









**Section 3.0: Emission Information**

<b>Liquid Storage Tank</b>		Liquid Stored:	
Emission Source I.D. No(s). (Group Identical Emission Sources)		Average Liquid Surface Temp.	MW Lb/Lb Mole:
Capacity (Gal.)		Diameter (Ft.)	Tank Roof Height (Ft.)
Tank Liquid Height (Ft.)	Max.	Min.	Tank Shell Height (Vert.)
Max. Throughput Per Year (Gal.)		Max. Turnovers Per Year.	
Storage Tank Type: ( ) Vertical Fixed ( ) Horizontal Fixed ( ) External Floating ( ) Internal Floating			
Roof Color/Shade:		Shell Color/Shade:	
Roof Condition:		Shell Condition:	
<b>Vertical Fixed Roof Tank:</b>		( ) Cone	( ) Dome
Slope of Cone Roof (Ft/Ft):		Radius of Dome Roof (Ft):	
<b>Floating Roof Tank:</b>	Construction:	Fitting Category:	
	Primary Seal:	Secondary Seal:	
<b>External Floating Roof Tank:</b>	Roof Type: ( ) Pontoon ( ) Double Deck		
<b>Internal Floating Roof Tank:</b>	Self Supporting Roof? (Y/N)	No. of Columns:	
Deck Construction:	( ) Continuous Sheet	( ) Panel	
	Sheet Width:	Panel Dimensions (Ft):	
Deck Seam Length (Ft):			
Requested Limitation:			
<b>Hot Mix Asphalt Plant:</b>			
Emission Source I.D. No (s).	Type of Operation: ( ) Batch	Batches/Day: _____	( ) Continuous
	Normal Batch Time:		
	Input Rates ( Tons Per Year)	Control Device:	Comments:
	Maximum	Average	
<i>Aggregate:</i>			
<i>Recycled Asphalt:</i>			
<i>Tons Transported on Haul Roads:</i>			
Paved Haul Roads:	Vehicle Miles Traveled (Yr.).		
Unpaved Haul Roads:	Vehicle Miles Traveled (Yr.).		
Storage Piles Area:	Acreage:		
Requested Limitation:			
<b>Quarry Operations</b>			
Emission Source ID No.(s) (Group Identical Emission Sources)	Type of Operation: ( ) Continuous	( ) Batch	
		Batches/Day_____	
		Normal Batch Time:_____	
<i>Process Type or Method</i>	Design Rate (Tons/Year)	Average Rate (Tons/Year)	Control Device
1. Primary Crusher			
2. Secondary Crusher			
3. Tertiary Crusher # 1			
4. Tertiary Crusher # 2			
5. Tertiary Crusher # 3			
6. Screens			
7. Conveyors			
8. Pugmill			
9. Storage Piles Area			
10. Haul Roads			
Requested Limitation:			



