- Equipment Malfunction Allowance - application for exceedance III.B.1.a.viii.
- Submit Standby Plans for Reducing Air Emissions – upon request III.B.1.a.viii.
- Compliance Tests - Upon Request III.B.1.ix.
- Suspension of Permit - NA III.B.1.x.
- Suspension of Permit - NA III.B.1.xi.
- Natural Gas Usage - recordkeeping III.C.2.
- Propane Usage - recordkeeping III.C.2.
- Emission Inventory - submit report annually III.B.2.a.x.
- Compliance Testing - conduct as required III.B.1.a.xiv.
- Newly Applicable Requirement - notify and submit compliance schedule III.B.1.a.xii.

Are you in compliance with all applicable requirements for this emission unit? X Yes ___No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number: 4E	Emission unit name: Press 4 Dryer	List any control devices associated with this emission unit.
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Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Printing press and dryer

Manufacturer: Man Roland	Model number: Octman Web Offset Printing Unit Dryer Model: ASI-1402RB	Serial number:
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Construction date: NA	Installation date: 1989	Modification date(s): 1998
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Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

Maximum Hourly Throughput: Paper 8,310 lbs., Ink 19.12 lbs., Fountain Solution 2.40 lbs.	Maximum Annual Throughput: Paper 36,398 tons, Ink 83.75 tons, Fountain Solution 10.512 tons	Maximum Operating Schedule: 8,760 hours/year
---	--	--

Fuel Usage Data (fill out all applicable fields)

Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, is it? <input type="checkbox"/> Indirect Fired <input checked="" type="checkbox"/> Direct Fired
--	---

Maximum design heat input and/or maximum horsepower rating: 4.0 MMBtu/hr	Type and Btu/hr rating of burners: 2.0 MMBtu/hr per dryer.
--	--

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.
Natural Gas: 0.0038 MM ft³/HR and 33.31 MM ft³/year
Propane: 43.72 gal/hr and 382,951 gal/year

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural Gas	NA	NA	1,052 Btu/ft ³
Propane	123 ppm	NA	91,500 Btu/gal

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0.33	1.44
Nitrogen Oxides (NO _x)	0.61	2.68
Lead (Pb)	NA	NA
Particulate Matter (PM ₁₀)	NA	NA
Total Particulate Matter (TSP)	0.03	0.13
Sulfur Dioxide (SO ₂)	0.042	0.18
Volatile Organic Compounds (VOC)	7.26	31.76
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Natural Gas:

Emission factors are from AP-42 1.4 dated July 1998. Emission factors were scaled up to account for the higher heat content of the fuel. The default given in AP-42 is 1,020 Btu/ft³ and the natural gas supplier indicated an actual heat content of 1,052 Btu/ft³.

Propane:

Emission factors are from AP-42 1.5 dated October 1996.

Natural gas emissions are to be used for permitting due to higher emissions from combustion of that fuel.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the rule citation and/or permit with the condition number. If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

- Pound per hour emission limits III.B.2.a.vi.
- Tons per year emission limits III.B.2.a.vii.
- No objectionable odors III.B.1.b.i.
- Opacity not to exceed 20 percent III.B.2.a.i
- Opacity not to exceed 40 percent for more than 5 minutes in a 60 minute period III.B.2.a.ii.
- Hazardous Particulate Matter Emissions III.B.2.a.v.
- Minimize Fugitive Particulate Matter Emission III.B.1.a.iii.
- Particulate Matter Loading Tests III.B.1.a.v.
- Other Air Pollution Emissions (upon directors request) III.B.1.a.vi.
- Equipment Malfunction Allowance (must notify director within 24 hours) III.B.1a.vii.
- Submit Standby Plans for Reducing Air Emissions Upon Request III.B.1.a.viii.
- Compliance Tests Upon Request III.B.1.ix.
- Suspension of Permit III.B.1.x.
- Suspension of Permit III.B.1.xi.
- Natural Gas Usage III.E.3.
- Propane Usage III.E.3.
- Emission Inventory III.B.2.a.x.
- Compliance Testing III.B.1.a.xiv.
- Newly Applicable Requirement III.B.1.a.xii.

X Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

- Pound per hour emission limits - recordkeeping according to III.C.2.
- Tons per year emission limits - recordkeeping according to III.C.2.
- No objectionable odors - recordkeeping according to III.C.5.
- Opacity not to exceed 20% - visual inspection and recordkeeping III.C.1.
- Opacity not to exceed 40% - visual inspection and recordkeeping III.C.1.
- Hazardous Particulate Matter Emissions - NA III.B.2.a.v.
- Minimize Fugitive Particulate Matter Emission - NA III.B.1.a.iii.
- Particulate Matter Loading Tests - testing upon directors request III.B.1.a.v.
- Other Air Pollution Emissions - testing upon directors request III.B.1.vi.
- Equipment Malfunction Allowance - application for exceedance III.B.1.a.viii.
- Submit Standby Plans for Reducing Air Emissions – upon request III.B.1.a.viii.
- Compliance Tests - Upon Request III.B.1.ix.
- Suspension of Permit - NA III.B.1.x.
- Suspension of Permit - NA III.B.1.xi.
- Natural Gas Usage - recordkeeping III.C.2.
- Propane Usage - recordkeeping III.C.2.
- Emission Inventory - submit report annually III.B.2.a.x.
- Compliance Testing - conduct as required III.B.1.a.xiv.
- Newly Applicable Requirement - notify and submit compliance schedule III.B.1.a.xii.

Are you in compliance with all applicable requirements for this emission unit? X Yes ___No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number: 5E	Emission unit name: Press 5 Dryer	List any control devices associated with this emission unit.
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Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Printing press and dryer

Manufacturer: Man Roland	Model number: Lithoman Web Offset Printing Unit Dryer Model: ASI-1402RB	Serial number:
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Construction date: NA	Installation date: 1989	Modification date(s): 1998
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Design Capacity (examples: furnaces - tons/hr, tanks - gallons): See below

Maximum Hourly Throughput: Paper 10,610 lbs., Ink 24.41 lbs., Fountain Solution 3.10 lbs.	Maximum Annual Throughput: Paper 46,472 tons, Ink 106.92 tons, Fountain Solution 13.58 tons.	Maximum Operating Schedule: 8,760 hours/year
--	---	--

Fuel Usage Data (fill out all applicable fields)

Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, is it? <input type="checkbox"/> Indirect Fired <input checked="" type="checkbox"/> Direct Fired
--	---

Maximum design heat input and/or maximum horsepower rating: 4.0 MMBtu/hr	Type and Btu/hr rating of burners: 2.0 MMBtu/hr per dryer.
--	--

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.
Natural Gas: 0.0038 MM ft³/HR and 33.31 MM ft³/year
Propane: 43.72 gal/hr and 382,951 gal/year

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural Gas	NA	NA	1,052 Btu/ft ³
Propane	123 ppm	NA	91,500 Btu/gal

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0.33	1.44
Nitrogen Oxides (NO _x)	0.61	2.68
Lead (Pb)	NA	NA
Particulate Matter (PM ₁₀)	NA	NA
Total Particulate Matter (TSP)	0.03	0.13
Sulfur Dioxide (SO ₂)	0.042	0.18
Volatile Organic Compounds (VOC)	9.26	40.54
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Natural Gas:

Emission factors are from AP-42 1.4 dated July 1998. Emission factors were scaled up to account for the higher heat content of the fuel. The default given in AP-42 is 1,020 Btu/ft³ and the natural gas supplier indicated an actual heat content of 1,052 Btu/ft³.

Propane:

Emission factors are from AP-42 1.5 dated October 1996.

