



Catherine B. Templeton, Director

*Promoting and protecting the health of the public and the environment*

August 5, 2013

Mr. Bryan M. Howell  
The Lane Construction Corporation  
3176 Charleston Highway  
West Columbia, SC 29172

RE: Notice of Permit Coverage  
The Lane Construction Company - CMI Portable Asphalt Plant  
Permit Number: 9900-0339

Dear Mr. Howell:

The Department has renewed the Bureau of Air Quality's General Conditional Major Operating Permit for Asphalt Plants ("General Permit"). The renewed permit was issued on July 15, 2013 and will be valid through June 30, 2018. This permit supersedes any previous construction and/or operating permit issued to your facility. Your facility's coverage under the terms and conditions of this permit begins on August 5, 2013.

A copy of the General Permit and your facility's attachment(s) are enclosed with this letter. It is your responsibility to comply with all the requirements of this General Permit. The Department may conduct periodic inspections of your facility to determine compliance with the requirements of the General Permit. Any violations found during these inspections may result in an enforcement action. Therefore, it is incumbent upon you to ensure you are in compliance with the General Permit at all times. It is important for you to read this issued permit carefully and to understand all requirements. If any errors or emissions are found, immediately notify Kirk Schneider of my staff, via e-mail at Schneikg@dhec.sc.gov, or call (803) 898-4023.

If your facility no longer requires this permit, please submit DHEC Form D-2374 ("Permit Cancellation / Temporary Closure") to cancel your coverage under the General Permit. If coverage is not cancelled, you are responsible for all annual General Permit fees.

In the event, you disagree with the decision to approve the General Permit, or the terms and conditions of the General Permit, the enclosed "Guide to Board Review" explains the process for contesting the Department's decision.

Sincerely,

Elizabeth J. Basil  
Director, Engineering Services Division  
Bureau of Air Quality

EJB:kgs:kal  
Enclosure

cc: Permit File: 9900-0339  
ec: Shane Johnson, BEHS

## ATTACHMENT A

### FACILITY INFORMATION

**The Lane Construction Company - CMI Portable Asphalt Plant**  
**GCM-9900-0339**  
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**A - APPLICABLE PERMIT DATES**

COVERAGE DATE: August 5, 2013

**B - FACILITY PHYSICAL ADDRESS**

FACILITY STREET ADDRESS: 244 Remount Lane  
 CITY, STATE, ZIP FACILITY IS LOCATED IN: Walterboro, SC 29488  
 COUNTY FACILITY IS LOCATED IN: Colleton

| <b>C - FACILITY EQUIPMENT</b> |   |  |                          |
|-------------------------------|---|--|--------------------------|
| <b>Equipment ID</b>           | <b>Equipment Description</b>  | <b>Installation Date/Modification Date</b> | <b>Control Device ID</b> |
| AP                            | 400 tph Drum Mix Asphalt Plant<br>(40CFR60 Subpart I Applicable)  | 1999                                       | BH                       |
| DB                            | 120E+06 Btu/hr Asphalt Plant Dryer Burner<br>No.2 Fuel Oil (Maximum Sulfur Content 0.5%) and No.5<br>Recycled Fuel Oil (Maximum Sulfur Content 2.0%) as Burner<br>Fuels | 1999                                       | BH                       |
| LS                            | Lime Silo   | 1999                                       | BV                       |

| <b>D - FACILITY CONTROL DEVICES</b> |                                   |  |  |
|-------------------------------------|-----------------------------------|--|--|
| <b>Control Device ID</b>            | <b>Control Device Description</b> | <b>Installation Date/Modification Date</b> | <b>Pollutant(s) Controlled</b>           |
| BH                                  | Reverse Air Baghouse              | 1999                                       | PM, PM <sub>10</sub> , PM <sub>2.5</sub> |
| BV                                  | Bin Vent Baghouse                 | 1999                                       | PM, PM <sub>10</sub> , PM <sub>2.5</sub> |

| <b>E - FACILITY EXEMPT EQUIPMENT</b> |   |                          |  |
|--------------------------------------|---|--------------------------|--|
| <b>Equipment ID</b>                  | <b>Source Description</b>   | <b>Installation Date</b> | <b>Basis</b>                               |
| LAT                                  | 30,000 gallon Liquid Asphalt Tank   | 1999                     | SC Regulation 61-62.1, Section II(B)(2)(h) |
| FOT-1                                | 20,000 gallon No.5 Fuel Oil Tank  | 1999                     | Air Permitting Exemption List              |
| FOT-2                                | 2,000 gallon No.2 Fuel Oil Tank   | N/A                      | Air Permitting Exemption List              |
| HOH                                  | 1.80E+06 Btu/hr Hot Oil Heater<br>No.2 Fuel Oil (Maximum Sulfur<br>Content 0.5%) as fuels | 1999                     | SC Regulation 61-62.1, Section II(B)(2)(h) |



