



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

October 30, 2013

Michael K Crenshaw
King Asphalt Inc.
P.O. Box 179
Liberty, SC 29657

RE: Modification of Attachment A for the General Conditional Major Operating Permit for Asphalt Plants
King Asphalt, Inc. - Simpsonville
Permit Number: 9900-0283

Dear Mr. Crenshaw:

Enclosed is Attachment A to GCM-9900-0283. This modified permit has the same expiration date as the previous General Conditional Major Operating Permit for Asphalt Plants and will remain valid through June 30, 2018. This modified permit is being issued to incorporate changes into your existing permit as described in the enclosed "Record of Revisions."

Please be advised that this facility's periodic reporting period is not affected by this modification. In addition, there have been no changes to the General Conditional Major for Asphalt Plants. It has not been included and you should retain the copy you were previously issued.

It is important for you and/or an authorized representative responsible for the overall operation of this facility to read this issued permit carefully and to understand all requirements. If any errors or omissions are discovered, please notify Kirk Schneider, (803) 898-4023 or e-mail at schneikg@dhec.sc.gov promptly if any are discovered.

In the event, you disagree with the modification to the 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: 9900-0283
ec: Bill Williamson, BEHS

ATTACHMENT A

FACILITY INFORMATION King Asphalt, Inc. - Simpsonville GCM-9900-0283 Page 1 of 2

A - APPLICABLE PERMIT DATES

COVERAGE DATE: August 5, 2013

B - FACILITY PHYSICAL ADDRESS

FACILITY STREET ADDRESS: 1189 Old Stage Rd
CITY, STATE, ZIP FACILITY IS LOCATED IN: Simpsonville, SC 29681
COUNTY FACILITY IS LOCATED IN: Greenville

| C - FACILITY EQUIPMENT | | | |
|------------------------|---|---|-------------------|
| Equipment ID | Equipment Description | Installation Date/ Modification Date | Control Device ID |
| AP | 500 tph Drum Mix Asphalt Plant (40CFR60 Subpart I Applicable) | 2005 | BH |
| DB | 125E+06 Btu/hr Asphalt Plant Dryer Burner Natural Gas and No.2 Fuel Oil (Maximum Sulfur Content 0.5%) as Burner Fuels | 2005 | BH |
| LS | Lime Silo | 2003 | BV |

| D - FACILITY CONTROL DEVICES | | | |
|------------------------------|----------------------------|---|--|
| Control Device ID | Control Device Description | Installation Date/ Modification Date | Pollutant(s) Controlled |
| BH | Pulse Jet Baghouse | 2005 | PM, PM ₁₀ , PM _{2.5} |
| BV | Bin Vent Baghouse | 2003 | PM, PM ₁₀ , PM _{2.5} |

| E - FACILITY EXEMPT EQUIPMENT | | | |
|-------------------------------|--|-------------------|--|
| Equipment ID | Source Description | Installation Date | Basis |
| LAT-1 | 30,000 gallon Liquid Asphalt Tank No.1 | 2005 | SC Regulation 61-62.1, Section II(B)(2)(h) |
| LAT-2 | 30,000 gallon Liquid Asphalt Tank No.2 | 2005 | SC Regulation 61-62.1, Section II(B)(2)(h) |
| FOT | 15,000 gallon No.2 Fuel Oil Tank | 1997 | Air Permitting Exemption List |
| HOH | 2.7E+06 Btu/hr Hot Oil Heater Natural Gas and No.2 Fuel Oil No.2 (Maximum Sulfur Content 0.5%) as Fuels | 2005 | SC Regulation 61-62.1, Section II(B)(2)(h) |
| DL | 200 tph Delumper | 2013 | SC Regulation 61-62.1, Section II(B)(2)(h) |

ATTACHMENT B

MODELED EMISSION RATES King Asphalt, Inc. - Simpsonville GCM-9900-0283 Page 1 of 3

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.

