

June 17, 2009

Charles Reynolds, Environmental Engineer Thomas & Betts Corporation 5601 E. Highland Dr. Jonesboro, AR 72401

Dear Mr. Reynolds:

The enclosed Permit No. 1630-AR-4 is your authority to construct, operate, and maintain the equipment and/or control apparatus as set forth in your application initially received on 2/9/2009.

After considering the facts and requirements of A.C.A. §8-4-101 et seq., and implementing regulations, I have determined that Permit No. 1630-AR-4 for the construction, operation and maintenance of an air pollution control system for Thomas & Betts Corporation to be issued and effective on the date specified in the permit, unless a Commission review has been properly requested under Arkansas Department of Pollution Control & Ecology Commission's Administrative Procedures, Regulation 8.603, within thirty (30) days after service of this decision.

All persons submitting written comments during this thirty (30) day period, and all other persons entitled to do so, may request an adjudicatory hearing and Commission review on whether the decision of the Director should be reversed or modified. Such a request shall be in the form and manner required by Regulation 8.603.

Sincerely,

Mike Bates Chief, Air Division

# ADEQ MINOR SOURCE AIR PERMIT

Permit No.: 1630-AR-4

**IS ISSUED TO:** 

Thomas & Betts Corporation 5601 E. Highland Drive Jonesboro, AR 72401 Craighead County AFIN: 16-00275

THIS PERMIT IS THE ABOVE REFERENCED PERMITTEE'S AUTHORITY TO CONSTRUCT, MODIFY, OPERATE, AND/OR MAINTAIN THE EQUIPMENT AND/OR FACILITY IN THE MANNER AS SET FORTH IN THE DEPARTMENT'S MINOR SOURCE AIR PERMIT AND THE APPLICATION. THIS PERMIT IS ISSUED PURSUANT TO THE PROVISIONS OF THE ARKANSAS WATER AND AIR POLLUTION CONTROL ACT (ARK. CODE ANN. SEC. 8-4-101 *ET SEQ*.) AND THE REGULATIONS PROMULGATED THEREUNDER, AND IS SUBJECT TO ALL LIMITS AND CONDITIONS CONTAINED HEREIN.

Signed:

Mike Bates Chief, Air Division

June 17, 2009

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Date

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# List of Acronyms and Abbreviations

| A.C.A.           | Arkansas Code Annotated                     |  |
|------------------|---|--|
| AFIN             | ADEQ Facility Identification Number         |  |
| CFR              | Code of Federal Regulations                 |  |
| CO               | Carbon Monoxide                             |  |
| HAP              | Hazardous Air Pollutant                     |  |
| lb/hr            | Pound Per Hour                              |  |
| No.              | Number                                      |  |
| NO <sub>x</sub>  | Nitrogen Oxide                              |  |
| PM               | Particulate Matter                          |  |
| PM <sub>10</sub> | Particulate Matter Smaller Than Ten Microns |  |
| $SO_2$           | Sulfur Dioxide                              |  |
| tpy              | Tons Per Year                               |  |
| UTM              | Universal Transverse Mercator               |  |
| VOC              | Volatile Organic Compound                   |  |

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# Section I: FACILITY INFORMATION

| PERMITTEE:           | Thomas & Betts Corporation                    |
|----------------------|---|
| AFIN:                | 16-00275                                      |
| PERMIT NUMBER:       | 1630-AR-4                                     |
| FACILITY ADDRESS:    | 5601 E. Highland Drive<br>Jonesboro, AR 72401 |
| MAILING ADDRESS:     | 5601 E. Highland Dr.<br>Jonesboro, AR 72401   |
| COUNTY:              | Craighead County                              |
| CONTACT NAME:        | Charles Reynolds                              |
| CONTACT POSITION:    | Environmental Engineer                        |
| TELEPHONE NUMBER:    | 870-935-2559                                  |
| REVIEWING ENGINEER:  | Charles Hurt, P.E.                            |
| UTM North South (Y): | Zone 15: 3966596.27 m                         |
| UTM East West (X):   | Zone 15: 714571.37 m                          |

#### Section II: INTRODUCTION

#### Summary of Permit Activity

Thomas & Betts Corporation (AFIN: 16-00275) is located at 5601 E. Highland Drive, Jonesboro, AR 72401. Thomas & Betts requested a permit modification to replace PVC Line #1 (SN-27). Line #1 consists of a pre-heat oven, a PVC dip tank, a curing oven, and a baghouse. Existing Line #1 is natural gas-fired whereas the replacement will be electric heated but will have the same potential to emit limitations. The Sludge Dryer (SN-05), Coolant Solution Evaporator (SN-08), Automatic Pipe paint Booth (SN-24), Fittings Paint Booth No.1 (SN-31), Fittings Paint Booth No.2 (SN-32), Fittings Paint Booth No.3 (SN-33), Fittings Paint Booth No.4 (SN-34), Off-Spec Pipe Sandblasting (SN-41), and Pipe Primer Application (SN-44) have been removed. Overall, permitted emissions due to replacing the PVC line did not increase with this modification.

#### **Process Description**

The PVC coated conduit process includes steps required to receive and process steel and aluminum conduit pipe and fittings to increase the conduit system's corrosion resistance. A variety of corrosion resistant treatments are employed, including galvanizing, painting and PVC coating.

There are basically two different process lines to be installed at the facility. The first line will manufacture PVC coated conduit pipe and the second makes PVC coated fittings. There are also off-line processes, including injection molding of small parts and reprocessing of off-spec materials.

#### Pipe Line

The following are the processing steps associated with the pipe line:

- 1. Pipe material is received and stored on site.
- 2. The pipe is then cut to approximately 10-ft lengths using a water-cooled saw process.
- 3. The cut pipe is chamfered.
- 4. Both of the pipe ends are threaded using a water-soluble cutting fluid. Three threading machines are available for this step.
- 5. The pipe is bundled and cleaned in a series of dip tanks. The bundles are moved from tank to tank by crane. The first tank contains cold water, the second hot water. The steel pipes are then moved to two dip tanks containing a 13 to 17% sulfuric acid solution with small quantities of Rodine (HCl-based material) inhibitor added. These dip tanks are maintained at 160 to 180°F with immersion heaters. A side draft exhaust is used to remove fumes from the area. The exhausts from these tanks are designated SN-09 and SN-10. The pipe is allowed to drain over the tank, prior to moving to the next step.

