

SUPPLEMENT TO PERMIT NO. 344-00

A & C Electric Co.  
Harrison Township, Michigan  
December 19, 2000

GENERAL CONDITIONS

1. Rule 201(1) - The process or process equipment covered by this permit shall not be reconstructed, relocated, altered, or modified, unless a Permit to Install authorizing such action is issued by the Department, except to the extent such action is exempt from the Permit to Install requirements by any applicable rule.
2. Rule 201(4) - If the installation, reconstruction, relocation, or alteration of the equipment for which this permit has been approved has not commenced within 18 months, or has been interrupted for 18 months, this permit shall become void unless otherwise authorized by the Department. Furthermore, the person to whom this permit was issued, or the designated authorized agent, shall notify the Department via the Supervisor, Permit Section, Air Quality Division, Michigan Department of Environmental Quality, P.O. Box 30260, Lansing, Michigan 48909, if it is decided not to pursue the installation, reconstruction, relocation, or alteration of the equipment allowed by this Permit to Install.
3. Rule 201(6)(a) - If this Permit to Install is issued for a process or process equipment located at a stationary source that is subject to the Renewable Operating Permit program requirements pursuant to R 336.1210, trial operation is allowed by this permit if the equipment performs in accordance with the terms and conditions of this Permit to Install and until the appropriate terms and conditions of this Permit to Install have been incorporated into the Renewable Operating Permit. Upon incorporation of the appropriate terms and conditions into the Renewable Operating Permit, this Permit to Install shall become void.
4. Rules 201(6)(b) - If this Permit to Install is issued for a process or process equipment located at a stationary source that is not subject to the Renewable Operating Permit program requirements pursuant to R 336.1210, operation of the process or process equipment is allowed by this permit if the equipment performs in accordance with the terms and conditions of this Permit to Install.
5. Rule 201(8) and Section 5510 of Act 451, P.A. 1994 - The Department may, after notice and opportunity for a hearing, revoke this Permit to Install if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of this permit or is violating the Department's rules of the Clean Air Act.
6. Rule 219 - The terms and conditions of this Permit to Install shall apply to any person or legal entity that now or hereafter owns or operates the process or process equipment at the location authorized by this Permit to Install. If the new owner or operator submits a written request to the Department pursuant to R 336.1219 and the Department approves the request, this permit will be amended to reflect the change of ownership or operational control. The request must include all of the information required by subrules (1)(a), (b) and (c) of R 336.1219. The written request shall be sent to the District Supervisor, Air Quality Division, Michigan Department of Environmental Quality.
7. Rule 901 - Operation of this equipment shall not result in the emission of an air contaminant which causes injurious effects to human health or safety, animal life, plant life of significant economic value, or property, or which causes unreasonable interference with the comfortable enjoyment of life and property.

8. Rule 912 - The owner or operator of a source, process, or process equipment shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant in excess of standards for more than one hour, or of any air contaminant in excess of standards for more than two hours, as required in this rule, to the District Supervisor, Air Quality Division. The notice shall be provided not later than two business days after start-up, shutdown, or discovery of the abnormal condition or malfunction. Written reports, if required, must be filed with the District Supervisor within 10 days, with the information required in this rule.
9. Approval of this permit does not exempt the person to whom this permit was issued from complying with any future applicable requirements which may be promulgated under Part 55 of Act 451, P.A. 1994 of the Clean Air Act.
10. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.
11. Operation of this equipment may be subject to other requirements of Part 55 of Act 451, P.A. 1994, and the rules promulgated thereunder.
12. Rule 301 - Except as provided in subrules (2), and (3) or unless the special conditions of the Permit to Install include an alternate opacity limit established pursuant to subrule (4) of R 336.1301, a person shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of density greater than the most stringent of the following. The grading of visible emissions shall be determined in accordance with R 336.1303.
  - a) A 6-minute average of 20% opacity, except for one 6-minute average per hour of not more than 27% opacity.
  - b) A visible emission limit specified by an applicable federal new source performance standard.
  - c) A visible emission limit specified as a condition of this permit to install.
13. Rule 370 - Collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner so as to minimize the introduction of contaminants to the outer air. Transport of collected air contaminants in Priority I and II areas requires the use of material handling methods specified in R 336.1370(2).
14. Rule 285 - Except as allowed by Rule 285 (a), (b), and (c), applicant shall not substitute any fuels, coatings, nor raw materials for those described in the application and allowed by this permit, nor make changes to the process or process equipment described in the application, without prior notification to and approval by the Air Quality Division.
15. The Department may require the applicant to conduct acceptable performance tests, at the applicant's expense, in accordance with R 336.2001 and R 336.2003, under any of the conditions listed in R 336.2001.