**ATTACHMENT B**

**MODELED EMISSION RATES  
The Lane Construction Company - CMI Portable Asphalt Plant  
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The emission rates listed herein are not considered federally enforceable limitations but are used to evaluate ambient air quality impact. Until the Department makes a determination that a facility is causing or contributing to an exceedance of a state or federal ambient air quality standard, increases to these emission rates are not in themselves considered violations of these ambient air quality standards.

| <b>STANDARD NO.2 - MODELED AAQS EMISSION RATES (lb/hr)</b> |                        |                         |                       |                       |           |             |
|--|------------------------|-------------------------|-----------------------|-----------------------|-----------|-------------|
| <b>STACK ID</b>  | <b>PM<sub>10</sub></b> | <b>PM<sub>2.5</sub></b> | <b>SO<sub>2</sub></b> | <b>NO<sub>x</sub></b> | <b>CO</b> | <b>Lead</b> |
| EP01   | 9.20                   | 1.16                    | 23.20                 | 22.00                 | 52.00     | Exempt      |

| <b>STANDARD NO.7 - MODELED PSD CLASS II INCREMENT EMISSION RATES (lb/hr)</b> |                                      |                       |                       |
|--|--------------------------------------|-----------------------|-----------------------|
| <b>STACK ID</b>  | <b>Minor Source Baseline Date(s)</b> |                       |                       |
|  | <b>11/30/1977</b>                    | <b>11/30/1977</b>     | <b>03/07/1989</b>     |
|  | <b>PM<sub>10</sub></b>               | <b>SO<sub>2</sub></b> | <b>NO<sub>x</sub></b> |
| EP01   | 9.20                                 | 23.20                 | 22.00                 |

| <b>STANDARD NO.8 - MODELED AIR TOXIC EMISSION RATES (lb/hr)</b> |                 |                |                  |                     |
|---|-----------------|----------------|------------------|---------------------|
| <b>STACK ID</b>   | <b>Acrolein</b> | <b>Benzene</b> | <b>Cadmium</b>   | <b>Formaldehyde</b> |
|   | <b>107-02-8</b> | <b>71-43-2</b> | <b>7440-43-9</b> | <b>50-00-0</b>      |
| EP01  | 0.0104          | 0.156          | 0.000164         | 1.24                |
| EP04A   | --              | 0.00156        | --               | 0.03364             |
| EP05A   | --              | 0.000865       | --               | 0.00210             |

| <b>STANDARD NO.8 - MODELED AIR TOXIC EMISSION RATES (lb/hr)</b> |                 |                  |                  |                                  |
|---|-----------------|------------------|------------------|----------------------------------|
| <b>STACK ID</b>   | <b>Hexane</b>   | <b>Mercury</b>   | <b>Nickel</b>    | <b>Polycyclic Organic Matter</b> |
|   | <b>110-54-3</b> | <b>7439-97-6</b> | <b>7440-02-0</b> | <b>-</b>                         |
| EP01  | 0.368           | 0.00104          | 0.0252           | 0.35393                          |
| EP04A   | 0.00491         | --               | --               | 0.011587                         |
| EP05A   | 0.0026          | --               | --               | 0.0080934                        |