Natural gas emissions are to be used for permitting due to higher emissions from combustion of that fuel.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the rule citation and/or permit with the condition number. If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

- Pound per hour emission limits III.B.2.a.vi.
- Tons per year emission limits III.B.2.a.vii.
- No objectionable odors III.B.1.b.i.
- Opacity not to exceed 20 percent III.B.2.a.i
- Opacity not to exceed 40 percent for more than 5 minutes in a 60 minute period III.B.2.a.ii.
- Hazardous Particulate Matter Emissions III.B.2.a.v.
- Minimize Fugitive Particulate Matter Emission III.B.1.a.iii.
- Particulate Matter Loading Tests III.B.1.a.v.
- Other Air Pollution Emissions (upon directors request) III.B.1.a.vi.
- Equipment Malfunction Allowance (must notify director within 24 hours) III.B.1a.vii.
- Submit Standby Plans for Reducing Air Emissions Upon Request III.B.1.a.viii.
- Compliance Tests Upon Request III.B.1.ix.
- Suspension of Permit III.B.1.x.
- Suspension of Permit III.B.1.xi.
- Natural Gas Usage III.E.3.
- Propane Usage III.E.3.
- Emission Inventory III.B.2.a.x.
- Compliance Testing III.B.1.a.xiv.
- Newly Applicable Requirement III.B.1.a.xii.

X Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

- Pound per hour emission limits - recordkeeping according to III.C.2.
- Tons per year emission limits - recordkeeping according to III.C.2.
- No objectionable odors - recordkeeping according to III.C.5.
- Opacity not to exceed 20% - visual inspection and recordkeeping III.C.1.
- Opacity not to exceed 40% - visual inspection and recordkeeping III.C.1.
- Hazardous Particulate Matter Emissions - NA III.B.2.a.v.
- Minimize Fugitive Particulate Matter Emission - NA III.B.1.a.iii.
- Particulate Matter Loading Tests - testing upon directors request III.B.1.a.v.
- Other Air Pollution Emissions - testing upon directors request III.B.1.vi.
- Equipment Malfunction Allowance - application for exceedance III.B.1.a.viii.
- Submit Standby Plans for Reducing Air Emissions – upon request III.B.1.a.viii.
- Compliance Tests - Upon Request III.B.1.ix.
- Suspension of Permit - NA III.B.1.x.
- Suspension of Permit - NA III.B.1.xi.
- Natural Gas Usage - recordkeeping III.C.2.
- Propane Usage - recordkeeping III.C.2.
- Emission Inventory - submit report annually III.B.2.a.x.
- Compliance Testing - conduct as required III.B.1.a.xiv.
- Newly Applicable Requirement - notify and submit compliance schedule III.B.1.a.xii.

Are you in compliance with all applicable requirements for this emission unit? X Yes ___No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number: 6E	Emission unit name: Press 6 Dryer	List any control devices associated with this emission unit.
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Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Printing press and dryer

Manufacturer: Harris	Model number: M110B Press Dryer Model: TEC Model 2C-10	Serial number:
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Construction date: NA	Installation date: 2001	Modification date(s): NA
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Design Capacity (examples: furnaces - tons/hr, tanks - gallons): See below

Maximum Hourly Throughput: Paper 5,350 lbs., Ink 12.31 lbs., Fountain Solution 2.23 lbs.	Maximum Annual Throughput: Paper 23,433 tons, Ink 53.92 tons, Fountain Solution 9.77 tons	Maximum Operating Schedule: 8.760 hours/year
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Fuel Usage Data (fill out all applicable fields)

Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, is it? <input type="checkbox"/> Indirect Fired <input checked="" type="checkbox"/> Direct Fired
--	---

Maximum design heat input and/or maximum horsepower rating: 2.6 MMBtu/hr	Type and Btu/hr rating of burners: 1.3 MMBtu/hr per dryer.
--	--

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.
Natural Gas: 0.0025 MM ft³/HR and 21.82 MM ft³/year
Propane: 20.6 gal/hr and 180,456 gal/year

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural Gas	NA	NA	1,052 Btu/ft ³
Propane	123 ppm	NA	91,500 Btu/gal

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0.22	0.95
Nitrogen Oxides (NO _x)	0.29	1.26
Lead (Pb)	NA	NA
Particulate Matter (PM ₁₀)	NA	NA
Total Particulate Matter (TSP)	0.02	0.09
Sulfur Dioxide (SO ₂)	0.02	0.09
Volatile Organic Compounds (VOC)	4.77	20.88
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Natural Gas:

Emission factors are from AP-42 1.4 dated July 1998. Emission factors were scaled up to account for the higher heat content of the fuel. The default given in AP-42 is 1,020 Btu/ft³ and the natural gas supplier indicated an actual heat content of 1,052 Btu/ft³.

