

1.0 EXECUTIVE SUMMARY

MOSTARDI PLATT conducted a compliance emissions test program for New Covert Generating Company, LLC at the New Covert Generating Facility in Covert, Michigan, on the EUTURBINE1/DB1 and EUTURBINE3/DB3 Stacks on September 14 and 15, 2021. This report summarizes the results of the test program and test methods used. The test locations, test dates, and test parameters are summarized below.

TEST INFORMATION		
Test Locations	Test Dates	Test Parameters
EUTURBINE1/DB1 Stack	September 14, 2021	Non Methane Non Ethane Volatile Organic Compounds (NMNE VOC), Methane (CH ₄), Ethane (C ₂ H ₆), and Volumetric Flow
EUTURBINE3/DB3 Stack	September 15, 2021	

New Covert owns and operates the New Covert Generating Facility located at 26000 77th Street in Covert, Michigan. The facility consists of two natural gas-fired Mitsubishi 501G turbines with heat recovery steam generators (HRSGs), designated as EU-TURBINE1 and EU-TURBINE3. Each HRSG contains a duct burner designated as EU-DB1 and EU-DB3, respectively, to provide additional steam generating capability and increase the maximum power generating capability of the HRSG. Each duct burner is rated at approximately 256 million British thermal units per hour (MMBtu/hr). Each turbine and duct burner set are equipped with a dry low-NO_x combustor, and each HRSG is equipped with a selective catalytic reduction (SCR) system and an oxidation catalyst to control NO_x and CO emissions.

The stacks are circular and measure 22.1 feet (ft) (265 inches) in diameter at the test ports which are approximately 140 ft above grade level with an exit elevation of approximately 160 ft above grade level. The test ports are located approximately 85 ft (1020 inches) downstream and approximately 20 ft (240 inches) upstream from the nearest disturbances.

A single, dedicated CEMS is installed at each unit. The CEMS configuration includes a NO_x analyzer, a CO analyzer, a diluent gas O₂ monitor for measurements at the outlet stack, and a data acquisition and handling system (DAHS).

The purpose of the test program was to demonstrate total non-methane, non-ethane hydrocarbon emissions on each source. Selected results of the test program are summarized below. A complete summary of emission test results follows the narrative portion of this report.

TEST RESULTS				
Test Location	Test Parameter	Test Condition	Emission Limit	Emission Rate
EUTURBINE1/DB1 Stack	NMNE VOC	Full Load Duct Burners On	1.0 ppmv dry as CH ₄ @ 15% O ₂	0.5 ppmv dry as CH ₄ @ 15% O ₂
EUTURBINE3/DB3 Stack				0.3 ppmv dry as CH ₄ @ 15% O ₂

The identification of individuals associated with the test program is summarized below.

TEST PERSONNEL INFORMATION		
Location	Address	Contact
Test Facility	New Covert Generating Company, LLC New Covert Generating Facility 26000 77 th Street Covert, Michigan 49043	Mr. Chris Head Operations Manager (269) 764-3805 (phone) CHead@camsops.com
Testing Company Supervisor	Mostardi Platt 888 Industrial Drive Elmhurst, Illinois 60126	Mr. John S. Nestor Project Manager 630-993-2100 (phone) jnestor@mp-mail.com

The test program was conducted by Messrs. J. Meyerhoff and J. Nestor of Mostardi Platt.

2.0 TEST METHODOLOGY

Emission testing was conducted following the methods specified in 40 CFR, Part 60, Appendix A, and 40 CFR, Part 63, Appendix A. Schematics of the test section diagrams and sampling trains used are included in Appendix A and B, respectively. Calculation examples and nomenclature are included in Appendix C. Copies of analyzer print-outs and field data sheets for each test run are included in Appendix D and E, respectively.

The following methodologies were used during the test program:

Method 3A Oxygen (O₂) Determination

Flue gas O₂ was determined in accordance with Method 3A. A Servomex analyzer was used to determine stack gas oxygen content and was connected to the outlet of the FTIR analyzer.