- 6. The sulfuric acid solution is recycled. Iron sulfate is recovered from the sulfuric acid solution by first chilling a side stream of the solution, and then centrifuging it to remove the iron sulfate material. This material is sold to outside companies. The centrifuged liquid is recycled to the sulfuric acid dip tanks.
- 7. The pipe bundle is dipped in hot water to remove residual acids from the surface.
- 8. The pipe bundle is dipped in cold water to remove additional residual acids from the surface.
- 9. The pipe bundle is dipped into the flux tank. This is an aqueous solution of zinc ammonium nitrate/chloride triple salt. The approximate salt concentration is 21% by weight. This tank is operated at room temperature.
- 10. Aluminum pipe bundles are first rinsed in the hot water tank and then cleaned in this same area by dipping in a tank containing 10% phosphoric acid. The tank is maintained at 160 to 180°F by an immersion heater. After the acid dip, aluminum pipe is dipped in hot and cold water and allowed to dry. Aluminum pipe goes straight to painting. It is not galvanized like the steel.
- 11. The steel pipe is fed into the galvanizing system, one at a time on a horizontal conveyor. There are two identical galvanizing trains, one operating and the other on standby. The first step of the galvanizing system is a preheat oven. This oven performs final drying and preheating of the pipe. The oven is a forced air oven with the flame fired directly into the air stream. The oven operates at 350 to 400°F. Two natural gas burners, each rated at 1.2 MMBtu/hr, are used to heat the oven. Exhaust from the oven is directed through the ends. A collection hood on the inlet collects the heated air and products of combustion. This hood is routed to SN-13. The discharge end of the oven is collected along with the fumes from the zinc dip galvanizing.
- 12. The pipe passes from the pre-heat oven down to a star wheel and into the molten zinc (galvanizing tank). The tank is maintained at a temperature of 850 to 860°F. Eight (8) gasfired burners rated at 0.5 MMBtu/hr each are fired to heat the zinc tank. The burners are fired into the firing box and exhausted separately from the zinc fumes in SN-15 and SN-16. Zinc fumes are exhausted through a collection hood to a baghouse (SN-13) for control of particulate matter.
- 13. The pipe is mechanically lifted from the bath and allowed to drain into the bath as it is being removed. It is passed through a ring, which blows off the excess exterior zinc with high pressure steam. Zinc is returned to the tank. Particulate is captured by the tank hood and sent to the baghouse along with the rest of the exhaust.
- 14. The pipe interior is blown out with superheated steam to remove excess zinc. One end of the pipe is dropped in front of an opening in a high velocity suction/plenum. The other end is fitted with a steam blower. Steam is blown through the pipe and into the suction plenum. The other end is fitted with a steam blower. Steam is blown through the pipe and into the suction plenum. Exhaust from the suction plenum is routed through the wet scrubber (SN-14). Steam is provided by a high pressure gas-fired boiler rated at 8.6 MMBtu/hr (SN-17).
- 15. Both pipe ends are then heated over an open flame natural gas burner. Each burner is rated at 150 MBtu/hr. These burners are vented through hoods to SN-21 and SN-22.

- 16. At the end of the burner area, a compressed air device is used to remove excess zinc material from the thread area at both ends of the pipe. This material is impractical to collect with the larger particles of zinc settling in the area. The remainder is a fugitive emission.
- 17. The pipe is then lowered into an unheated tank containing a 0.4% chromic acid solution for cooling, and allowed to dry on a rack after cooling. The solution is heated by the hot pipes submerged into it. The solution is re-circulated. The process generates water vapor emissions, which are not vented.
- 18. After drying, the pipe is inspected and bundled.
- 19. Prior to interior painting, the pipe may be manually cleaned and blown down with compressed air to remove dust.
- 20. The pipe interior is painted in one of two areas: 1) a manual paint booth or 2) an automated paint booth. If the manual paint booth is used, the pipe's interior is painted before the pipe goes through the PVC coating process. The manual booth is an 8 ft x 8 ft booth into which the bundle is placed. The interior of each pipe in the bundle is painted one at a time using an air-atomized spray gun with a lanced nozzle. The manual paint booth is exhausted through SN-23. If the automatic paint machine is used, it is after the pipe has gone through the PVC coating line. The automatic paint machine consists of a smaller booth with up to 8 spray guns on long nozzles, which are guided through the conveyorized pipe. Only one of the two painting systems is used at a time. A two-part polyurethane paint is used for all pipe interior painting.
- 21. After being painted in the manual booth, the pipe is allowed to air dry before it is stored until it is ready to be processed in the PVC coating line.
- 22. The pipe is staged on a rack at the entrance of the PVC coating area. An acetone-based primer is applied to the preheated exterior of the pipe by brushing. This is accomplished in a down flow paint booth, approximately 13 ft x 8 ft. This booth is exhausted through SN-25.
- 23. The pipe is then processed through either the gas fired oven or the electrical heated oven to apply liquid PVC coating.
- 24. In the gas fired oven, pipe passes into the pre-heat oven and is rolled into a dip tank containing liquid PVC at room temperature. Some minor smoking occurs at the PVC dip tank, which is collected in a hood and exhausted to a baghouse SN-28. The pipe is cured in a forced air oven. The oven has two natural gas burners, each rated at 1.2 million BTU/hr. The pipe is heated to 320° to 350°F to cure the PCV coating material. Fumes from the curing oven are exhausted to a baghouse SN-28.
- 25. After curing the pipe is passed through a re-circulated spray water cooler. It is allowed to dry, and then the ends are uncapped. The pipe is then bundled for shipment.
- 26. In the electrical PVC coating and curing oven, pipe passes into the pre-heat oven and is rolled into a dip tank containing liquid PVC at room temperature. Some minor smoking occurs at the PVC dip tank, which is collected in a hood and exhausted to a baghouse SN-27. The pipe is heated to 320° to 350°F to cure the PCV coating material. Fumes from the curing oven are exhausted through a baghouse SN-27.