| STANDARD NO. 2 – MODELED AAQS EMISSION RATES (lb/hr) | | | | | | |
|---|------------------------|-------------------------|-----------------------|-----------------------|-----------|-------------|
| STACK ID | PM₁₀ | PM_{2.5} | SO₂ | NO_x | CO | Lead |
| EP01 | 11.5 | Exempt | 5.5 | 27.5 | 65.00 | -- |

| STANDARD NO. 7 - MODELED PSD CLASS II INCREMENT EMISSION RATES (lb/hr) | | | |
|---|--------------------------------------|-----------------------|-----------------------|
| STACK ID | Minor Source Baseline Date(s) | | |
| | 7/3/2001 | 7/3/2001 | 7/18/1995 |
| | PM₁₀ | SO₂ | NO_x |
| EP01 | 11.500 | 5.5000 | 27.500 |

| STANDARD NO.8 - MODELED AIR TOXIC EMISSION RATES (lb/hr) | | | | |
|---|----------------|------------------|---------------------|-----------------|
| STACK ID | Benzene | Cadmium | Formaldehyde | Hexane |
| | 71-43-2 | 7440-43-9 | 50-00-0 | 110-54-3 |
| EP01 | 0.195 | 2.05E-4 | 1.55 | 0.46 |
| EP02A | 6.49E-04 | -- | 1.40E-02 | 2.03E-03 |
| EP02B | 3.60E-04 | -- | 6.09E-04 | 1.04E-03 |
| EP03A | 6.49E-04 | -- | 1.40E-02 | 2.03E-03 |
| EP03B | 3.60E-04 | -- | 6.09E-04 | 1.04E-03 |
| EP04A | 6.49E-04 | -- | 1.40E-02 | 2.03E-03 |
| EP04B | 3.60E-04 | -- | 6.09E-04 | 1.04E-03 |

ATTACHMENT B

**MODELED EMISSION RATES
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| STANDARD NO.8 - MODELED AIR TOXIC EMISSION RATES (lb/hr) | | | | |
|---|------------------|------------------|----------------------------------|-----------------|
| STACK ID | Mercury | Nickel | Polycyclic Organic Matter | Toluene |
| | 7439-97-6 | 7440-02-0 | N/A | 108-88-3 |
| EP01 | 0.0013 | 0.0315 | 0.4424 | 1.45 |
| EP02A | -- | -- | 4.83E-03 | 1.26E-03 |
| EP02B | -- | -- | 3.37E-03 | 1.46E-03 |
| EP03A | -- | -- | 4.83E-03 | 1.26E-03 |
| EP03B | -- | -- | 3.37E-03 | 1.46E-03 |
| EP04A | -- | -- | 4.83E-03 | 1.26E-03 |
| EP04B | -- | -- | 3.37E-03 | 1.46E-03 |

| 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) |
| Arsenic | 7440-38-2 | 0.007 | 0.012 | Y |
| Benzene | 71-43-2 | 4.753 | 1.800 | N |
| Cadmium | 7440-43-9 | 0.005 | 0.003 | N |
| Carbon Disulfide | 75-15-0 | 0.030 | 1.800 | Y |
| Chromium (+6) Compounds | + | 0.005 | 0.030 | Y |
| Cobalt | 7440-48-4 | 0.000 | 0.003 | Y |
| Cumene | 98-82-8 | 0.055 | 0.108 | Y |
| Ethyl Chloride | 75-00-3 | 0.006 | 316.800 | Y |
| Ethylbenzene | 100-41-4 | 3.075 | 52.200 | Y |
| Formaldehyde | 50-00-0 | 38.253 | 0.180 | N |
| Hexane | 110-54-3 | 11.261 | 10.800 | N |
| Manganese Compounds | + | 0.092 | 0.300 | Y |

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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 Ethyl Ketone | 78-93-3 | 0.081 | 177.000 | Y |
| Mercury | 7439-97-6 | 0.031 | 0.003 | N |
| Methyl Bromide | 74-83-9 | 0.012 | 1.200 | Y |
| Methyl Chloride | 74-87-3 | 0.041 | 6.180 | Y |
| Methyl Chloroform | 71-55-6 | 0.576 | 114.600 | Y |
| Methylene Chloride | 75-09-2 | 0.000 | 105.000 | Y |
| Naphthalene | 91-20-3 | 7.907 | 15.000 | Y |
| Nickel | 7440-02-0 | 0.756 | 0.006 | N |
| Phenol | 108-95-2 | 0.048 | 2.280 | Y |
| Polycyclic Organic Matter | + | 11.208 | 1.920 | N |
| Selenium Compounds | + | 0.004 | 0.012 | Y |
| Styrene | 100-42-5 | 0.012 | 63.900 | Y |
| Tetrachloroethylene | 127-18-4 | 0.004 | 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 | 0.481 | 105.000 | Y |
| Toluene | 108-88-3 | 34.995 | 24.000 | N |
| Xylene | 1330-20-7 | 2.897 | 52.200 | Y |
| o-Xylene | 95-47-6 | 0.123 | 52.200 | Y |