### Section 4.0: Control Device Information

Control Device I.D. No(s).		Controls Emissions from which emission source ID no(s).	
Emission Point ID No(s).			
Proposed Construction Date:	Completion Date:	Startup Date:	
Manufacturer/Model:		Date Manufactured:	
Indicate Control Device: (Complete Appropriate Control Device Section On Following Pages)			
<input type="checkbox"/> Fabric Filter <input type="checkbox"/> Electrostatic Precipitator <input type="checkbox"/> Thermal/Catalytic <input type="checkbox"/> Cyclone <input type="checkbox"/> Gaseous Absorber <input type="checkbox"/> Wet Scrubber <input type="checkbox"/> Adsorber <input type="checkbox"/> Condenser <input type="checkbox"/> Other -Describe _____			
Pollutant(s) Collected: _____, _____, _____, _____, _____,			
Corresponding Efficiency _____%    _____%    _____%    _____%    _____%			
Efficiency Determination: _____			
Before Control Emissions (Lb./Hr) _____			
After Control Emissions (Lb./Hr) _____			
Particle Size Distribution (Microns)    _____0-1    _____1-10    _____10-25    _____25-50    _____50-100			
Corresponding Efficiency _____%    _____%    _____%    _____%    _____%			
Attachments:			
1. Describe Startup Procedures 2. Describe Any Monitoring Devices, Gauges, Warning Alarms, Test Ports, Etc. 3. Describe By Diagram The Relationship Of The Control Device To Its Emission Sources. 4. Describe Conditions Under Which Bypass Vent Of Control Device (If Any) Would Be Used.			
Indicate All Requested Enforceable Permit Limitations(e.g. Material Input Rates, Minimum Efficiency Rate, ETC.) And Describe How These Limits Are Monitored And With What Frequency.			
<b>Fabric Filter</b>			
Control Device ID No(s). (Group Identical Control Devices)		Pressure Drop (IN H2O) Min _____ Max _____	Inlet Temp (F): Min _____ Max _____
Inlet Air Flow Rate (ACFM):	Air To Cloth Ratio:	Filter Surface Area (Ft2)	
Filter Max. Operating Temp.(F):	Filter Material:	Particulate Material:	
No. Of Compartments:	Gas Stream Moisture %:	Felted (Y/N):	
Cleaning Method: <input type="checkbox"/> Mechanical <input type="checkbox"/> Reverse Flow <input type="checkbox"/> Simple Bag Collapse <input type="checkbox"/> Sonic <input type="checkbox"/> Ringed Bag Collapse <input type="checkbox"/> Air Pulse <input type="checkbox"/> Other-Describe _____			
Time Between Cleanings:			
<b>ESP</b>			
Control Device ID No(s). (Group Identical Control Devices)		Pressure Drop (in H2O): Min _____ Max _____	Inlet Temp (F): Min _____    Max _____
Inlet Air Flow Rate (ACFM):	Collection Plate Area (Ft2):	No. Fields:	
No. Plates/Field:	Particle Migration Velocity (Ft/Sec)		
Particle Density (Lb/Ft3):	Field Strength (Volts)	Charging:	Collecting:
Corona Power (Watts/1000 CFM):	Electrical Usage (KW/Hour):		
Resistivity Of Pollutant (OHM-CM):	Gas Viscosity (POISE):		
Cleaning Method: <input type="checkbox"/> Plate Wrapping <input type="checkbox"/> Plate Vibrating <input type="checkbox"/> Washing <input type="checkbox"/> Other-Describe: _____			
Comments:			

### Section 4.0: Control Device Information

<b>Condenser:</b> Control Device I.D. No(s).		Emission Stream Flow Rate (CFM):	Inlet Emission Stream Temp (F)
Moisture Content of Emission Stream (%):		Temp. Of Condensation (F):	
Coolant Used:		Temp. of Inlet Coolant (F):	
Coolant Flow Rate (LB/HR):		Refrigeration Capacity (Tons):	
Condenser Surface Area (Ft <sup>2</sup> ):		Spec. Heat of Pollutant Collected (BTU/Lb.-Mol F):	
Heat of Vaporization of Collected Pollutant (BTU/LB-Mol):			
<b>Gaseous Absorber:</b> Control Device ID:		Pressure Drop (In H2O):	Inlet Temp (F)
		Min.	Min
		Max.	Max.
Gas Dew Point (F):		Gas Velocity (Ft/Sec):	
Type of System:			
Packed Column:	Type of Packing:	Column Length (Ft):	Column Diameter (Ft):
Plate Column:	Plate Spacing (IN):	Column Length (Ft):	Column Diameter (Ft):
Additive Liquid Scrubbing Medium:			% Recirculated:
<b>Wet Scrubber</b> Control Device ID		Pressure Drop (In H2O):	Inlet Temp (F):
		Min.	Min.
		Max.	Max.
Inlet Air Flow Rate (ACFM):		Moisture Content: Inlet _____ % Outlet _____ %	
Throat Velocity (Ft/Sec):		Throat Type: (Fixed) ( ) Variable	
Emission Stream Mean Particulate Diameter (Microns):			
Type of Scrubber: ( ) Venturi ( ) Impingement ( ) Packed Tower ( ) Gravity Tower ( ) Mist Eliminator ( ) Orifice Type ( ) Cyclonic ( ) Other (Describe) _____			
Type of Packing Used If Any:			
Additive Liquid Scrubbing Medium:			% Recirculated
Total Liquid Injection Rate (Gal/Min): Min _____ Max _____			Flow Rate Gauge Installed? (Y/N)
Make Up Rate (Gal/Min):			For Additive (Gal/Min):
<b>Other (Describe):</b> Control Device ID:		Pressure Drop (IN H2O):	Inlet Temp (F):
		Min _____	Min _____
		Max _____	Max _____
Inlet Air Flow Rate (ACFM):		Outlet Air Flow Rate (ACFM):	
Inlet Air Flow Velocity (Ft/Sec):		Outlet Air Flow Velocity (Ft/Sec):	
Inlet Moisture Content (%):		Collection Surface Area (Ft <sup>2</sup> ):	
Fuel Used:		Fuel Usage Rate:	
Comments:			