- 27. If the automatic paint booth is to be used for painting the pipe's interior, the bundle is moved to the paint line.
- 28. First, the ends of the pipe are trimmed and the pipe is inspected. Rejects are removed. The pipe is then labeled, and the threads are brush painted with urethane paint and thread protectors are installed at each end. The pipe is then bundled for shipment.
- 29. Off-line, pipe that is off-spec after galvanizing is returned to a sandblaster. Grit blast is used to remove excess zinc from the pipe's exterior, and the pipe is then re-processed through the PVC coating train. The exhaust from the sandblaster passes through a baghouse and is then vented indoors.

Fitting Line:

The following process steps are used in the fitting line.

- 1. The fittings are processed in a similar fashion but are not galvanized. First they are received and disassembled.
- 2. They are sandblasted to remove finish coatings. The sand blaster is a grit/tumble machine. The unit is equipped with a baghouse that is vented indoors.
- 3. The fitting's interiors and exteriors are then painted in one of four paint booths. Each paint booth has a 2 ft-high by 6 ft 6 in-wide opening. Manual, air-atomized paint guns are used. The paint used is the same two-part polyurethane used to paint the pipe's interior.
- 4. The fittings are heated to 410 °F in an oven with a hanging conveyor. The oven is equipped with one 1.2 million BTU/hr forced air, direct fired into the duct system natural gas burner. The oven is exhausted through a canopy hood to SN-35.
- 5. Pipe couplings are painted in a separate mechanized paint station with exhaust to SN-38.
- 6. Fittings are then dipped in the same acetone based primer as is used in the pipe system. The dipping process occurs in one of the fitting paint booths.
- 7. After the primer has been air dried, the fittings are jigged and placed in a pre-heat oven and heated to 320 to 350 °F. The pre-heat oven with a hanging conveyor is heated by a forced air, direct fired into the duct system natural gas burner rated at 1.2 million BTU/hr. The oven is vented through a canopy hood covering the entire oven to SN-36, along with the fitting PVC coating curing oven.
- 8. After pre-heating, the fitting is manually dipped in (PVC coating material). The dipping occurs in the same vicinity as the pre-heat and cure oven. Any fumes generated are collected by the hood and removed to SN-36.
- 9. After dipping, the fittings are cured in a natural gas-fired forced air curing oven with a hanging conveyor. The oven has one burner rated at 1.2 million BTU/hr and is exhausted to SN-36 through the combined hood covering the front of the two ovens.
- 10. After curing, the fittings are cooled in a water tank, removed, and allowed to dry. They are then trimmed, dejigged, inspected, reassembled, and packaged for shipping.

- 11. Some of the fittings are coated with a fluidized bed powder coat process. The fittings are pre-heated, dipped in the powder coat, and cured. The fitting powder coat pre-cure and curing oven are identical to the fitting PVC pre-coat and curing oven. They have a combined stack exhausting to SN-37.
- 12. Pipe nipples are painted off-line in two paint booths. The booths have an opening that is 2-ft high and 4-ft wide. The booths are exhausted through SN-39/40. These booths utilize the same two-part polyurethane paint that is painted on the fitting's interiors.

#### Off-line Processes

There are several processes that are operated off-line with no point source exhaust. These include:

- 1. Four injection molding machines for PVC coating of some fittings, nuts, couplings, and screws
- 2. Three machines for grinding the plastic scrap into recyclable pellets
- 3. Several small machining and pipe bending operations
- 4. Three band saws for cutting coated pipes
- 5. One thread cleaning machine
- 6. Two threaders for the bending machines
- 7. A cleaning station using water-based cleaning process consisting of three tanks each with an 800-gallon capacity

#### **Existing Operations**

There are three plating lines for zinc (not chromium) electroplating of steel electrical components. Parts are brought to the loading/unloading station either mounted on rack, with the rack being processed through the plating line or loaded in a barrel by moving the barrel from tank to tank. These parts are then moved through the process by soaking and electro cleaning, followed by activation in an acid dip. The zinc plating tanks contain a very small amount of muriatic acid, which has the potential to evaporate into the atmosphere. The concentration of HCl in the zinc plating tanks is estimated to be 0.5 ounces per gallon of muriatic acid. The zinc plating tanks are open top tanks.

Emissions from all of the soak cleaning, electro cleaning, acid dip, and chromate conversion tanks will be collected by a single manifold emission collection system. Each of the tanks will be outfitted with "push" air and a slotted hood pick-up. The exhaust will be provided by a single Duall blower. The rated discharge of the blower is 24,000 CFM at the stack. This stack is designated SN-01. There will be no controls on the emission point.

Two natural-gas fired boilers, the primary service (SN-03) and the back-up service (SN-04) provide heat to the plating lines. Both are rated at 6.3 MMBtu/hr.

## Regulations

The following table contains the regulations applicable to this permit.

| Regulations  |         |
|--|---------|
| Arkansas Air Pollution Control Code, Regulation 18, effective January 25, 2009 | <u></u> |
| Regulations of the Arkansas Plan of Implementation for Air Pollution Control,  |         |
| Regulation 19, effective January 25, 2009                                      |         |

### Total Allowable Emissions

The following table is a summary of emissions from the facility. This table, in itself, is not an enforceable condition of the permit.

| Total Allowable Emissions |        |          |
|---------------------------|--------|----------|
| Pollutant                 | Emissi | on Rates |
| ronutant                  | lb/hr  | tpy      |
| PM                        | 12.2   | 39.6     |
| PM <sub>10</sub>          | 12.2   | 39.6     |
| SO <sub>2</sub>           | 1.3    | 2.1      |
| VOC                       | 82.1   | 99.0     |
| СО                        | 3.3    | 12.8     |
| NO <sub>X</sub>           | 5.0    | 19.5     |
| Single HAP                | 25.66  | 9.90     |
| Total HAP                 | 25.66  | 24.90    |
| Acetone                   | 48.45  | 194.75   |

#### Section III: PERMIT HISTORY

The initial permit #1630-A was issued on September 18, 1995.

