

August 9, 2001

Mr. Delbert Liter  
Reliance Electric  
2855 Michigan Road  
Madison, Indiana 47520

Re: **077-14671-00006**  
First Administrative Amendment to  
**FESOP 077-14124-00006**

Dear Mr. Liter:

Reliance Electric was issued a permit on June 28, 2001 for an electric motor manufacturing source). A letter requesting the addition of an exempt level electric cathodic metal parts coating production line was received on July 25, 2001. The changes are as follows with deleted language as ~~strikeouts~~ and new language **bolded**. Pursuant to the provisions of 326 IAC 2-7-11, the permit is hereby administratively amended as follows:

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary operating source consists of the following emission units and pollution control devices:

- (a) One (1) spray booth, known as Paint Booth #1, exhausted to S-17, equipped with dry filters for particulate matter control, capacity: 180 motors per hour.
- (b) Two (2) spray booths, known as Paint Booth #2 and #6, exhausted to S-18 and S-23 respectively, equipped with dry filters for particulate matter control, capacity: 82 motors per hour, each.
- (c) Five (5) spray booths, known as Paint Booth #3, #4, #5, #7 and #8 exhausted to S-12, S-13, S-14, S-15 and S-9 respectively, equipped with dry filters for particulate matter control, capacity: 57 motors per hour, each.
- (d) One (1) hand dip oven, known as Hand Dip Oven #1, exhausted to S-32, capacity: 2.54 stators per hour.
- (e) Two (2) hand dip ovens, known as Hand Dip Oven #2 & #3, exhausted to S-33 and S-34 respectively, capacity: 5.08 stators, total.
- (f) One (1) hand dip bath, known as Hand Dip Bath #1, exhausted to S-36, capacity: 2.54 stators per hour.
- (g) One (1) roll coating system, known as Lead Wire Marking, capacity: 200 wire leads per hour.

- (h) Two (2) dip and spins, known as Dip and Spin #1 and #2, installed in 1996, exhausted to S-1 and S-2 respectively, capacity: 42 motors per hour, each.
- (i) **One (1) cathodic electrode coating line, known as E-coat, exhausted to E-coat, capacity: 1200 stators per hour.**

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches soldering equipment, welding equipment.
- (b) Any of the following structural steel and bridge fabrication activities: Using 80 tons or less of welding consumables.
- (c) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4,000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations.
- (d) Rotor casting operation, known as Dept. 716-S/V-35, capacity: 270 pounds per hour aluminum.
- (e) Space heaters, process heaters, or boilers using the following fuels: Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour.
- (f) Space heaters, process heaters, or boilers using the following fuels: Propane for liquefied petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) British thermal units per hour.
- (g) The following VOC and HAP storage containers: Vessels storing lubricating oil, hydraulic oils, machining oils, and machining fluids.
- (h) Machining where an aqueous cutting coolant continuously floods the machining interface.
- (i) Cleaners and solvents characterized as follows:
  - (1) having a vapor pressure equal to or less than 2 kiloPascals; 15 millimeters of mercury; or 0.3 pounds per square inch measured at 38EC (100EF) or;
  - (2) having a vapor pressure equal to or less than 0.7 kiloPascals; 5 millimeters of mercury; or 0.1 pounds per square inch measured at 20EC (68EF); the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months.

- (j) Infrared cure equipment.
- (k) Solvent recycling systems with batch capacity less than or equal to 100 gallons.
- (l) Paved and unpaved roads and parking lots with public access.
- (m) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.
- (n) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
- (o) On-site fire and emergency response training approved by the department.
- (p) Other activities or categories not previously identified:
  - (1) 0.47 million British thermal units per hour natural gas or propane-fired rotor insert, known as Dept. 716-S/V-17.
  - (2) 0.14 million British thermal units per hour natural gas or propane-fired rotor cast torch known as Dept. 716-S/V-35.
  - (3) 1.88 million British thermal units per hour natural gas or propane-fired smelting furnace, known as Dept. 716-S/V-37.
  - (5) Two (2) dip and spins, known as Dip and Spin #3 and #4, installed in 1998, exhausted to S-25, capacity: 42 motors per hour, each.
  - (6) One (1) dip and spin, known as Dip and Spin #5, installed in 1999, exhausted to S-27, capacity: 42 motors per hour.
  - (7) One (1) natural gas-fired elevated oven, exhausted to E-coat, rated at 1.0 million British thermal units per hour.**
  - (8) One (1) natural gas-fired hot water tank heater, exhausted to Tank, rated at 2.0 million British thermal units per hour.**

B.10 Compliance with Permit Conditions [326 IAC 2-8-4(5)(A)] [326 IAC 2-8-4(5)(B)]

- (a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit, ~~except those specifically designated as not federally enforceable,~~ is grounds for:
  - (1) Enforcement action;
  - (2) Permit termination, revocation and reissuance, or modification; and
  - (3) Denial of a permit renewal application.