**Section 4.0: Control Device Information**

<b>Thermal/Catalytic</b> Control Device I.D. No(s). (Group Identical Control Devices)		Pressure Drop (In H2O): Min _____	Inlet Temp (F): Min _____
		Max _____	Max _____
If Catalyst Used Type:		Catalyst Space Velocity (1/Hr):	
Inlet Air Flow Rate (ACFM):		Residence Time (Sec):	Combustion Temp (F):
Combustion Chamber Volume (Ft3):		Inlet Moisture Content %:	% Excess Air:
Fuel Used:	Total Maximum Firing Rate (Million BTU/Hr):		
Maximum Annual Fuel Use:		Maximum Hourly Fuel Use:	
Method Used To Increase Mixing:			
<b>Cyclone</b> Control Device ID No(s). (Group Identical Control Devices)		Inlet Temp (F): Min _____ Max _____	
		Inlet Air Flow Rate (ACFM):	
		Particle Density (Lb./Ft3):	
<i>Settling Chamber</i>		<i>Cyclone</i>	<i>Multicyclone</i>
Length (Inches):	Inlet Velocity (Ft/Sec):	Press. Drop. Min _____ Max _____	
Width (Inches):	Dimensions (Inches):	<i>If Water Spray Utilized</i>	No. of Tubes:
Height (Inches):		Liquid Used:	Diameter of Tubes:
Velocity (Ft/Sec):		Flow Rate (GPM):	Hopper Aspiration System?
No. Trays		Make Up Rate (GPM):	( ) Yes ( ) No
No. Baffles			Louvers? (Y/N):
<b>Adsorber</b> Control Device ID No(s). (Group Identical Control Devices)		Pressure Drop (In H2O) Min _____	Inlet Temp (F): Min _____
		Max _____	Max _____
Size of Compartments	Length:	Width	Height: Diameter:
Method of Adsorption: ( ) One Pass Regenerative ( ) One Pass Non-Regenerative			
( ) Recirculating ( ) Other-Describe _____			
Type of Adsorption Material:		Amount of Sorbent (Lbs.):	No. of Compartments:
Regenerative Method: ( ) Thermal (Dry Heat) ( ) Chemical ( ) Thermal (Steam) ( ) Other-Describe _____			
Regenerative Schedule: Max. Time for Desorption		Length of Time to Max Saturation:	
How Are Emissions Controlled During Regeneration?			
Volatile Concentrations (PPM): Entering Unit: Leaving Unit:			
Relative Humidity of Air Stream Entering Unit (%):		Cycle Time:	
Breakthrough Capacity (Lb. Vapor/Lb. Adsorbent):		Breakthrough Alarm?	
Orientation of Beds:			
Comments:			