The first modification, permit # 1630-AR-1, was issued on February 17, 1998. This permit modification consisted of the following changes:

- Changing the process description for the solution evaporator to more accurately describe the process.
- Changing the required emission management equipment for specified tanks in the plating process. Delete the Acid Scrubber (SN-01) and the Caustic Scrubber (SN-02) from the original permit. Add the combined emissions from these two sources going through a single manifold emission system with no controls the Emission Management System (SN-01).
- Increasing allowable annual emissions to permit year round operations to be conducted twenty four hours per day. Hourly emission limits remained the same.

The second modification, permit #1630-AR-2 was issued on September 6, 2002. It allowed the facility to expand and add operations, which were relocated from other plants outside of Arkansas. T&B requested enforceable emissions limits of VOCs to 99.0 tpy and of 9.9 tpy for individual HAPs and 24.9 tpy for combined HAPs. Compliance is based on purchasing or production records of paint and solvent usage, with this information entered into a spreadsheet that will automatically calculate both total VOCs and individual HAPs from the maximum contents specified in the product MSDS, so that actual usage will always be below these limits.

Permit No. 1630-AR-3 was issued on January 4, 2005 which updated emission rate tables and accounted for updated stack parameters and installation of additional process equipment. The equipment included two 0.15 MMBTU/hr pipe primer pre-heat burners, a centrifuge to recover sulfuric acid used in the dip tanks, and 8.6 MMBTU/hr boiler (SN-17) to provide steam for the pipe inside and outside blow off units. The new boiler replaced Boiler #1 (formerly SN-17), Boiler #2 (SN-19), and Superheaters No. 1 and 2 (SN-18 and SN-19). T&B also requested the permit be modified to account for emissions exhausted through the vents in the Chemical Storage and Mix Rooms, from sandblasting off-spec pipe and fittings (SN-41 and SN-42), and from pipe and fitting primer application (SN-43 and SN-44). The pipe primer pre-heat burners, centrifuge, and vents were added to the Insignificant Activities list. Permitted emissions of SO<sub>2</sub>, VOC, CO, NO<sub>X</sub>, and Acetone increased by 1.1 tpy, 0.1 tpy, 5.2 tpy, 4.6 tpy, and 58.24 tpy, respectively. PM/PM<sub>10</sub> decreased by 18.1 tpy.

#### Section IV: EMISSION UNIT INFORMATION

#### Specific Conditions

1. The permittee shall not exceed the emission rates set forth in the following table. [Regulation 19, §19.501 *et seq.* and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

| SN | Description                             | Pollutant                     | lb/hr | tpy               |
|----|---|-------------------------------|-------|-------------------|
| 01 | Emission Management System              | PM <sub>10</sub>              | 0.7   | 3.1               |
|    |   | PM <sub>10</sub>              | 0.1   | 0.3               |
|    | Deilen Dringer Service                  | $SO_2$                        | 0.1   | 0.5               |
| 03 | Boiler – Primary Service                | VOC                           | 0.1   | 99.0 <sup>B</sup> |
|    | (6.3 MMBTU/hr)                          | СО                            | 0.2   | 0.6               |
|    |   | NO <sub>X</sub>               | 0.7   | 2.8               |
|    |   | PM10                          | 0.1   | 0.3               |
|    | Boiler – Backup Service                 | $SO_2$                        | 0.1   | 0.5               |
| 04 | (6.3 MMBTU/hr)                          | VOC                           | 0.1   | 99.0 <sup>B</sup> |
|    |   | CO                            | 0.2   | 0.6               |
|    |   | NO <sub>X</sub>               | 0.7   | 2.8               |
| 09 | Sulfuric Acid Dip                       | PM <sub>10</sub> <sup>A</sup> | 0.4   | 1.5               |
| 09 | (2) Tanks                               | VOC                           | 0.2   | 99.0 <sup>B</sup> |
| 10 | Phosphoric Dip & (2) Hot Water<br>Tanks | PM <sub>10</sub> <sup>A</sup> | 0.1   | 0.2               |
|    |   | PM <sub>10</sub>              | 0.1   | 0.4               |
|    | Galvanizing Dip Tanks (2)               | $SO_2$                        | 0.1   | 0.1               |
| 13 | Preheat Ovens (2)                       | VOC                           | 0.1   | 99.0 <sup>B</sup> |
|    | (1.2 MMBTU/hr each)                     | CO                            | 0.2   | 0.9               |
|    |   | NO <sub>X</sub>               | 0.3   | 1.1               |
| 14 | Galvanizing Pipe Blowouts (2)           | PM <sub>10</sub>              | 1.1   | 4.9               |
|    |   | PM <sub>10</sub>              | 0.1   | 0.2               |
|    | Galvanizing Combustion Stack            | $SO_2$                        | 0.1   | 0.1               |
| 15 | No. 1                                   | VOC                           | 0.1   | 99.0 <sup>B</sup> |
|    | (4.0 MMBTU/hr)                          | CO                            | 0.4   | 1.5               |
|    |   | NO <sub>X</sub>               | 0.4   | 1.8               |
|    |   | $PM_{10}$                     | 0.1   | 0.2               |
|    | Galvanizing Combustion Stack            | $SO_2$                        | 0.1   | 0.1               |
| 16 | No. 2                                   | VOC                           | 0.1   | 99.0 <sup>B</sup> |
|    | (4.0 MMBTU/hr)                          | CO                            | 0.4   | 1.5               |
|    | <u> </u>                                | NO <sub>X</sub>               | 0.4   | 1.8               |

