



**NON-TITLE V PERMIT APPLICATION
 ASPHALT PLANT SOURCE DESCRIPTION**

Type or print. Submit for each asphalt plant. Submit with the APC 100.

GENERAL IDENTIFICATION AND DESCRIPTION

| | | | | | |
|--|----------------------------|--------------------|--|---------------------------|--------------------|
| 1. Organization's legal name and SOS control number [as registered with the TN Secretary of State (SOS)] | | | 2. Emission Source Reference Number | | |
| 3. Is this air contaminant source subject to an NSPS or NESHAP rule? Yes No If Yes, list rule citation, including Part, Subpart, and applicable Sections: | | | | | |
| 4. Classification (Check appropriate boxes) | | After Apr. 3, 1972 | | After Apr. 21, 1976 | |
| Was this plant first set up in Tennessee: | | Yes | No | Yes No | |
| Was this plant moved into Tennessee: | | Yes | No | Yes No | |
| 5. Previous owner and location (if any) | | Date moved | | Manufacture date of plant | |
| 6. Plant type: | Batch | Continuous | Permanent | Portable | |
| 7. Plant capacity* | Operating rate (Tons/Hour) | | Annual production (Tons/Year) | | Mixer (Tons/Batch) |
| | Design | Actual | Maximum | Average | |

ROAD INFORMATION

| | | | | |
|------------------|--------------------------|----------------------------|--------------------------|----------------------------------|
| 8. Roads: | Paved (Miles of road) | Unpaved (Miles of road) | Oiled (Miles of road) | Watered (Miles and frequency) |
| Plant yard | | | | |
| Access roads | | | | |

STOCKPILE INFORMATION

| | | | | | | |
|-----------------------|----------------------------|-------------------------------|-----------------------------|---------------|--------------------|----------------------------------|
| 9. Stockpiles: | Estimated annual (Tons) | Turnover rate (Tons/Month) | Number of sides enclosed | Received damp | Wetted as received | Dust control method (specify) |
| Crushed rock | | | | | | |
| Gravel | | | | | | |
| Other (specify) | | | | | | |
| Other (specify) | | | | | | |

| | | |
|---|-----|----|
| 10. Are the exhausts from secondary sources of dust (e.g. elevators, screens, and bin discharges) manifolded to the same point as the dryer exhaust gases? | Yes | No |
|---|-----|----|

STACK INFORMATION

| | | | | | |
|--|---------------------------------------|----------------------|------------------|---|---|
| 11. Stack or emission point data: | Height above grade (Ft.) | Diameter (Ft.) | Temperature (°F) | Direction of exit (Up, down, or horizontal) | Distance to nearest property line (Ft.) |
| Data at exit conditions | Flow (Actual Ft. ³ /Min.) | Velocity (Ft. /Sec.) | | Moisture (Grains/Ft. ³) | Moisture (Percent) |
| Data at standard conditions | Flow (Dry Std. Ft. ³ /Min) | Velocity (Ft. /Sec.) | | Moisture (Grains/Ft. ³) | Moisture (Percent) |

EMISSION INFORMATION

12. Air contaminants. Emission estimates for each air contaminant emitted from this point should be based on stack sampling results or engineering calculations. Calculations should be attached on a separate sheet. (see instructions for more details)

| Air contaminants | Average Emission (Lbs./Hr.) | Maximum Emissions (Lbs./Hr.) | Concentration | Average Emissions (Ton/Yr.) | Potential Emissions (Ton/Yr.) | Emissions Estimation method* | Control devices * | Control efficiency (%)*** |
|--|-----------------------------|------------------------------|---------------|-----------------------------|-------------------------------|------------------------------|-------------------|---------------------------|
| Particulate matter (PM) | | | ** | | | | | |
| Sulfur dioxide (SO ₂) | | | PPM | | | | | |
| Carbon monoxide (CO) | | | PPM | | | | | |
| Volatile organic compounds (VOC) | | | PPM | | | | | |
| Nitrogen oxides (NO _x) | | | PPM | | | | | |
| Hydrogen chloride (HCl) | | | | | | | | |
| Hydrogen fluoride (HF) | | | | | | | | |
| Lead (Pb) | | | | | | | | |
| Greenhouse gases (CO ₂ equivalents) | | | | | | | | |
| Other (specify) | | | | | | | | |
| Other (specify) | | | | | | | | |

Attach a sketch of the plant showing storage piles, bins, feeders, conveyors, rotary dryers, elevators, screens, hot bins, mixers, product discharges, control equipment, and pertinent process equipment. Also indicate location and approximate lengths of both plant and access roads. Show paved and unpaved portions of each as well as portions watered, oiled, etc. with approximate mileage lengths indicated on sketch.

* Refer to the instructions for the estimation method and control device codes.

** Exit gas particulate matter concentration units: Grains/Dry Standard Ft³ (70°F).

*** Supply vendor name and guaranteed control efficiency, or grain loading guarantee.

13. Control device. Description of proposed monitoring, recordkeeping, and reporting to assure compliance with emission limits. Include operating parameters of control device (flow rate, temperature, pressure drop, etc.).

FUEL INFORMATION

| 14. Fuel data: | Primary fuel type (specify) | | Standby fuel type(s) (specify) | | | |
|-----------------------|-----------------------------|--------------------------|--------------------------------|----------|-------|-------------------|
| Fuel | Annual usage | Usage per ton of asphalt | | % Sulfur | % Ash | BTU value of fuel |
| | | Maximum | Average | | | |
| Natural gas | 10 ⁶ Cu. Ft. | Cu. Ft. | Cu. Ft. | /// | /// | 1,000 |
| #2 Fuel oil | 10 ³ Gal. | Gal. | Gal. | /// | /// | |
| #5 Fuel oil | 10 ³ Gal. | Gal. | Gal. | /// | /// | |
| #6 Fuel oil | 10 ³ Gal. | Gal. | Gal. | /// | /// | |
| Liquid propane | 10 ³ Gal. | Gal. | Gal. | /// | /// | 85,000 |
| Other (specify) | | | | | | |

15. Comments

SIGNATURE

If this form is being submitted at the same time as an APC 100 form, then a signature is not required on this form. Date this form regardless of whether a signature is provided. If this form is NOT being submitted at the same time as an APC 100 form, then a signature is required.

Based upon information and belief formed after a reasonable inquiry, I, as the responsible person of the above mentioned facility, certify that the information contained in this application is accurate and true to the best of my knowledge. As specified in TCA Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

| | | |
|--------------------------------------|--------------|------------------------------------|
| 16. Signature | | Date |
| Signer's name (type or print) | Title | Phone number with area code |