SPECIAL CONDITIONS  
 December 19, 2000

Emission Unit Identification

Emission Unit	Emission Unit Description	Stack Identification
EU-HEATCLEAN	Bayco model BB-252 heat cleaning oven.	SV1

**EU-HEATCLEAN**

**Emission Limits**

	Pollutant	Equipment	Limit	Time Period	Compliance Method	UAR(s)
1.	Particulate	EU-HEATCLEAN	0.05 pound per 1000 pounds of exhaust gases	-	S.C. 6, 7, 11, 12 and 13	R336.1331
2.	Particulate	EU-HEATCLEAN	0.17 pound	hour	S.C. 6, 7, 11, 12 and 13	R336.1901

**Visible Emission Limits**

- Visible emissions from EU-HEATCLEAN shall not exceed a 6-minute average of 5% opacity. **(R336.1301)**

**Material Usage Limits**

- Permittee shall not process any wire insulation in EU-HEATCLEAN which contains asbestos or chlorides. **(R336.1901, 40 CFR 61 Subpart M)**
- Permittee shall not process more than 300 pounds of coated wire in any given batch in EU-HEATCLEAN. **(R336.1331, R336.1702(a), R336.1901)**

**Process/Operational Limits**

- Permittee shall not operate EU-HEATCLEAN unless the afterburner is installed and operating properly. Proper operation includes maintaining a minimum operating temperature of 1400°F and a minimum residence time of 0.5 second. **(R336.1331, R336.1702(a), R336.1901)**
- Permittee shall not open EU-HEATCLEAN after the cleaning cycle has started. **(R336.1331, R336.1702(a), R336.1901)**
- Permittee shall post the EU-HEATCLEAN operating procedures in a conspicuous place near EU-HEATCLEAN. **(R336.1331, R336.1702(a), R336.1901)**

**Equipment**

9. Permittee shall equip and maintain the afterburner with an operating temperature monitor. **(R336.1331, R336.1702(a), R336.1901)**

**Monitoring**

10. Permittee shall continuously monitor the operating temperature of the afterburner when the EU-HEATCLEAN is operating. **(R336.1331, R336.1702(a), R336.1901)**

**Recordkeeping/Reporting/Notification**

	<b>Parameter</b>	<b>Frequency</b>	<b>Reporting</b>	<b>UAR(s)</b>
11.	Total hours of operation.	Month	Kept on file	R336.1702(a), R336.1901
12.	Operating temperature of the afterburner, while EU-HEATCLEAN is operating.	Continuous	Kept on file	R336.1331, R336.1702(a), R336.1901
13.	Pounds of coated wire processed.	Each batch	Kept on file	R336.1331, R336.1702(a), R336.1901
<b>Separate written records shall be kept on file for period of at least five years and made available to the Department upon request.</b>				

**Stack/Vent Restrictions**

	<b>Stack &amp; Vent ID</b>	<b>Maximum Diameter (inches)</b>	<b>Minimum Height Above Ground Level (feet)</b>	<b>UAR(s)</b>
14.	SV1	16	27	R336.1901
<b>The exhaust gases shall be discharged unobstructed vertically upwards to the ambient air.</b>				