| SN      | Description                        | Pollutant        | lb/hr | tpy               |
|---------|------------------------------------|------------------|-------|-------------------|
|         |                                    | PM <sub>10</sub> | 0.1   | 0.3               |
|         | Boiler No. 1                       | $SO_2$           | 0.1   | 0.1               |
| 17      | (8.6 MMBTU/hr)                     | VOC              | 0.1   | 99.0 <sup>B</sup> |
|         |                                    | CO               | 0.8   | 3.2               |
|         |                                    | NO <sub>X</sub>  | 0.9   | 3.8               |
|         |                                    | PM <sub>10</sub> | 0.1   | 0.1               |
|         |                                    | $SO_2$           | 0.1   | 0.1               |
| 21      | End of Pipe Line Heater No. 1      | VOC              | 0.1   | 99.0 <sup>B</sup> |
|         |                                    | CO               | 0.1   | 0.2               |
|         |                                    | NO <sub>X</sub>  | 0.1   | 0.2               |
|         |                                    | PM <sub>10</sub> | 0.1   | 0.1               |
|         |                                    | $SO_2$           | 0.1   | 0.1               |
| 22      | End of Pipe Line Heater No. 2      | VOC              | 0.1   | 99.0 <sup>B</sup> |
|         | -                                  | CO               | 0.1   | 0.2               |
|         |                                    | NO <sub>X</sub>  | 0.1   | 0.2               |
| 22      |                                    | PM <sub>10</sub> | 1.5   | 6.2               |
| 23      | Pipe Inside Paint Booth No. 1      | VOĈ              | 5.5   | 99.0 <sup>B</sup> |
| 25      | Pipe Primer Application            | VOC              | 21.9  | 99.0 <sup>B</sup> |
|         |                                    | PM_{10}          | 0.1   | 0.1               |
|         |                                    | SO <sub>2</sub>  | 0.1   | 0.1               |
| 26      | Primer Curing Oven                 | VOC              | 0.1   | 99.0 <sup>B</sup> |
|         |                                    | CO               | 0.2   | 0.9               |
|         |                                    | NO <sub>X</sub>  | 0.3   | 1.1               |
| ······· | PVC Line #1                        |                  |       |                   |
| 0.7     | PVC Coating and (1) Electric       | $PM_{10}$        | 2.2   | 9.6 <sup>C</sup>  |
| 27      | Curing Oven                        | VOČ              | 10.3  | 99.0 <sup>B</sup> |
| ]       | (Baghouse 90%)                     |                  |       |                   |
|         |                                    | PM <sub>10</sub> | 2.2   | 9.6 <sup>c</sup>  |
|         | PVC Line #2                        | SO <sub>2</sub>  | 0.1   | 0.1               |
| 28      | PVC Coating and (1) Curing Oven    | VOC              | 30.8  | 99.0 <sup>B</sup> |
| ļ       | 2.4 MMBTU/hr Natural Gas -Fired    | CO               | 0.2   | 0.9               |
|         | (Baghouse 90%)                     | NO <sub>X</sub>  | 0.3   | 1.1               |
|         |                                    | PM <sub>10</sub> | 0.1   | 0.1               |
|         | Distinct Duck of Dist C            | SO <sub>2</sub>  | 0.1   | 0.1               |
| 35      | Fittings Preheat / Paint Cure Oven | VÕČ              | 3.9   | 99.0 <sup>B</sup> |
|         | (1.2 MMBTU/hr)                     | CO               | 0.1   | 0.5               |
|         |                                    | $NO_X$           | 0.2   | 0.6               |
|         |                                    | PM <sub>10</sub> | 0.1   | 0.1               |
|         | Fitting PVC Preheat, Dip, and      | SO <sub>2</sub>  | 0.1   | 0.1               |
| 36      | Cure                               | VOC              | 4.6   | 99.0 <sup>B</sup> |
|         | (2.4 MMBTU/hr)                     | СО               | 0.2   | 0.9               |
|         |                                    | NO <sub>X</sub>  | 0.3   | 1.1               |

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| SN | Description  | Pollutant        | lb/hr | tpy               |
|----|--|------------------|-------|-------------------|
|    |  | PM <sub>10</sub> | 0.1   | 0.1               |
|    | Develop Contine Duck and Come                        | $SO_2$           | 0.1   | 0.1               |
| 37 | 37 Powder Coating Preheat and Cure<br>(2.4 MMBTU/hr) | VOC              | 0.1   | 99.0 <sup>B</sup> |
|    |  | СО               | 0.2   | 0.9               |
|    |  | NO <sub>X</sub>  | 0.3   | 1.1               |
| 20 | 38 Coupling/Nipple Paint Booth                       | PM <sub>10</sub> | 1.6   | 6.7               |
| 38 |  | VOC              | 1.2   | 99.0 <sup>B</sup> |
| 42 | Fittings Sandblasting                                | PM <sub>10</sub> | 1.2   | 5.1               |
| 43 | Fittings Primer Application/Dip                      | VOC              | 2.7   | 99.0 <sup>B</sup> |

<sup>A</sup> Phosphoric or Sulfuric Acid Emissions are included.

<sup>B</sup> The plantwide limit for total VOC is 99.0 tpy

<sup>c</sup> Sum of total annual  $PM_{10}$  emission limit for both SN-27 and SN-28

 The permittee shall not exceed the emission rates set forth in the following table. [Regulation 18, §18.801 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

| SN | Description   | Pollutant             | lb/hr               | tpy                               |
|----|---|-----------------------|---------------------|-----------------------------------|
| 01 | Emission Management System  | PM                    | 0.7                 | 3.1                               |
| 03 | Boiler – Primary Service<br>(6.3 MMBTU/hr)                            | РМ                    | 0.1                 | 0.3                               |
| 04 | Boiler – Backup Service<br>(6.3 MMBTU/hr)                             | РМ                    | 0.1                 | 0.3                               |
| 09 | Sulfuric Acid Dip   | PM <sup>A</sup>       | 0.4                 | 1.5                               |
| 09 | (2) Tanks   | HAPs                  | 0.12                | 24.90 <sup>B</sup>                |
| 10 | Phosphoric Dip & (2) Hot Water<br>Tanks                               | PM <sup>A</sup>       | 0.1                 | 0.2                               |
| 13 | Galvanizing Dip Tanks (2)<br>Preheat Ovens (2)<br>(1.2 MMBTU/hr each) | РМ                    | 0.1                 | 0.4                               |
| 14 | Galvanizing Pipe Blowouts (2)   | PM                    | 1.1                 | 4.9                               |
| 15 | Galvanizing Combustion Stack<br>No. 1<br>(4.0 MMBTU/hr)               | РМ                    | 0.1                 | 0.2                               |
| 16 | Galvanizing Combustion Stack<br>No. 2<br>(4.0 MMBTU/hr)               | РМ                    | 0.1                 | 0.2                               |
| 17 | Boiler No. 1<br>(8.6 MMBTU/hr)  | PM                    | 0.1                 | 0.3                               |
| 21 | End of Pipe Line Heater No. 1   | PM                    | 0.1                 | 0.1                               |
| 22 | End of Pipe Line Heater No. 2   | PM                    | 0.1                 | 0.1                               |
| 23 | Pipe Inside Paint Booth No. 1   | PM<br>HAPs<br>Acetone | 1.5<br>3.92<br>0.65 | 6.2<br>24.90 <sup>B</sup><br>2.85 |