- (b) It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
- (c) An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

B.11 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an authorized individual of truth, accuracy, and completeness. This certification, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.
- (c) An authorized individual is defined at 326 IAC 2-1.1-1(1).

B.20 Permit Revision Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by 326 IAC 2 and 326 IAC 2-8-11.1.

**SECTION D.1 FACILITY OPERATION CONDITIONS**

**Facility Description [326 IAC 2-8-4(10)]:**

- (a) One (1) spray booth, known as Paint Booth #1, exhausted to S-17, equipped with dry filters for particulate matter control, capacity: 180 motors per hour.
- (b) Two (2) spray booths, known as Paint Booth #2 and #6, exhausted to S-18 and S-23 respectively, equipped with dry filters for particulate matter control, capacity: 82 motors per hour, each.
- (c) Five (5) spray booths, known as Paint Booth #3, #4, #5, #7 and #8 exhausted to S-12, S-13, S-14, S-15 and S-9 respectively, equipped with dry filters for particulate matter control, capacity: 57 motors per hour, each.
- (d) One (1) hand dip oven, known as Hand Dip Oven #1, exhausted to S-32, capacity: 2.54 stators per hour.
- (e) Two (2) hand dip ovens, known as Hand Dip Oven #2 & #3, exhausted to S-33 and S-34 respectively, capacity: 5.08 stators, total.
- (f) One (1) hand dip bath, known as Hand Dip Bath #1, exhausted to S-36, capacity: 2.54 stators per hour.
- (g) One (1) roll coating system, known as Lead Wire Marking, capacity: 200 wire leads per hour.
- (h) Two (2) dip and spins, known as Dip and Spin #1 and #2, installed in 1996, exhausted to S-1 and S-2 respectively, capacity: 42 motors per hour, each.
- (i) **One (1) cathodic electrode coating line, known as E-coat, exhausted to E-coat, capacity: 1200 stators per hour.**

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

**D.1.2 Volatile Organic Compounds (VOC) Limit [326 IAC 2-8-4]**

The volatile organic compounds (VOCs) delivered to the applicators in Paint Booth #1- #8, Hand Dip Oven #1-#3, Hand Bath #1, Lead Wire Marking, Dip and Spin #1 and #2, including cleanup solvents **and E-coat** shall not exceed a total of 98.0 tons per twelve (12) consecutive month period. Therefore the requirements of 326 IAC 2-7 are not applicable.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE DATA SECTION**

**FESOP Quarterly Report**

Source Name: Reliance Electric  
Source Address: 2755 Michigan Road, Madison Indiana 47250  
Mailing Address: 2755 Michigan Road, Madison Indiana 47250  
FESOP No.: F 077-14124-00006  
Facility: Paint Booth #1- #8, Hand Dip Oven #1-#3, Hand Bath #1, Lead Wire Marking, Dip and Spin #1 and #2, **E-coat**  
Parameter: VOC  
Limit: 98.0 tons per twelve consecutive month period

YEAR: \_\_\_\_\_

Month	VOC (tons)	VOC (tons)	VOC (tons)
	This Month	Previous 11 Months	12 Month Total

- 9 No deviation occurred in this quarter.
- 9 Deviation/s occurred in this quarter.  
Deviation has been reported on:

Submitted by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Attach a signed certification to complete this report.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Paula M. Cognitore, c/o OAQ, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, at 631-691-3395 or in Indiana at 1-800-451-6027 (ext 631-691-3395).

Sincerely,

Original signed by Paul Dubenetzky

Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Quality

Attachments  
PMC/MES

cc: File - Jefferson County  
U.S. EPA, Region V  
Air Compliance Section Inspector - Joe Froyst  
Compliance Data Section - Karen Nowak  
Administrative and Development - Cynthia Bymaster  
Technical Support and Modeling - Michele Boner

**FEDERALLY ENFORCEABLE STATE  
OPERATING PERMIT (FESOP)  
OFFICE OF AIR QUALITY**

**Reliance Electric  
2855 Michigan Road  
Madison, Indiana 47250**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F 077-14124-00006	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: June 28, 2001 Expiration Date: June 28, 2006
First Administrative Amendment: AF 077-14671-00006	Pages Affected: 5, 6, 8, 15, 24, 31
Original signed by Paul Dubenetzky Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date:  August 9, 2001



- (i) One (1) cathodic electrode coating line, known as E-coat, exhausted to E-coat, capacity: 1200 stators per hour.

