



**DNREC – Air Quality Management Section
Application to Construct, Operate, or Modify
Stationary Sources)**

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Emissions Information Application

If you are using this form electronically, press F1 at any time for help

<u>Process Information</u>	
1.	Number of Individual Pieces of Process Equipment in Process: The facility includes 12 pieces of air pollution emitting equipment including 7 CTs/HRSGs, 3 RGE/HRSGs, and two cooling towers
2.	Number of Individual Control Devices in Process: Each combustion turbine includes dry low NOx combustion (7), each HRSG includes catalytic oxidation and SCR units (8), and drift eliminators on cooling towers (2)

<u>Emissions Information for First Emission Point/Stack</u>						
3. Emission Point Name: refer to Emission tables for emissions estimates						
4. Equipment ID Number for all Process Equipment and Control Devices Venting Through Emission Point/Stack:						
5. Pollutant Emissions						
If more than 18 pollutants are emitted at this Emission Point/Stack, attach additional copies of this page as needed.						
	Pollutant Name (Specify VOCs and HAPs Individually in 5.10 through 5.18)	CAS Number (Not required for 5.1 through 5.9)	Maximum Uncontrolled Emission Rate at Design Capacity	Maximum Controlled Emission Rate at Design Capacity	Annual Potential to Emit (PTE)	Expected Annual Emissions
5.1.	Particulate Matter (PM)		lbs/hour	lbs/hour	tons/year	tons/year
5.2.	PM ₁₀		lbs/hour	lbs/hour	tons/year	tons/year
5.3.	PM _{2.5}		lbs/hour	lbs/hour	tons/year	tons/year
5.4.	Sulfur Oxides (SO _x)		lbs/hour	lbs/hour	tons/year	tons/year
5.5.	Nitrogen Oxides (NO _x)		lbs/hour	lbs/hour	tons/year	tons/year
5.6.	Carbon Monoxide (CO)		lbs/hour	lbs/hour	tons/year	tons/year
5.7.	Lead		lbs/hour	lbs/hour	tons/year	tons/year
5.8.	Total Volatile Organic Compounds (VOCs)		lbs/hour	lbs/hour	tons/year	tons/year



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Emissions Information for First Emission Point/Stack						
5.9.	Total Hazardous Air Pollutants (HAPs)		lbs/hour	lbs/hour	tons/year	tons/year
5.10.			lbs/hour	lbs/hour	tons/year	tons/year
5.11.			lbs/hour	lbs/hour	tons/year	tons/year
5.12.			lbs/hour	lbs/hour	tons/year	tons/year
5.13.			lbs/hour	lbs/hour	tons/year	tons/year
5.14.			lbs/hour	lbs/hour	tons/year	tons/year
5.15.			lbs/hour	lbs/hour	tons/year	tons/year
5.16.			lbs/hour	lbs/hour	tons/year	tons/year
5.17.			lbs/hour	lbs/hour	tons/year	tons/year
5.18.			lbs/hour	lbs/hour	tons/year	tons/year
6. Provide Any Additional Information Necessary to Understanding the Emission Rates Provided Above:						
Attach the Basis of Determination or Calculations for each Emission Rate provided above.						

Emissions Information for Second Emission Point/Stack					
7. Emission Point Name:					
8. Equipment ID Number for all Process Equipment and Control Devices Venting Through Emission Point/Stack:					
9. Pollutant Emissions					
If more than 18 pollutants are emitted at this Emission Point/Stack, attach additional copies of this page as needed.					
<u>Pollutant Name</u> (Specify VOCs and HAPs Individually in 9.10 through 9.18)	<u>CAS Number</u> (Not required for 9.1 through 9.9)	<u>Maximum Uncontrolled Emission Rate at Design Capacity</u>	<u>Maximum Controlled Emission Rate at Design Capacity</u>	<u>Annual Potential to Emit (PTE)</u>	<u>Expected Annual Emissions</u>