| SN | Description                                       | Pollutant | lb/hr | tpy                |
|----|---|-----------|-------|--------------------|
| 25 | Ding Drimon Application                           | HAPs      | 14.66 | 24.9 <sup>B</sup>  |
| 23 | Pipe Primer Application                           | Acetone   | 42.00 | 184.00             |
| 26 | Primer Curing Oven                                | PM        | 0.1   | 0.1                |
|    | PVC Line #1                                       |           |       |                    |
| 27 | PVC Coating and (1) Electric                      | PM        | 2.2   | 9.6 <sup>C</sup>   |
| 21 | Curing Oven                                       | HAPs      | 0.35  | 24.90 <sup>B</sup> |
|    | (Baghouse 90%)                                    |           |       |                    |
|    | PVC Line #2                                       |           |       |                    |
| 28 | PVC Coating and (1) Curing Oven                   | PM        | 2.2   | 9.6 <sup>°</sup>   |
| 20 | 2.4 MMBTU/hr Natural Gas -Fired                   | HAPs      | 1.06  | 24.90 <sup>B</sup> |
|    | (Baghouse 90%)                                    |           |       |                    |
|    | Fittings Preheat / Paint Cure Oven                | PM        | 0.1   | 0.1                |
| 35 | (1.2 MMBTU/hr)                                    | HAPs      | 2.74  | 24.90 <sup>B</sup> |
|    | ´   | Acetone   | 0.46  | 2.01               |
|    | Fitting PVC Preheat, Dip, and                     | PM        | 0.1   | 0.1                |
| 36 | Cure  | HAPs      | 0.16  | 24.90 <sup>B</sup> |
|    | (2.4 MMBTU/hr)                                    |           |       | 21.50              |
| 37 | Powder Coating Preheat and Cure<br>(2.4 MMBTU/hr) | PM        | 0.1   | 0.1                |
|    |   | PM        | 1.6   | 6.7                |
| 38 | Coupling Paint Booth                              | HAPs      | 0.84  | 24.90 <sup>B</sup> |
| 50 |   | Acetone   | 0.14  | 0.61               |
| 42 | Fittings Sandblasting                             | PM        | 1.2   | 5.1                |
| 42 | Truings Sandolasung                               | HAPs      | 1.2   | 24.90 <sup>B</sup> |
| 43 | Fittings Primer Application/Dip                   | Acetone   | 5.20  | 5.28               |
| A  | Dhamharia an Culfuria Aaid amigaiang ang ingl     |           | 5.20  | J.20               |

A Phosphoric or Sulfuric Acid emissions are included.

<sup>B</sup> May not exceed 9.90 tpy of any single HAP or 24.90 tpy of combination HAP on plantwide basis

<sup>c</sup> Sum of total annual PM emission limit for both SN-27 and SN-28

3. Visible emissions may not exceed the limits specified in the following table of this permit as measured by EPA Reference Method 9. [A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

| SN                     | Limit | Regulatory Citation |
|------------------------|-------|---------------------|
| 01, 09, 10, 14, 23, 24 | 20%   | §19.503             |
| All Other<br>Sources   | 5%    | §18.501             |

4. The permittee shall not cause or permit the emission of air contaminants, including odors or water vapor and including an air contaminant whose emission is not otherwise prohibited by Regulation #18, if the emission of the air contaminant constitutes air pollution within the meaning of A.C.A. §8-4-303. [Regulation 18, §18.801 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

- 5. The permittee shall not conduct operations in such a manner as to unnecessarily cause air contaminants and other pollutants to become airborne. [Regulation 18, §18.901 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
- 6. The permittee shall not emit no more than 99.0 tpy of VOCs total from all sources at the facility per consecutive 12-month period. [Regulation No. 19 §19.501 *et seq.* and 40 CFR Part 52, Subpart E]
- 7. The permittee shall calculate VOC emissions for each month and maintain the records in a spreadsheet or other well organized format, which demonstrate compliance with Specific Condition #6. Records shall be updated by the fifteenth day of the month following the month to which the records pertain. These records shall be kept on site, and shall be made available to Department personnel upon request. [Regulation No. 19 §19.705, 40 CFR Part 52, Subpart E, and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
- 8. The permittee shall not exceed HAP emission rates greater than 9.9 tpy for any individual HAP or 24.9 for total HAPs. Compliance with this condition shall be demonstrated through compliance with Specific Condition #11. [Regulation No. 18 §18.801 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
- 9. The permittee shall not exceed the formulation of HAPs for the given minimum TLV in the following table in any HAP containing compound used at the facility. Compliance with this table shall be demonstrated through compliance with Specific Conditions #10 and #11. [Regulation No. 18 §18.1004 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

| Minimum Allowable TLV<br>(mg/m <sup>3</sup> ) | Maximum Allowable Single HAP Content<br>(lb/gal) <sup>a</sup> |
|---|---|
| >290  | 8.33  |
| 290   | 8.33  |
| 278.5   | 8.00  |
| 208.9   | 6.00  |
| 139.3   | 4.00  |
| 69.6  | 2.00  |
| 34.8  | 1.00  |
| 31.3  | 0.90  |
| 27.9  | 0.80  |
| 24.4  | 0.70  |
| 20.9  | 0.60  |
| 17.4  | 0.50  |
| 13.9  | 0.40  |
| 10.4  | 0.30  |
| 7.0   | 0.20  |
| 3.5   | 0.10  |

A Chemicals such as HDI (CAS 822-06-0) and MDI (CAS 101-68-8) are not expected to rapidly volatilize and are emitted at a rate of less than 1.0 tpy shall be exempt from this table.