## ATTACHMENT B

### MODELED EMISSION RATES The Lane Construction Company - CMI Portable Asphalt Plant GCM-9900-0339 Page 2 of 3

| <b>STANDARD NO.8 - MODELED AIR TOXIC EMISSION RATES (lb/hr)</b> |                        |                 |                 |
|---|------------------------|-----------------|-----------------|
| <b>STACK ID</b>   | <b>Propionaldehyde</b> | <b>Quinone</b>  | <b>Toluene</b>  |
|   | <b>123-38-6</b>        | <b>106-51-4</b> | <b>108-88-3</b> |
| EP01  | 0.052                  | 0.0641          | 1.16            |
| EP04A   | --                     | --              | 0.00302         |
| EP05A   | --                     | --              | 0.00351         |

| <b>STANDARD NO.8 - TOXIC AIR POLLUTANTS LEVEL I DE MINIMIS ANALYSIS</b> |                   |                               |                            |                      |
|---|-------------------|-------------------------------|----------------------------|----------------------|
| <b>POLLUTANT</b>  | <b>CAS NUMBER</b> | <b>EMISSION RATE (lb/day)</b> | <b>DE MINIMIS (lb/day)</b> | <b>PASS (Y or N)</b> |
| Acetaldehyde  | 75-07-0           | 12.480                        | 21.600                     | Y                    |
| Arsenic   | 7440-38-2         | 0.005                         | 0.012                      | Y                    |
| Acrolein  | 107-02-8          | 0.250                         | 0.015                      | N                    |
| Benzene   | 71-43-2           | 3.802                         | 1.800                      | N                    |
| Cadmium   | 7440-43-9         | 0.004                         | 0.003                      | N                    |
| Carbon Disulfide  | 75-15-0           | 0.024                         | 1.800                      | Y                    |
| Chromium (+6) Compounds   | +                 | 0.005                         | 0.030                      | Y                    |
| Cobalt  | 7440-48-4         | 0.000                         | 0.003                      | Y                    |
| Cumene  | 98-82-8           | 0.044                         | 0.108                      | Y                    |
| Ethyl Chloride  | 75-00-3           | 0.005                         | 316.800                    | Y                    |
| Ethylbenzene  | 100-41-4          | 2.460                         | 52.200                     | Y                    |
| Formaldehyde  | 50-00-0           | 30.602                        | 0.180                      | N                    |
| Hexane  | 110-54-3          | 9.009                         | 10.800                     | Y                    |
| Hydrochloric Acid   | 7467-01-0         | 2.016                         | 2.1                        | Y                    |
| Manganese Compounds   | +                 | 0.074                         | 0.300                      | Y                    |
| Methyl Ethyl Ketone   | 78-93-3           | 0.257                         | 177.000                    | Y                    |
| Mercury   | 7439-97-6         | 0.025                         | 0.003                      | N                    |

## ATTACHMENT B

**MODELED EMISSION RATES**  
**The Lane Construction Company - CMI Portable Asphalt Plant**  
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| STANDARD NO.8 - TOXIC AIR POLLUTANTS LEVEL I DE MINIMIS ANALYSIS |            |                        |                     |               |
|--|------------|------------------------|---------------------|---------------|
| POLLUTANT  | CAS NUMBER | EMISSION RATE (lb/day) | DE MINIMIS (lb/day) | PASS (Y or N) |
| Methyl Bromide   | 74-83-9    | 0.010                  | 1.200               | Y             |
| Methyl Chloride  | 74-87-3    | 0.033                  | 6.180               | Y             |
| Methyl Chloroform  | 71-55-6    | 0.461                  | 114.600             | Y             |
| Methylene Chloride   | 75-09-2    | 0.000                  | 105.000             | Y             |
| Naphthalene  | 91-20-3    | 6.325                  | 15.000              | Y             |
| Nickel   | 7440-02-0  | 0.605                  | 0.006               | N             |
| Phenol   | 108-95-2   | 0.039                  | 2.280               | Y             |
| Polycyclic Organic Matter  | +          | 8.967                  | 1.920               | N             |
| Propionaldehyde  | 123-38-6   | 1.248                  | +                   | N             |
| Quinone  | 106-51-4   | 1.536                  | 0.024               | N             |
| Selenium Compounds   | +          | 0.003                  | 0.012               | Y             |
| Styrene  | 100-42-5   | 0.009                  | 63.900              | Y             |
| Tetrachloroethylene  | 127-18-4   | 0.003                  | 40.200              | Y             |
| 2,3,7,8-Tetrachlorinated Dibenzo-p-dioxins                       | 1746-01-6  | 0.000                  | 0.000               | Y             |
| 2,2,4-Trimethylpentane   | 540-84-1   | 0.385                  | 105.000             | Y             |
| Toluene  | 108-88-3   | 27.996                 | 24.000              | N             |
| Xylene   | 1330-20-7  | 2.318                  | 52.200              | Y             |