

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES  
BUREAU OF AIR QUALITY CONTROL



**OPERATING PERMIT**

In accordance with provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and after due consideration of an application received under Chapter 127 of the rules and regulations of the Department of Environmental Resources, the Department hereby issues this permit for the operation of the air contamination source(s) described below.

Permit No.:	<u>OP-18-0002</u>	Source &	<u>rotogravure printing operation</u>
Owner:	<u>Armstrong World Industries, Inc.</u>	Air	<u>as described herein</u>
		Cleaning	<u></u>
Address:	<u>P.O. Box 405</u>	Device:	<u></u>
	<u>Beech Creek, PA 16822</u>		<u></u>
Attn:	<u>Mr. Peter A. Scaccia</u>	Location:	<u>Beech Creek Township</u>
	<u>Plant Manager</u>		<u>Clinton County</u>

This permit is subject to the following conditions:

1. That the source(s) and any associated air cleaning device(s) are to be:
  - a. operated in such a manner as not to cause air pollution;
  - b. in compliance with the specifications and conditions of the applicable plan approval(s) issued;
  - c. operated and maintained in a manner consistent with good operating and maintenance practices.
  
2. This permit is valid only for the specific equipment, location and owner named above.

See attached for additional conditions.

Failure to comply with the conditions placed on this permit is a violation of Section 127.444. Violation of this or any other provision of Article III of the rules and regulations of the Department of Environmental Resources will result in suspension or revocation of this permit and/or prosecution under Section 9 of the Air Pollution Control Act.

Issued: JUL 06 1995

~~Expires: July 31, 2000~~

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Environmental Program Manager

cc: Hawk Run  
Harrisburg  
File

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~~3. This operating permit incorporates Reasonably Available Control Technology (RACT) determinations as required by Title I provisions of the Clean Air Act Amendments and 25 PA Code Sections 120.01 through 120.05 for volatile organic compound emissions from ink mixing and dispensing equipment, a "make ready" operation, consisting of a Panasonic type 100 size 22 parts washer and a manual cylinder and parts cleaning operation, and a solvent distillation operation.~~

~~This operating permit also contains conditions restricting the operation of various air contamination sources at this facility such that the facility's resultant nitrogen oxide emissions will be below the level which would subject the facility to the Reasonably Available Control Technology (RACT) requirements of 25 PA Code Sections 120.01 through 120.05 for nitrogen oxides. The nitrogen oxides emitting sources at this facility are:~~

- ~~two 0.37 million BTU/hour natural gas/#2 fuel oil fired Cleaver Brooks boilers~~
- ~~one 2.115 million BTU/hour #2 fuel oil fired pump house motor heater~~
- ~~one 15 KW propane fired emergency generator~~
- ~~one 85 horsepower diesel oil fired emergency fire pump~~
- ~~one 0 million BTU/hour natural gas fired Regenerative Environmental Company (REECO) thermal fume incinerator~~

~~4. The expiration date shown on this RACT operating permit is for state purposes. For Federal enforcement purposes, the conditions of this operating permit shall remain in effect as part of the State Implementation Plan (SIP) until replaced pursuant to 40 CFR 51.4 and approved by the U.S. Environmental Protection Agency (EPA). The operating permit shall become enforceable by the U.S. Environmental Protection Agency upon its approval of the above as a revision to the SIP.~~

~~5. This operating permit supersedes operating permit 18-320-001 and includes conditions previously contained in that permit.~~

6. Pursuant to the RACT provisions of Sections 129.91 through 129.95 of Chapter 129 of Article III of the Rules and Regulations of the Department of Environmental Resources, the volatile organic compound emissions from the ink mixing and dispensing equipment, the "make ready" operation and the solvent distillation operation shall be captured with 100% capture efficiency and subsequently subjected to incineration at a destruction efficiency of 92%.