- 10. The permittee shall maintain records of the ACGIH TLV values as listed on current MSDS forms, or in the most recently published ACGIH handbook of Threshold Limit Values (TLVs) and Biological Exposure Indices (BEIs) for each HAP-containing material used. The concentration of each HAP in lb/gal and the corresponding TLV should be noted on these records. These records shall be maintained in a spreadsheet, database, or other well organized format. These records shall be kept on-site and made available to Department personnel upon request. [Regulation No. 18 §18.1004 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
- 11. The permittee shall maintain records of the amount of HAP emissions each month. These records shall indicate the amount of each HAP-containing material used during that month as well as the corresponding maximum HAP content for each HAP in that material. The monthly emissions shall be calculated for each material by multiplying the usage by the corresponding HAP content(s). The total HAP emissions from all products shall also be indicated on these records. A copy of the MSDS sheet for each product used shall accompany these records. These records shall be updated by the fifteenth day of the month following the month to which the records pertain. A twelve (12) month rolling total of HAP emissions and each individual month's data shall be kept on-site and shall be made available to Department personnel upon request. [Regulation No. 18 §18.1004 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
- 12. The permittee shall limit the maximum HAP concentration of all coatings as applied to 8.33 lb/gal. Compliance with this table shall be demonstrated through compliance with Specific Condition #10. [Regulation No. 18 §18.1004 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311].
- 13. If actual emissions exceed 95% of major source thresholds, i.e., 95 tpy of all VOCs, 9.5 tpy of any single HAP, or 23.75 tpy of combined HAPs, the facility shall demonstrate, through the accuracy of their recordkeeping, that major source thresholds have not been exceeded. [Regulation No. 19 §19.501 *et seq.*, Regulation No. 18 §18.801, and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
- 14. The permittee shall only use pipeline quality natural gas for fuel in any combustion unit. [Regulation No. 19 §19.705, A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, and 40 CFR 70.6]

#### Section V: INSIGNIFICANT ACTIVITIES

The Department deems the following types of activities or emissions as insignificant on the basis of size, emission rate, production rate, or activity in accordance with Group A of the Insignificant Activities list found in Regulation 18 and 19 Appendix A. Insignificant activity emission determinations rely upon the information submitted by the permittee in an application dated February 9, 2009.

| Description                                | Category |
|--|----------|
| Injection Molding                          | A-13     |
| Warming Ovens                              | A-13     |
| Chemical Recovery Room Centrifuge Exhaust  | A-13     |
| Chemical Mix Process Exhaust               | A-13     |
| Pipe Primer Pre-Heat                       | A-13     |
| Inside Pipe Blow-Out Booth No. 1 and No. 2 | A-13     |

#### Section VI: GENERAL CONDITIONS

- Any terms or conditions included in this permit that specify and reference Arkansas Pollution Control & Ecology Commission Regulation 18 or the Arkansas Water and Air Pollution Control Act (A.C.A. §8-4-101 et seq.) as the sole origin of and authority for the terms or conditions are not required under the Clean Air Act or any of its applicable requirements, and are not federally enforceable under the Clean Air Act. Arkansas Pollution Control & Ecology Commission Regulation 18 was adopted pursuant to the Arkansas Water and Air Pollution Control Act (A.C.A. §8-4-101 et seq.). Any terms or conditions included in this permit that specify and reference Arkansas Pollution Control & Ecology Commission Regulation 18 or the Arkansas Water and Air Pollution Control Act (A.C.A. §8-4-101 et seq.) as the origin of and authority for the terms or conditions are enforceable under this Arkansas statute.
- 2. This permit does not relieve the owner or operator of the equipment and/or the facility from compliance with all applicable provisions of the Arkansas Water and Air Pollution Control Act and the regulations promulgated under the Act. [A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
- 3. The permittee shall notify the Department in writing within thirty (30) days after commencement of construction, completion of construction, first operation of equipment and/or facility, and first attainment of the equipment and/or facility target production rate. [Regulation 19, §19.704 and/or A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
- 4. Construction or modification must commence within eighteen (18) months from the date of permit issuance. [Regulation 19, §19.410(B) and/or Regulation 18, §18.309(B) and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
- 5. The permittee must keep records for five years to enable the Department to determine compliance with the terms of this permit such as hours of operation, throughput, upset conditions, and continuous monitoring data. The Department may use the records, at the discretion of the Department, to determine compliance with the conditions of the permit. [Regulation 19, §19.705 and/or Regulation 18, §18.1004 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
- 6. A responsible official must certify any reports required by any condition contained in this permit and submit any reports to the Department at the address below. [Regulation 19, §19.705 and/or Regulation 18, §18.1004 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

Arkansas Department of Environmental Quality Air Division ATTN: Compliance Inspector Supervisor