Propane:

Emission factors are from AP-42 1.5 dated October 1996.

Natural gas emissions are to be used for permitting due to higher emissions from combustion of that fuel.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the rule citation and/or permit with the condition number. If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

- Pound per hour emission limits III.B.2.a.vi.
- Tons per year emission limits III.B.2.a.vii.
- No objectionable odors III.B.1.b.i.
- Opacity not to exceed 20 percent III.B.2.a.i
- Opacity not to exceed 40 percent for more than 5 minutes in a 60 minute period III.B.2.a.ii.
- Hazardous Particulate Matter Emissions III.B.2.a.v.
- Minimize Fugitive Particulate Matter Emission III.B.1.a.iii.
- Particulate Matter Loading Tests III.B.1.a.v.
- Other Air Pollution Emissions (upon directors request) III.B.1.a.vi.
- Equipment Malfunction Allowance (must notify director within 24 hours) III.B.1a.vii.
- Submit Standby Plans for Reducing Air Emissions Upon Request III.B.1.a.viii.
- Compliance Tests Upon Request III.B.1.ix.
- Suspension of Permit III.B.1.x.
- Suspension of Permit III.B.1.xi.
- Natural Gas Usage III.E.3.
- Propane Usage III.E.3.
- Emission Inventory III.B.2.a.x.
- Compliance Testing III.B.1.a.xiv.
- Newly Applicable Requirement III.B.1.a.xii.

X Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

- Pound per hour emission limits - recordkeeping according to III.C.2.
- Tons per year emission limits - recordkeeping according to III.C.2.
- No objectionable odors - recordkeeping according to III.C.5.
- Opacity not to exceed 20% - visual inspection and recordkeeping III.C.1.
- Opacity not to exceed 40% - visual inspection and recordkeeping III.C.1.
- Hazardous Particulate Matter Emissions - NA III.B.2.a.v.
- Minimize Fugitive Particulate Matter Emission - NA III.B.1.a.iii.
- Particulate Matter Loading Tests - testing upon directors request III.B.1.a.v.
- Other Air Pollution Emissions - testing upon directors request III.B.1.vi.
- Equipment Malfunction Allowance - application for exceedance III.B.1.a.viii.
- Submit Standby Plans for Reducing Air Emissions – upon request III.B.1.a.viii.
- Compliance Tests - Upon Request III.B.1.ix.
- Suspension of Permit - NA III.B.1.x.
- Suspension of Permit - NA III.B.1.xi.
- Natural Gas Usage - recordkeeping III.C.2.
- Propane Usage - recordkeeping III.C.2.
- Emission Inventory - submit report annually III.B.2.a.x.
- Compliance Testing - conduct as required III.B.1.a.xiv.
- Newly Applicable Requirement - notify and submit compliance schedule III.B.1.a.xii.

Are you in compliance with all applicable requirements for this emission unit? X Yes ___No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number: 7E	Emission unit name: Press 7 Dryer	List any control devices associated with this emission unit.
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Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Printing press and dryer

Manufacturer: Harris	Model number: M110B Press Dryer Model: TEC Model 2C-10	Serial number:
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Construction date: NA	Installation date: 2001	Modification date(s): NA
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Design Capacity (examples: furnaces - tons/hr, tanks - gallons): See below

Maximum Hourly Throughput: Paper 3,675 lbs., Ink 7.055 lbs., Fountain Solution 1.2 lbs.	Maximum Annual Throughput: Paper 16,097 tons, Ink 30.9 tons, Fountain Solution 5.26 tons	Maximum Operating Schedule: 8,760 hours/year
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Fuel Usage Data (fill out all applicable fields)

Does this emission unit combust fuel? X Yes ___ No	If yes, is it? ___ Indirect Fired X Direct Fired
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Maximum design heat input and/or maximum horsepower rating: 2.4 MMBtu/hr	Type and Btu/hr rating of burners: 1.2 MMBtu/hr per dryer.
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List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.
Natural Gas: 0.0011 MM ft³/HR and 9.99 MM ft³/year
Propane: 13.11 gal/hr and 114,885 gal/year