~~The facility shall not use more than 98.6 tons of 1 nitropropane per year.~~

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8. The total combined nitrogen oxides emissions from all operations located at this facility shall not exceed 100 tons per year (as determined by the Department).
9. The company shall maintain comprehensive accurate records of the amount of 1-nitropropane used at this facility as well as the hours that the emergency generator and emergency fire pump are operated and shall report this information to the Department on an annual basis (with the report for each calendar year to be submitted by January 31 of the following year).
- ~~10. If at any time the permittee causes, permits or allows any modification (as that term is defined in Chapter 121 of Title 25, the Rules and Regulations of the Department of Environmental Resources) of the aforementioned air contamination source(s), the operation and use of which is authorized by this permit, or causes, permits or allows any modifications, malfunction or removal of any air pollution control device required as a condition of this permit then and in that event, this permit shall be suspended, and the permittee shall not thereafter continue to operate or use said air contamination source(s).~~
11. The aforementioned source(s) may be operated and used only so long as any associated air pollution control devices are operated and maintained in accordance with the specifications set forth in the respective plan approval(s), and the application(s) submitted for said plan approval(s) (as approved by the Department), and in accordance with any conditions set forth herein.
12. This operating permit is issued for the operation of a custom built 9 station Cerutti rotogravure printing press and associated support facilities consisting of ink mixing and dispensing equipment, two 10,000 gallon solvent storage tanks, a Renzmann type 300 size 22 parts washer, a manual cylinder and parts cleaning operation and several solvent surge tanks as well as for the operation of any additional air contamination sources identified in condition 3 herein.

The volatile organic compound emissions from the rotogravure press are controlled by a Reeco thermal fume incinerator and an emission capture system consisting of a dryer emission capture system and floor sweeps located at each of the press's 9 stations.

The volatile organic compound emissions from the ink mixing and dispensing area, the Renzmann parts washer, the manual cylinder and parts cleaning operations, the two 10,000 gallon solvent storage tanks, the solvent surge tanks and the solvent distillation operation are controlled by the same thermal fume incinerator used for the control of the volatile organic compound emissions from the printing press.

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13. The combined volatile organic compound emissions from the entire Beech Creek rotogravure printing facility shall not equal, or exceed, a total of 250 tons per year (as calculated by the Department). The volatile organic compound emission calculations shall be based on an assumed capture efficiency of 100% and an assumed destruction efficiency of 92% unless the Department notifies the permittee that difficult values are to be used.
14. The company shall maintain comprehensive accurate records of all volatile organic compound usage at the Beech Creek Plant as well as of the amount of any dirty or contaminated volatile organic compounds shipped off-site in liquid form for disposal or recycling.

The company shall also:

- a) read the plant pressure manometers on at least one occasion on all days that the incinerator is in operation and record the readings.
- b) record the incinerator temperature on a continuous basis.
- c) check the incinerator temperature monitoring device for accuracy on a monthly basis and maintain an accuracy of plus or minus 5%. A record of the date and results of each such determination is to be maintained.
- d) determine the incinerator's volatile organic compound destruction efficiency on a quarterly basis using a total hydrocarbon analyzer. A record of the date and results of each such determination is to be maintained.

All records specified in this condition shall be maintained for a period of not less than 5 years and shall be made available to the Department upon request.

15. The company shall notify the Department at any time the material printed in the Beech Creek Plant is used for other than the manufacture of flooring materials.
16. The Reeco incinerator shall be operated at a temperature of at least 1400°F.

~~17. The operation of the aforementioned source(s) shall not at any time result in the emission of any air contaminant in excess of the limitations specified in any condition contained herein or in the emission of volatile organic compounds in excess of the limitations specified in Section 429.67 of Chapter 129 of Article III of the Rules and Regulations of the Department of Environmental Resources, or in the emission of these contaminants or any other type of air contaminant in excess of the limitations specified in, or established pursuant to, any other applicable rule or regulation contained in Article III.~~

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~~9. The company shall immediately notify the Department of any malfunction of the source(s) or associated air cleaning device(s) which results in or may possibly be resulting in the emission of air contaminants in excess of the limitations specified in any condition contained herein, as specified in or established pursuant to any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department of Environmental Resources.~~

~~10. This operating permit is valid for a limited period of time and may be renewed before its expiration. Requests for an operating permit renewal must be in writing and must be accompanied by the appropriate permit application processing and annual permit administration fees as specified in Section 127.703 of the Rules and Regulations of the Department of Environmental Resources. These fees shall be paid in the form of a check payable to the "Commonwealth of Pennsylvania - Clean Air Fund". The request should be made using the appropriate application form and must be received by the Department along with a completed Air Pollution Control Act Compliance Review form no later than July 1, 2000.~~

~~An annual operating permit administration fee is also due pursuant to Section 127.703 no later than 7/31/06, 7/31/07, 7/31/08 and 7/31/09. The administration fee is to be submitted with an Annual Operating Permit Administration Fee Transmittal form.~~

~~All necessary forms can be obtained from the Department upon request.~~

~~20. Any notification required as a result of any condition herein should be directed to: Rhett McEwen, Air Quality Specialist, P.O. Box 209, Hawk Run, PA 16840, telephone (814) 342-0410.~~