> 5301 Northshore Drive North Little Rock, AR 72118-5317

- 7. The permittee shall test any equipment scheduled for testing, unless stated in the Specific Conditions of this permit or by any federally regulated requirements, within the following time frames: (1) newly constructed or modified equipment within sixty (60) days of achieving the maximum production rate, but no later than 180 days after initial start up of the permitted source or (2) existing equipment already operating according to the time frames set forth by the Department. The permittee must notify the Department of the scheduled date of compliance testing at least fifteen (15) days in advance of such test. The permittee must submit compliance test results to the Department within thirty (30) days after the completion of testing. [Regulation 19, §19.702 and/or Regulation 18, §18.1002 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
- 8. The permittee shall provide: [Regulation 19, §19.702 and/or Regulation 18, §18.1002 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
  - a. Sampling ports adequate for applicable test methods;
  - b. Safe sampling platforms;
  - c. Safe access to sampling platforms; and
  - d. Utilities for sampling and testing equipment
- 9. The permittee shall operate equipment, control apparatus and emission monitoring equipment within their design limitations. The permittee shall maintain in good condition at all times equipment, control apparatus and emission monitoring equipment. [Regulation 19, §19.303 and/or Regulation 18, §18.1104 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
- If the permittee exceeds an emission limit established by this permit, the permittee will be deemed in violation of said permit and will be subject to enforcement action. The Department may forego enforcement action for emissions exceeding any limits established by this permit provided the following requirements are met: [Regulation 19, §19.601 and/or Regulation 18, §18.1101 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
  - a. The permittee demonstrates to the satisfaction of the Department that the emissions resulted from an equipment malfunction or upset and are not the result of negligence or improper maintenance, and the permittee took all reasonable measures to immediately minimize or eliminate the excess emissions.
  - b. The permittee reports the occurrence or upset or breakdown of equipment (by telephone, facsimile, or overnight delivery) to the Department by the end of the next business day after the occurrence or the discovery of the occurrence.
  - c. The permittee must submit to the Department, within five business days after the occurrence or the discovery of the occurrence, a full, written report of such occurrence, including a statement of all known causes and of the scheduling and

> nature of the actions to be taken to minimize or eliminate future occurrences, including, but not limited to, action to reduce the frequency of occurrence of such conditions, to minimize the amount by which said limits are exceeded, and to reduce the length of time for which said limits are exceeded. If the information is included in the initial report, the information need not be submitted again.

- 11. The permittee shall allow representatives of the Department upon the presentation of credentials: [A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
  - a. To enter upon the permittee's premises, or other premises under the control of the permittee, where an air pollutant source is located or in which any records are required to be kept under the terms and conditions of this permit;
  - b. To have access to and copy any records required to be kept under the terms and conditions of this permit, or the Act;
  - c. To inspect any monitoring equipment or monitoring method required in this permit;
  - d. To sample any emission of pollutants; and
  - e. To perform an operation and maintenance inspection of the permitted source.
- 12. The Department issued this permit in reliance upon the statements and presentations made in the permit application. The Department has no responsibility for the adequacy or proper functioning of the equipment or control apparatus. [A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
- 13. The Department may revoke or modify this permit when, in the judgment of the Department, such revocation or modification is necessary to comply with the applicable provisions of the Arkansas Water and Air Pollution Control Act and the regulations promulgated the Arkansas Water and Air Pollution Control Act. [Regulation 19, §19.410(A) and/or Regulation 18, §18.309(A) and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
- 14. This permit may be transferred. An applicant for a transfer must submit a written request for transfer of the permit on a form provided by the Department and submit the disclosure statement required by Arkansas Code Annotated §8-1-106 at least thirty (30) days in advance of the proposed transfer date. The permit will be automatically transferred to the new permittee unless the Department denies the request to transfer within thirty (30) days of the receipt of the disclosure statement. The Department may deny a transfer on the basis of the information revealed in the disclosure statement or other investigation or, deliberate falsification or omission of relevant information. [Regulation 19, §19.407(B) and/or Regulation 18, §18.307(B) and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
- 15. This permit shall be available for inspection on the premises where the control apparatus is located. [A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

- 16. This permit authorizes only those pollutant emitting activities addressed herein. [A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
- This permit supersedes and voids all previously issued air permits for this facility.
  [Regulation 18 and 19 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
- 18. The permittee must pay all permit fees in accordance with the procedures established in Regulation No. 9. [A.C.A §8-1-105(c)]
- 19. The permittee may request in writing and at least 15 days in advance of the deadline, an extension to any testing, compliance or other dates in this permit. No such extensions are authorized until the permittee receives written Department approval. The Department may grant such a request, at its discretion in the following circumstances:
  - a. Such an extension does not violate a federal requirement;
  - b. The permittee demonstrates the need for the extension; and
  - c. The permittee documents that all reasonable measures have been taken to meet the current deadline and documents reasons it cannot be met.

[Regulation 18, §18.314(A), Regulation 19, §19.416(A), A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, and 40 CFR Part 52, Subpart E]

- 20. The permittee may request in writing and at least 30 days in advance, temporary emissions and/or testing that would otherwise exceed an emission rate, throughput requirement, or other limit in this permit. No such activities are authorized until the permittee receives written Department approval. Any such emissions shall be included in the facilities total emissions and reported as such. The Department may grant such a request, at its discretion under the following conditions:
  - a. Such a request does not violate a federal requirement;
  - b. Such a request is temporary in nature;
  - c. Such a request will not result in a condition of air pollution;
  - d. The request contains such information necessary for the Department to evaluate the request, including but not limited to, quantification of such emissions and the date/time such emission will occur;
  - e. Such a request will result in increased emissions less than five tons of any individual criteria pollutant, one ton of any single HAP and 2.5 tons of total HAPs; and
  - f. The permittee maintains records of the dates and results of such temporary emissions/testing.

[Regulation 18, §18.314(B), Regulation 19, §19.416(B), A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, and 40 CFR Part 52, Subpart E]

- 21. The permittee may request in writing and at least 30 days in advance, an alternative to the specified monitoring in this permit. No such alternatives are authorized until the permittee receives written Department approval. The Department may grant such a request, at its discretion under the following conditions:
  - a. The request does not violate a federal requirement;
  - b. The request provides an equivalent or greater degree of actual monitoring to the current requirements; and
  - c. Any such request, if approved, is incorporated in the next permit modification application by the permittee.

[Regulation 18, §18.314(C), Regulation 19, §19.416(C), A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, and 40 CFR Part 52, Subpart E]

# **CERTIFICATE OF SERVICE**

I, Cynthia Hook, hereby certify that a copy of this permit has been mailed by first class mail to Thomas & Betts Corporation, 5601 E. Highland Dr., Jonesboro, AR, 72401, on this <u>1744</u> day of June, 2009.

Cynthia Hook, AAII, Air Division

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