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(l)]

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches soldering equipment, welding equipment.
- (b) Any of the following structural steel and bridge fabrication activities: Using 80 tons or less of welding consumables.
- (c) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4,000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations.
- (d) Rotor casting operation, known as Dept. 716-S/V-35, capacity: 270 pounds per hour aluminum.
- (e) Space heaters, process heaters, or boilers using the following fuels: Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour.
- (f) Space heaters, process heaters, or boilers using the following fuels: Propane for liquefied petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) British thermal units per hour.
- (g) The following VOC and HAP storage containers: Vessels storing lubricating oil, hydraulic oils, machining oils, and machining fluids.
- (h) Machining where an aqueous cutting coolant continuously floods the machining interface.
- (i) Cleaners and solvents characterized as follows:
  - (1) having a vapor pressure equal to or less than 2 kiloPascals; 15 millimeters of mercury; or 0.3 pounds per square inch measured at 38EC (100EF) or;
  - (2) having a vapor pressure equal to or less than 0.7 kiloPascals; 5 millimeters of mercury; or 0.1 pounds per square inch measured at 20EC (68EF); the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months.
- (j) Infrared cure equipment.
- (k) Solvent recycling systems with batch capacity less than or equal to 100 gallons.
- (l) Paved and unpaved roads and parking lots with public access.

- (m) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.
- (n) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
- (o) On-site fire and emergency response training approved by the department.
- (p) Other activities or categories not previously identified:
  - (1) 0.47 million British thermal units per hour natural gas or propane-fired rotor insert, known as Dept. 716-S/V-17.
  - (2) 0.14 million British thermal units per hour natural gas or propane-fired rotor cast torch known as Dept. 716-S/V-35.
  - (3) 1.88 million British thermal units per hour natural gas or propane-fired smelting furnace, known as Dept. 716-S/V-37.
  - (5) Two (2) dip and spins, known as Dip and Spin #3 and #4, installed in 1998, exhausted to S-25, capacity: 42 motors per hour, each.
  - (6) One (1) dip and spin, known as Dip and Spin #5, installed in 1999, exhausted to S-27, capacity: 42 motors per hour.
  - (7) One (1) natural gas-fired elevated oven, exhausted to E-coat, rated at 1.0 million British thermal units per hour.
  - (8) One (1) natural gas-fired hot water tank heater, exhausted to Tank, rated at 2.0 million British thermal units per hour.

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) for a Federally Enforceable State Operating Permit (FESOP) Renewal.

A.5 Prior Permit Conditions

- (a) This permit shall be used as the primary document for determining compliance with applicable requirements established by previously issued permits.
- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, including any term or condition from a previously issued construction or operation permit, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued.

as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit or, for information claimed to be confidential, the Permittee may furnish such records directly to the U. S. EPA along with a claim of confidentiality.[326 IAC 2-8-4(5)(E)]

- (c) The Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.9 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.10 Compliance with Permit Conditions [326 IAC 2-8-4(5)(A)] [326 IAC 2-8-4(5)(B)]

- (a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit, is grounds for:
  - (1) Enforcement action;
  - (2) Permit termination, revocation and reissuance, or modification; and
  - (3) Denial of a permit renewal application.
- (b) It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
- (c) An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

B.11 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an authorized individual of truth, accuracy, and completeness. This certification, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.
- (c) An authorized individual is defined at 326 IAC 2-1.1-1(1).

B.12 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification covered the time period from the date of the first original final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than July 1 of each year to:

applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).

- (d) Alternative Operating Scenarios [326 IAC 2-8-15(d)]  
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.

B.20 Permit Revision Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by 326 IAC 2 and 326 IAC 2-8-11.1.

B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC 13-14-2-2]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

The application which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

## SECTION D.1

## FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-8-4(10)]:

- (a) One (1) spray booth, known as Paint Booth #1, exhausted to S-17, equipped with dry filters for particulate matter control, capacity: 180 motors per hour.
- (b) Two (2) spray booths, known as Paint Booth #2 and #6, exhausted to S-18 and S-23 respectively, equipped with dry filters for particulate matter control, capacity: 82 motors per hour, each.
- (c) Five (5) spray booths, known as Paint Booth #3, #4, #5, #7 and #8 exhausted to S-12, S-13, S-14, S-15 and S-9 respectively, equipped with dry filters for particulate matter control, capacity: 57 motors per hour, each.
- (d) One (1) hand dip oven, known as Hand Dip Oven #1, exhausted to S-32, capacity: 2.54 stators per hour.
- (e) Two (2) hand dip ovens, known as Hand Dip Oven #2 & #3, exhausted to S-33 and S-34 respectively, capacity: 5.08 stators, total.
- (f) One (1) hand dip bath, known as Hand Dip Bath #1, exhausted to S-36, capacity: 2.54 stators per hour.
- (g) One (1) roll coating system, known as Lead Wire Marking, capacity: 200 wire leads per hour.
- (h) Two (2) dip and spins, known as Dip and Spin #1 and #2, installed in 1996, exhausted to S-1 and S-2 respectively, capacity: 42 motors per hour, each.
- (i) One (1) cathodic electrode coating line, known as E-coat, exhausted to E-coat, capacity: 1200 stators per hour.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

