|  |  |
| --- | --- |
| Minnesota Pollution Control Agency (MPCA), 520 Lafayette Road North, St. Paul, MN 55155-4194 | Air Performance Test formAir Quality Compliance ProgramOperating Data Summary for Asphalt SourcesDoc Type: Compliance/Enforcement Correspondence |

**Instructions:** Email test reports and plans to: SubmitStackTest.pca@state.mn.us

## **General information** (All blanks must be filled in; use N/A where appropriate. Check all that apply.)

|  |  |
| --- | --- |
| Test date(s): |       |
| This plant is: | [ ]  Portable (moved around for majority of year) [ ]  Stationary (in one place for majority of year) |
| Plant type: | [ ]  Batch mix [ ]  Parallel flow drum [ ]  Counterflow drum [ ] Continuous mix |
| Other: |       |
| Pollution Control Equipment: | [ ]  Fabric filter [ ]  Multi-clone [ ]  Cyclone [ ]  Venturi Scrubber  |
|  | [ ]  If Wet Scrubber: |       | % scrubber water recycled |

## **Fuel, Material processed, and Control Equipment information**

|  |
| --- |
| Itemize all fuels and materials added to the combustion process during the test period. List fuel type used during testing.  |
| **If oil, specify type:** |       |  If other units of measure are used, specify and calculate appropriate heat input. |
| What other types of fuel can be burned? |       |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test No.** | **Fuel input**(gal/hr) | **Heat content**(Btu/gal**-**as received) | **Heat input**(Btu/hr) | **% - 200 fines** | **% Moisture of virgin aggregate material** |
| **Run 1:** |       |       |       |       |       |
| **Run 2:** |       |       |       |       |       |
| **Run 3:** |       |       |       |       |       |
| **Average:** |       |       |       |       |       |

|  |  |  |
| --- | --- | --- |
| **Other control equipment parameters** | **Design** | **During testing** |
| Cleaning cycles *(fabric filter)* |       |       |
| Air to cloth ratios *(fabric filter)* |       |       |
| No. of spray bars and psi *(scrubber)* |       |       |
| No. of nozzles per spray bar *(scrubber)* |       |       |
| Water flow rate in gpm *(scrubber)* |       |       |
| **Describe the location of the thermocouples reading exiting dryer and mix temperature:** |       |

**Abbreviations**

*gal/hr = gallons per hour*

*Btu/gal = British thermal unit per gallon*

*Btu/hr = British thermal unit per hour*

*psi = pounds per square inch*

*gpm = gallons per minute*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Time** in 15-minute intervals | **Virgin (V) Material**tph | **Asphalt (A) Material**tph | **Total Throughput (V+A)**tph | **Temp. of Gases Exiting Dryer**°F | **Hot Mix Temp.**°F | **Dust Collector ΔP** in. w. c. | **Water Flow Rate**gpm | **Water Supply Pressure**psig |
|       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |
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|       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |
| **Average:** |       |       |       |       |       |       |       |       |

**Abbreviations**

*tph = tons per hour*

°*F = degrees Fahrenheit*

Δ*P = pressure drop*

*Temp. = Temperature*

*gpm = gallons per minute*

*in. w.c. = inches of water column*

*psig = pounds per square inch gauge*

**Note:**

* All information required must be completed and submitted as part of the performance test report. Failure to submit the required information will result in an incomplete performance test report.
* This form provides only a summary of the operating conditions during the performance test. Additional and more detailed records must be included in the test report to meet the requirements of Minn. R. 7017.2035. This form is to be submitted as part of the performance test report.