

Table 2-1 Emissions Summary

Test Performed For:	Heartland Tech. Partners, LLC Monticello, Indiana	Testing Performed By: Birmingham Division
Source(s) Tested:	Flare Stack	Project Manager:
Test Condition:	Engineering	Mr. Tommy Lotz, Jr.
Test(s) Performed:	Traverse and Moisture	

Run Number	Run 1	Run 2	Average
Date of Run	9/9/09	9/9/09	-
Emission Test Run Time Began - Ended	1308-1356	1419-1506	-
Oxygen Concentration, %	8.8	8.9	8.8
Carbon Dioxide Concentration, %	11.1	10.9	11.0
Sulfur Dioxide Concentration, ppm	10.0	15.6	12.8
Nitrogen Oxides Concentration, ppm	23.4	23.2	23.3
Carbon Monoxide Concentration, ppm	0.9	0.7	0.8
VOC Concentration, ppm as propane	0.6	1.0	0.8
Stack Temperature, °F	1774	1774	1774
Moisture Content, % volume	15.38	15.38	15.38
Stack Gas Velocity, F/S	26.31	26.32	26.31
Stack Gas Flow, SCFM	2,263	2,264	2,264
Stack Gas Flow, ACFM	9,662	9,666	9,664
Volumetric Flow Rate, DSCFM	1,915	1,916	1,916
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Sulfur Dioxide Emissions	lbs/mmBTU (Heat Input)	0.024	0.038
Sulfur Dioxide Emissions	Lbs/Hr	0.19	0.30
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Oxides of Nitrogen Emissions	ppm @ 3.0% O2	34.5	34.5
Oxides of Nitrogen Emissions	lbs/mmBTU (Heat Input)	0.041	0.041
Oxides of Nitrogen Emissions	Lbs/Hr	0.32	0.21
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Carbon Monoxide Emissions	lbs/mmBTU (Heat Input)	0.0010	0.0007
Carbon Monoxide Emissions	Lbs/Hr	0.01	0.01
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VOC Emissions, as propane	lbs/mmBTU (Heat Input)	0.0012	0.0014
VOC Emissions, as propane	Lbs/Hr	0.01	0.01