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural Gas	NA	NA	1,052 Btu/ft ³
Propane	123 ppm	NA	91,500 Btu/gal

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0.20	0.87
Nitrogen Oxides (NO _x)	0.37	1.61
Lead (Pb)	NA	NA
Particulate Matter (PM ₁₀)	NA	NA
Total Particulate Matter (TSP)	0.018	0.08
Sulfur Dioxide (SO ₂)	0.025	0.11
Volatile Organic Compounds (VOC)	2.73	11.95
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Natural Gas:

Emission factors are from AP-42 1.4 dated July 1998. Emission factors were scaled up to account for the higher heat content of the fuel. The default given in AP-42 is 1,020 Btu/ft³ and the natural gas supplier indicated an actual heat content of 1,052 Btu/ft³.

Propane:

Emission factors are from AP-42 1.5 dated October 1996.

Natural gas emissions are to be used for permitting due to higher emissions from combustion of that fuel.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the rule citation and/or permit with the condition number. If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

- Pound per hour emission limits III.B.2.a.vi.
- Tons per year emission limits III.B.2.a.vii.
- No objectionable odors III.B.1.b.i.
- Opacity not to exceed 20 percent III.B.2.a.i
- Opacity not to exceed 40 percent for more than 5 minutes in a 60 minute period III.B.2.a.ii.
- Hazardous Particulate Matter Emissions III.B.2.a.v.
- Minimize Fugitive Particulate Matter Emission III.B.1.a.iii.
- Particulate Matter Loading Tests III.B.1.a.v.
- Other Air Pollution Emissions (upon directors request) III.B.1.a.vi.
- Equipment Malfunction Allowance (must notify director within 24 hours) III.B.1a.vii.
- Submit Standby Plans for Reducing Air Emissions Upon Request III.B.1.a.viii.
- Compliance Tests Upon Request III.B.1.ix.
- Suspension of Permit III.B.1.x.
- Suspension of Permit III.B.1.xi.
- Natural Gas Usage III.E.3.
- Propane Usage III.E.3.
- Emission Inventory III.B.2.a.x.
- Compliance Testing III.B.1.a.xiv.
- Newly Applicable Requirement III.B.1.a.xii.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

- Pound per hour emission limits - recordkeeping according to III.C.2.
- Tons per year emission limits - recordkeeping according to III.C.2.
- No objectionable odors - recordkeeping according to III.C.5.
- Opacity not to exceed 20% - visual inspection and recordkeeping III.C.1.
- Opacity not to exceed 40% - visual inspection and recordkeeping III.C.1.
- Hazardous Particulate Matter Emissions - NA III.B.2.a.v.
- Minimize Fugitive Particulate Matter Emission - NA III.B.1.a.iii.
- Particulate Matter Loading Tests - testing upon directors request III.B.1.a.v.
- Other Air Pollution Emissions - testing upon directors request III.B.1.vi.
- Equipment Malfunction Allowance - application for exceedance III.B.1.a.viii.
- Submit Standby Plans for Reducing Air Emissions – upon request III.B.1.a.viii.
- Compliance Tests - Upon Request III.B.1.ix.
- Suspension of Permit - NA III.B.1.x.
- Suspension of Permit - NA III.B.1.xi.
- Natural Gas Usage - recordkeeping III.C.2.
- Propane Usage - recordkeeping III.C.2.
- Emission Inventory - submit report annually III.B.2.a.x.
- Compliance Testing - conduct as required III.B.1.a.xiv.
- Newly Applicable Requirement - notify and submit compliance schedule III.B.1.a.xii.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number: 13E	Emission unit name: Press 8 Dryer	List any control devices associated with this emission unit.
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Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Printing press and dryer.