### Emission Limitations and Standards [326 IAC 2-8-4(1)]

#### D.1.1 Hazardous Air Pollutants (HAPs) Limits [326 IAC 2-8-4]

- (a) An individual HAP delivered to the coating applicators in Paint Booth #1- #8, Hand Dip Oven #1-#3, Hand Bath #1, Lead Wire Marking, Dip and Spin #1 and #2 shall not exceed nine (9.0) tons per twelve (12) consecutive month period. Therefore, the requirements of 326 IAC 2-7 are not applicable.
- (b) The combination of HAPs delivered to the coating applicators in Paint Booth #1- #8, Hand Dip Oven #1-#3, Hand Bath #1, Lead Wire Marking, Dip and Spin #1 and #2 shall not exceed twenty-four (24.0) tons per twelve (12) consecutive month period. Therefore, the requirements of 326 IAC 2-7 are not applicable.

#### D.1.2 Volatile Organic Compounds (VOC) Limit [326 IAC 2-8-4]

The volatile organic compounds (VOCs) delivered to the applicators in Paint Booth #1- #8, Hand Dip Oven #1-#3, Hand Bath #1, Lead Wire Marking, Dip and Spin #1 and #2, including cleanup solvents and E-coat shall not exceed a total of 98.0 tons per twelve (12) consecutive month period. Therefore the requirements of 326 IAC 2-7 are not applicable.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE DATA SECTION**

**FESOP Quarterly Report**

Source Name: Reliance Electric  
Source Address: 2755 Michigan Road, Madison Indiana 47250  
Mailing Address: 2755 Michigan Road, Madison Indiana 47250  
FESOP No.: F 077-14124-00006  
Facility: Paint Booth #1- #8, Hand Dip Oven #1-#3, Hand Bath #1, Lead Wire Marking, Dip and Spin #1 and #2, E-Coat  
Parameter: VOC  
Limit: 98.0 tons per twelve consecutive month period

YEAR: \_\_\_\_\_

Month	VOC (tons)	VOC (tons)	VOC (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.

Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Attach a signed certification to complete this report.

**Appendix A: Emissions Calculations  
VOC and Particulate  
From Surface Coating Operations**

**Company Name: Reliance Electric  
Address City IN Zip: 2755 Michigan Road, Madison, Indiana 47250  
AAF: 077-14671  
Plt ID: 077-00006  
Reviewer: Paula M. Cognitore  
Date: July 25, 2001**

Material	Density (lbs/gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (units/hour)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC (pounds per hour)	Potential VOC (pounds per day)	Potential VOC (tons per year)	Particulate Potential (tons/yr)	lbs VOC/gal solids	Transfer Efficiency
<b>E-Coat Line</b>																
Powercron 8000 Resin Epoxy (CR-655)	8.80	64.00%	63.8%	0.2%	66.6%	33.00%	0.00194	1200.000	0.05	0.02	0.04	0.98	0.18	0.00	0.05	100%
Green Epoxy 8000 Paste (CP401A)	13.10	34.50%	33.5%	1.0%	52.5%	46.00%	0.00032	1200.000	0.28	0.13	0.05	1.21	0.22	0.00	0.28	100%

PM Control Efficiency 0.00%

**State Potential Emissions**

**Add worst case coating to all solvents**

<b>Uncontrolled</b>	<b>0.091</b>	<b>2.19</b>	<b>0.400</b>	<b>0.00</b>
<b>Controlled</b>	<b>0.091</b>	<b>2.19</b>	<b>0.400</b>	<b>0.00</b>

**METHODOLOGY**

There are no HAPs in the above mentioned materials  
Pounds of VOC per Gallon Coating less Water = (Density (lbs/gal) \* Weight % Organics) / (1-Volume % water)  
Pounds of VOC per Gallon Coating = (Density (lbs/gal) \* Weight % Organics)  
Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lbs/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr)  
Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lbs/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* (24 hr/day)  
Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lbs/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* (8760 hr/yr) \* (1 ton/2000 lbs)  
Particulate Potential Tons per Year = (units/hour) \* (gal/unit) \* (lbs/gal) \* (1- Weight % Volatiles) \* (1-Transfer efficiency) \*(8760 hrs/yr) \*(1 ton/2000 lbs)  
Pounds VOC per Gallon of Solids = (Density (lbs/gal) \* Weight % organics) / (Volume % solids)  
Total = Worst Coating + Sum of all solvents used