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Emissions Information for Second Emission Point/Stack						
9.1.	Particulate Matter (PM)		lbs/hour	lbs/hour	tons/year	tons/year
9.2.	PM ₁₀		lbs/hour	lbs/hour	tons/year	tons/year
9.3.	PM _{2.5}		lbs/hour	lbs/hour	tons/year	tons/year
9.4.	Sulfur Oxides (SO _x)		lbs/hour	lbs/hour	tons/year	tons/year
9.5.	Nitrogen Oxides (NO _x)		lbs/hour	lbs/hour	tons/year	tons/year
9.6.	Carbon Monoxide (CO)		lbs/hour	lbs/hour	tons/year	tons/year
9.7.	Lead		lbs/hour	lbs/hour	tons/year	tons/year
9.8.	Total Volatile Organic Compounds (VOCs)		lbs/hour	lbs/hour	tons/year	tons/year
9.9.	Total Hazardous Air Pollutants (HAPs)		lbs/hour	lbs/hour	tons/year	tons/year
9.10.			lbs/hour	lbs/hour	tons/year	tons/year
9.11.			lbs/hour	lbs/hour	tons/year	tons/year
9.12.			lbs/hour	lbs/hour	tons/year	tons/year
9.13.			lbs/hour	lbs/hour	tons/year	tons/year
9.14.			lbs/hour	lbs/hour	tons/year	tons/year
9.15.			lbs/hour	lbs/hour	tons/year	tons/year
9.16.			lbs/hour	lbs/hour	tons/year	tons/year
9.17.			lbs/hour	lbs/hour	tons/year	tons/year
9.18.			lbs/hour	lbs/hour	tons/year	tons/year
10. Provide Any Additional Information Necessary to Understanding the Emission Rates Provided Above:						
Attach the Basis of Determination or Calculations for each Emission Rate provided above.						



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<u>Emissions Information for Third Emission Point/Stack</u>						
11. Emission Point Name:						
12. Equipment ID Number for all Process Equipment and Control Devices Venting Through Emission Point/Stack:						
13. Pollutant Emissions						
If more than 18 pollutants are emitted at this Emission Point/Stack, attach additional copies of this page as needed.						
	<u>Pollutant Name</u> (Specify VOCs and HAPs Individually in 13.10 through 13.18)	<u>CAS Number</u> (Not required for 13.1 through 13.9)	<u>Maximum Uncontrolled Emission Rate at Design Capacity</u>	<u>Maximum Controlled Emission Rate at Design Capacity</u>	<u>Annual Potential to Emit (PTE)</u>	<u>Expected Annual Emissions</u>
13.1.	Particulate Matter (PM)		lbs/hour	lbs/hour	tons/year	tons/year
13.2.	PM ₁₀		lbs/hour	lbs/hour	tons/year	tons/year
13.3.	PM _{2.5}		lbs/hour	lbs/hour	tons/year	tons/year
13.4.	Sulfur Oxides (SO _x)		lbs/hour	lbs/hour	tons/year	tons/year
13.5.	Nitrogen Oxides (NO _x)		lbs/hour	lbs/hour	tons/year	tons/year
13.6.	Carbon Monoxide (CO)		lbs/hour	lbs/hour	tons/year	tons/year
13.7.	Lead		lbs/hour	lbs/hour	tons/year	tons/year
13.8.	Total Volatile Organic Compounds (VOCs)		lbs/hour	lbs/hour	tons/year	tons/year
13.9.	Total Hazardous Air Pollutants (HAPs)		lbs/hour	lbs/hour	tons/year	tons/year
13.10.			lbs/hour	lbs/hour	tons/year	tons/year
13.11.			lbs/hour	lbs/hour	tons/year	tons/year
13.12.			lbs/hour	lbs/hour	tons/year	tons/year
13.13.			lbs/hour	lbs/hour	tons/year	tons/year
13.14.			lbs/hour	lbs/hour	tons/year	tons/year



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Emissions Information for Third Emission Point/Stack					
13.15.		lbs/hour	lbs/hour	tons/year	tons/year
13.16.		lbs/hour	lbs/hour	tons/year	tons/year
13.17		lbs/hour	lbs/hour	tons/year	tons/year
13.18.		lbs/hour	lbs/hour	tons/year	tons/year
14. Provide Any Additional Information Necessary to Understanding the Emission Rates Provided Above:					
Attach the Basis of Determination or Calculations for each Emission Rate provided above.					

Emissions Information for Fourth Emission Point/Stack						
15. Emission Point Name:						
16. Equipment ID Number for all Process Equipment and Control Devices Venting Through Emission Point/Stack:						
17. Pollutant Emissions						
If more than 18 pollutants are emitted at this Emission Point/Stack, attach additional copies of this page as needed.						
	<u>Pollutant Name</u> (Specify VOCs and HAPs Individually in 17.10 through 17.18)	<u>CAS Number</u> (Not required for 17.1 through 17.9)	<u>Maximum Uncontrolled Emission Rate at Design Capacity</u>	<u>Maximum Controlled Emission Rate at Design Capacity</u>	<u>Annual Potential to Emit (PTE)</u>	<u>Expected Annual Emissions</u>
17.1.	Particulate Matter (PM)		lbs/hour	lbs/hour	tons/year	tons/year
17.2.	PM ₁₀		lbs/hour	lbs/hour	tons/year	tons/year
17.3.	PM _{2.5}		lbs/hour	lbs/hour	tons/year	tons/year
17.4.	Sulfur Oxides (SO _x)		lbs/hour	lbs/hour	tons/year	tons/year
17.5.	Nitrogen Oxides (NO _x)		lbs/hour	lbs/hour	tons/year	tons/year
17.6.	Carbon Monoxide (CO)		lbs/hour	lbs/hour	tons/year	tons/year