Manufacturer: Hantscho	Model number: Mark 16A	Serial number:
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Construction date: 1995	Installation date: 2003	Modification date(s): NA
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Design Capacity (examples: furnaces - tons/hr, tanks - gallons): See below

Maximum Hourly Throughput: Paper 6,135 lbs., Ink 14.11 lbs., and Fountain Solution 2.23 lbs.	Maximum Annual Throughput: Paper 26,871.3 tons, Ink 61.8 tons, Fountain Solution 9.77 tons.	Maximum Operating Schedule: 8,760 hours/yr
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Fuel Usage Data (fill out all applicable fields)

Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, is it? <input type="checkbox"/> Indirect Fired <input checked="" type="checkbox"/> Direct Fired
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Maximum design heat input and/or maximum horsepower rating: 2.6 MMBtu/hr	Type and Btu/hr rating of burners: 1.3 MMBtu/hr per dryer.
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List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.
Natural Gas: 0.0025 MM ft³/HR and 21.58 MM ft³/year
Propane: 28.33 gal/hr and 248,152 gal/year

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural Gas	NA	NA	1,052 Btu/ft ³
Propane	123 ppm	NA	91,500 Btu/gal

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0.21	0.93
Nitrogen Oxides (NO _x)	0.40	1.74
Lead (Pb)	NA	NA
Particulate Matter (PM ₁₀)	NA	NA
Total Particulate Matter (TSP)	0.019	0.08
Sulfur Dioxide (SO ₂)	0.027	0.12
Volatile Organic Compounds (VOC)	5.41	23.72
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Natural Gas:

Emission factors are from AP-42 1.4 dated July 1998. Emission factors were scaled up to account for the higher heat content of the fuel. The default given in AP-42 is 1,020 Btu/ft³ and the natural gas supplier indicated an actual heat content of 1,052 Btu/ft³.

Propane:

Emission factors are from AP-42 1.5 dated October 1996.

Natural gas emissions are to be used for permitting due to higher emissions from combustion of that fuel.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the rule citation and/or permit with the condition number. If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

- Pound per hour emission limits III.B.2.a.vi.
- Tons per year emission limits III.B.2.a.vii.
- No objectionable odors III.B.1.b.i.
- Opacity not to exceed 20 percent III.B.2.a.i
- Opacity not to exceed 40 percent for more than 5 minutes in a 60 minute period III.B.2.a.ii.
- Hazardous Particulate Matter Emissions III.B.2.a.v.
- Minimize Fugitive Particulate Matter Emission III.B.1.a.iii.
- Particulate Matter Loading Tests III.B.1.a.v.
- Other Air Pollution Emissions (upon directors request) III.B.1.a.vi.
- Equipment Malfunction Allowance (must notify director within 24 hours) III.B.1a.vii.
- Submit Standby Plans for Reducing Air Emissions Upon Request III.B.1.a.viii.
- Compliance Tests Upon Request III.B.1.ix.
- Suspension of Permit III.B.1.x.
- Suspension of Permit III.B.1.xi.
- Natural Gas Usage III.E.3.
- Propane Usage III.E.3.
- Emission Inventory III.B.2.a.x.
- Compliance Testing III.B.1.a.xiv.
- Newly Applicable Requirement III.B.1.a.xii.

X Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

- Pound per hour emission limits - recordkeeping according to III.C.2.
- Tons per year emission limits - recordkeeping according to III.C.2.
- No objectionable odors - recordkeeping according to III.C.5.
- Opacity not to exceed 20% - visual inspection and recordkeeping III.C.1.
- Opacity not to exceed 40% - visual inspection and recordkeeping III.C.1.
- Hazardous Particulate Matter Emissions - NA III.B.2.a.v.
- Minimize Fugitive Particulate Matter Emission - NA III.B.1.a.iii.
- Particulate Matter Loading Tests - testing upon directors request III.B.1.a.v.
- Other Air Pollution Emissions - testing upon directors request III.B.1.vi.
- Equipment Malfunction Allowance - application for exceedance III.B.1.a.viii.
- Submit Standby Plans for Reducing Air Emissions – upon request III.B.1.a.viii.
- Compliance Tests - Upon Request III.B.1.ix.
- Suspension of Permit - NA III.B.1.x.
- Suspension of Permit - NA III.B.1.xi.
- Natural Gas Usage - recordkeeping III.C.2.
- Propane Usage - recordkeeping III.C.2.
- Emission Inventory - submit report annually III.B.2.a.x.
- Compliance Testing - conduct as required III.B.1.a.xiv.
- Newly Applicable Requirement - notify and submit compliance schedule III.B.1.a.xii.

