

November 27, 2002

Mr. Ron Stiltner  
Essex Electric, Inc.  
1710 Wall Street  
Fort Wayne, Indiana 46802

Re: **053-16494-00037**  
Notice Only Change  
Transfer of Ownership and Name Change  
Registered Construction and Operation Status  
**053-11841-00037**

Dear Mr. Stiltner:

A letter notifying the Office of Air Quality (OAQ) of a change in ownership was received on November 21, 2002. The following is a revision of the registration acknowledging the transfer of ownership of Essex Group Inc., Metals Reclamation Center to Essex Electric, Inc., at the same location.

The following copper wire reclamation operation is classified as registered:

- (a) Three (3) 43" granulators, identified as EU1, EU2 and EU10, respectively, each constructed in 1980, each granulating 10,000 pounds of copper wire per hour, each controlled by baghouse (ID AAF Baghouse) for particulate control, each exhausting through stack ID # S1;
- (b) Four (4) 20" granulators, identified as EU3, EU 11, EU12, and EU13, respectively, each constructed in 1980, each granulating 5,000 pounds of copper wire per hour, each controlled by baghouse (ID AAF Baghouse) for particulate control, each exhausting through stack ID # S1;
- (c) Two (2) 60" screeners, identified as EU4 and EU9, respectively, each constructed in 1980, each sieving 10,000 pounds of wire pieces per hour, each controlled by baghouse (ID AAF Baghouse) for particulate control, each exhausting through stack ID # S1;
- (d) Five (5) separation tables, identified as EU5, EU6, EU7, EU15, and EU16, respectively, each constructed in 1980, each separating 5,000 pounds of wire pieces per hour, each controlled by baghouse (ID AAF Baghouse) for particulate control, each exhausting through stack ID # S1;
- (e) Two (2) 60" screeners, identified as EU14 and EU17, respectively, each constructed in 1980, each sieving 10,000 pounds of wire pieces per hour, each controlled by baghouse (ID Kice Baghouse) for particulate control, each exhausting through stack ID # S2;
- (f) Three (3) aspirators, identified as EU8, EU18, and EU19, respectively, each constructed in 1999, each aspirating 2,000 pounds of wire pieces per hour, each controlled by baghouse (ID Kice Baghouse) for particulate control, each exhausting through stack ID # S2;
- (g) One (1) electrostatic separator, identified as EU20, constructed in 1992, separating 1,000 pounds of wire pieces per hour, controlled by baghouse (ID Kice Baghouse) for particulate control, each exhausting through stack ID # S2; and

- (h) One (1) 60" screener, identified as EU21, sieving 10,000 pounds of wire pieces per hour, controlled by baghouse (ID AAF Baghouse) for particulate control, and exhausting through stack ID # S1.

The following conditions shall be applicable:

1. Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:
  - (a) Opacity shall not exceed an average of forty percent (40%) any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
  - (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings) as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

2. Pursuant to 326 IAC 6-3 (Process Operations), the particulate matter (PM) from the granulators, screeners, separation tables, aspirators, and the electrostatic separator shall be limited by the following:

Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour}$$

The baghouses (AAF Baghouse and the Kice Baghouse) shall be in operation at all times the granulators, screeners, separation tables, aspirators, and the electrostatic separator are in operation, in order to comply with this limit.

3. Parametric Monitoring  
The Permittee shall record the total static pressure drop across the baghouses used in conjunction with the granulators, screeners, separation tables, aspirators, and the electrostatic separator, at least once weekly when the granulators, screeners, separation tables, aspirators, and the electrostatic separator are in operation when venting to the atmosphere. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 2.0 and 5.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

The gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ( $\pm 2\%$ ) of full scale reading.

4. Baghouse Inspections  
An inspection shall be performed each calendar quarter of all bags controlling the granulators, screeners, separation tables, aspirators, and the electrostatic separator when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. All defective bags shall be replaced.

5. Broken or Failed Bag Detection

In the event that bag failure has been observed:

- (a) The affected compartments will be shut down immediately until the failed units have been replaced.
- (b) Based upon the findings of the inspection, any additional corrective actions will be devised within eight (8) hours of discovery and will include a timetable for completion.

This registration is a revised registration issued to this source. The source may operate according to 326 IAC 2-5.5.

An authorized individual shall provide an annual notice to the Office of Air Quality that the source is in operation and in compliance with this registration pursuant to 326 IAC 2-5.5-4(a)(3). The annual notice shall be submitted to:

**Compliance Data Section  
Office of Air Quality  
100 North Senate Avenue  
P.O. Box 6015  
Indianapolis, IN 46206-6015**

no later than March 1 of each year, with the annual notice being submitted in the format attached.

An application or notification shall be submitted in accordance with 326 IAC 2 to the Office of Air Quality (OAQ) if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source.

If you have any question on this matter please contact Janet Mobley, of my staff, at 317-232-8369 or 1-800-451-6027, press 0 and ask for extension 2-8369.

Sincerely,

Signed by Paul Dubenetzky  
Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Quality

PD/jm

cc: File - Grant County  
Air Compliance Section Inspector - Marc Goldman  
Compliance Data Section - Karen Ampil  
Permit Review II - Janet Mobley

## Registration

This form should be used to comply with the notification requirements under 326 IAC 2-5.5-4(a)(3)

|                               |   |
|-------------------------------|---|
| <b>Company Name:</b>          | <b>Essex Electric, Inc.</b>                           |
| <b>Address:</b>               | <b>232 West Pearl Street Jonesboro, Indiana 46938</b> |
| <b>City:</b>                  | <b>Jonesboro, Indiana</b>                             |
| <b>Authorized individual:</b> | <b>Ron Stiltner</b>                                   |
| <b>Phone #:</b>               | <b>765-674-2266</b>                                   |
| <b>Registration #:</b>        | <b>053-11841-00037</b>                                |

I hereby certify that Essex Electric, Inc., is still in operation and is in compliance with the requirements of Registration **053-11841-00037**.

|                      |
|----------------------|
| <b>Name (typed):</b> |
| <b>Title:</b>        |
| <b>Signature:</b>    |
| <b>Date:</b>         |