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<u>Emissions Information for Fourth Emission Point/Stack</u>						
17.7.	Volatile Organic Compounds (VOCs)		lbs/hour	lbs/hour	tons/year	tons/year
17.8.	Lead		lbs/hour	lbs/hour	tons/year	tons/year
17.9.			lbs/hour	lbs/hour	tons/year	tons/year
17.10.			lbs/hour	lbs/hour	tons/year	tons/year
17.11.			lbs/hour	lbs/hour	tons/year	tons/year
17.12.			lbs/hour	lbs/hour	tons/year	tons/year
17.13.			lbs/hour	lbs/hour	tons/year	tons/year
17.14.			lbs/hour	lbs/hour	tons/year	tons/year
17.15.			lbs/hour	lbs/hour	tons/year	tons/year
17.16.			lbs/hour	lbs/hour	tons/year	tons/year
17.17.			lbs/hour	lbs/hour	tons/year	tons/year
17.18.			lbs/hour	lbs/hour	tons/year	tons/year
18. Provide Any Additional Information Necessary to Understanding the Emission Rates Provided Above:						
Attach the Basis of Determination or Calculations for each Emission Rate provided above.						
If there are more than four Emission Points/Stacks, attach additional copies of this form as needed.						

<u>Overall Process Emissions</u>					
19. Pollutant Emissions					
If more than 18 pollutants are emitted from this Process, attach additional copies of this page as needed.					
<u>Pollutant Name</u> (Specify VOCs and HAPs Individually in 19.10 through 19.18)	<u>CAS Number</u> (Not required for 19.1 through 19.9)	<u>Maximum Uncontrolled Emission Rate at Design Capacity</u>	<u>Maximum Controlled Emission Rate at Design Capacity</u>	<u>Annual Potential to Emit (PTE)</u>	<u>Expected Annual Emissions</u>



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Overall Process Emissions						
19.1.	Particulate Matter (PM)		lbs/hour	lbs/hour	tons/year	tons/year
19.2.	PM ₁₀		lbs/hour	lbs/hour	tons/year	tons/year
19.3.	PM _{2.5}		lbs/hour	lbs/hour	tons/year	tons/year
19.4.	Sulfur Oxides (SO _x)		lbs/hour	lbs/hour	tons/year	tons/year
19.5.	Nitrogen Oxides (NO _x)		lbs/hour	lbs/hour	tons/year	tons/year
19.6.	Carbon Monoxide (CO)		lbs/hour	lbs/hour	tons/year	tons/year
19.7.	Lead		lbs/hour	lbs/hour	tons/year	tons/year
19.8.	Total Volatile Organic Compounds (VOCs)		lbs/hour	lbs/hour	tons/year	tons/year
19.9.	Total Hazardous Air Pollutants (HAPs)		lbs/hour	lbs/hour	tons/year	tons/year
19.10.			lbs/hour	lbs/hour	tons/year	tons/year
19.11.			lbs/hour	lbs/hour	tons/year	tons/year
19.12.			lbs/hour	lbs/hour	tons/year	tons/year
19.13.			lbs/hour	lbs/hour	tons/year	tons/year
19.14.			lbs/hour	lbs/hour	tons/year	tons/year
19.15.			lbs/hour	lbs/hour	tons/year	tons/year
19.16.			lbs/hour	lbs/hour	tons/year	tons/year
19.17.			lbs/hour	lbs/hour	tons/year	tons/year
19.18.			lbs/hour	lbs/hour	tons/year	tons/year
20.	Provide Any Additional Information Necessary to Understanding the Emission Rates Provided Above:					
Attach the Basis of Determination or Calculations for each Emission Rate provided above.						



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Minor New Source Review Information

21. Does the Process Have the Potential to Emit More Than Five Tons Per Year of Any Pollutant? YES NO

22. Is the Source New or Existing? NEW EXISTING
See Question 11 of AQM-1

If the Process has the Potential to Emit more than five tons per year of any pollutant, and is a New Source, a Control Technology Analysis pursuant to Regulation No. 1125 Section 4 must be conducted and attached to this application.

Additional Information

23. Is There Any Additional Information Pertinent to this Application? YES NO

If YES, complete the rest of Question 23.

23.1. Describe: **Emissions calculations include in Appendix B of application report.**