Are you in compliance with all applicable requirements for this emission unit? X Yes ___No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number: 8S, 9S, 10S, and 11S	Emission unit name: Gather Binder Trim 1, 2, 3, and 4	List any control devices associated with this emission unit.
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Provide a description of the emission unit (type, method of operation, design parameters, etc.):
 Book assembly units using water-based glue and hot melt adhesive.

Manufacturer: Muller Martini	Model number:	Serial number:
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Construction date: 1989	Installation date: 1989	Modification date(s): NA
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Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

Maximum Hourly Throughput: 60,000 books	Maximum Annual Throughput: 525,600,000 books	Maximum Operating Schedule: 8,760 hours/year
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Fuel Usage Data (fill out all applicable fields)

Does this emission unit combust fuel? ___ Yes <input checked="" type="checkbox"/> No	If yes, is it? ___ Indirect Fired ___ Direct Fired
---	--

Maximum design heat input and/or maximum horsepower rating: NA	Type and Btu/hr rating of burners: NA
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List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.
 NA

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
NA			

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0.288	1.259
Nitrogen Oxides (NO _x)	NA	NA
Lead (Pb)	NA	NA
Particulate Matter (PM ₁₀)	NA	NA
Total Particulate Matter (TSP)	0.288	1.259
Sulfur Dioxide (SO ₂)	NA	NA
Volatile Organic Compounds (VOC)	2.121	9.29
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Pollutant concentration data from MSDS's were used in conjunction with glue usage data to determine emissions. These emissions are the aggregate from all for Gather Binder Trim Units.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the rule citation and/or permit with the condition number. If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

- Pound per hour emission limits III.B.2.a.vi.
- Tons per year emission limits III.B.2.a.vii.
- No objectionable odors III.B.1.b.i.
- Opacity not to exceed 20 percent III.B.2.a.i
- Opacity not to exceed 40 percent for more than 5 minutes in a 60 minute period III.B.2.a.ii.
- Hazardous Particulate Matter Emissions III.B.2.a.v.
- Minimize Fugitive Particulate Matter Emission III.B.1.a.iii.
- Particulate Matter Loading Tests III.B.1.a.v.
- Other Air Pollution Emissions (upon directors request) III.B.1.a.vi.
- Equipment Malfunction Allowance (must notify director within 24 hours) III.B.1a.vii.
- Submit Standby Plans for Reducing Air Emissions Upon Request III.B.1.a.viii.
- Compliance Tests Upon Request III.B.1.ix.
- Suspension of Permit III.B.1.x.
- Suspension of Permit III.B.1.xi.

X Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

- Pound per hour emission limits - recordkeeping according to III.C.2.
- Tons per year emission limits - recordkeeping according to III.C.2.
- No objectionable odors - recordkeeping according to III.C.5.
- Opacity not to exceed 20% - visual inspection and recordkeeping III.C.1.
- Opacity not to exceed 40% - visual inspection and recordkeeping III.C.1.
- Hazardous Particulate Matter Emissions - NA III.B.2.a.v.
- Minimize Fugitive Particulate Matter Emission - NA III.B.1.a.iii.
- Particulate Matter Loading Tests - testing upon directors request III.B.1.a.v.
- Other Air Pollution Emissions - testing upon directors request III.B.1.vi.
- Equipment Malfunction Allowance - application for exceedance III.B.1.a.viii.
- Submit Standby Plans for Reducing Air Emissions - upon request III.B.1.a.viii.
- Compliance Tests - Upon Request III.B.1.ix.
- Suspension of Permit - NA III.B.1.x.
- Suspension of Permit - NA III.B.1.xi.

Are you in compliance with all applicable requirements for this emission unit? X Yes ___No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

ATTACHMENT F

SCHEDULE OF COMPLIANCE FORM(S)