Stack gas was delivered to the analyzer via a Teflon® sampling line, heated to a minimum temperature of 375°F. The entire system was calibrated in accordance with the Method, using certified calibration gases introduced at the probe, before and after each test run.

All of the equipment used was calibrated in accordance with the specifications of the Method and calibration data are included in Appendix F. Copies of the gas cylinder certifications are included in Appendix I.

Method 25A Volatile Organic Compound (VOC) Determination

VOC concentrations and emission rates were determined in accordance with Method 25A. A Thermo 51i flame ionization detector (FID) analyzer was used to determine total hydrocarbon (THC) concentrations, while Method 320 was performed simultaneously to subtract CH₄ and C₂H₆ concentrations to determine VOC. Stack gas was delivered to the system via a Teflon® sampling line, heated to a minimum temperature of 300°F. Sample was delivered first to the Method 320 FTIR analyzer, with the Method 25A FID analyzer connected to the exhaust of the FTIR analyzer.

The system was calibrated before and after each test run using certified calibration gases of methane for the THC determination. Methane and ethane concentrations were then subtracted based upon the simultaneous data collected and recorded by the FTIR analyzer. A list of calibration gases used and the results of all calibration and other required quality assurance

checks can be found in Appendix F. Copies of calibration gas certifications can be found in Appendix G.

Method 320 Fourier Transform Infrared (FTIR) Detector Multi-Gas Determination of Methane (CH₄), Ethane (C₂H₆) and Moisture (H₂O)

The Method 320 sampling and measurement system meets the requirements of US EPA Reference Method 320, "Vapor Phase Organic and Inorganic Emissions by Extractive FTIR," 40CFR63, Appendix A. This method applies to the measurement of methane, ethane, and moisture concentrations. USEPA Method 4, 40CFR60, specifies method 320 as an acceptable alternative for moisture determination.

With this method, gas samples are extracted from the sample locations through heated Teflon sample lines to the analyzers. FTIR technology works on the principle that most gases absorb infrared light. This is true for all compounds with the exception of homonuclear diatomic molecules and noble gases such as: N₂, O₂, H₂, He, Ne, and Ar. Vibrations, stretches, bends, and rotations within the bonds of a molecule determine the infrared absorption distinctiveness. The absorption creates a "fingerprint" which is unique to each given compound. The quantity of infrared light absorbed is proportional to the gas concentration. Most compounds have absorbencies at different infrared frequencies, thus allowing the simultaneous analysis of multiple compounds at one time. The FTIR software compares each sample spectrum to a user selected list of calibration references and concentration data is generated.

FTIR data was collected using an MKS MultiGas 2030 FTIR spectrometer. Spiking was performed following each test run to verify the ability of the sampling system to quantitatively deliver a sample containing volatile organic compounds from the base of the probe to the FTIR. Analyte spiking assures the ability of the FTIR to quantify analytes of interest in the presence of effluent gas. All analyte spikes were introduced using an instrument grade stainless steel rotameter. All QA/QC procedures were within the acceptance criteria allowance of Method 320. All of the equipment used was calibrated in accordance with the specifications of the Method. Calibration data are presented in Appendix F.

Methane and ethane concentrations were subtracted from the total hydrocarbon emissions to determine non-methane non-ethane volatile organic emissions from each unit. Moisture numbers were used to calculate emissions on a dry basis.

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3.0 TEST RESULT SUMMARIES

AIR QUALITY DIVISION

New Covert Generating Company, LLC New Covert Generating Facility EUTURBINE1/DB1 Stack VOC Summary - Full Load With Duct Burners												
Test No.	Date	Start Time	End Time	H ₂ O (%w)	O ₂ (%w dry)	THC ppm as CH ₄ (wet)	CH ₄ ppm as CH ₄ (wet)	C ₂ H ₆ ppm as CH ₄ (wet)	VOC ppm as CH ₄ (wet)	VOC ppm as CH ₄ (dry)	VOC lb/mmBtu as CH ₄	VOC ppmv dry as CH ₄ @ 15% O ₂
1	09/14/21	10:00	11:22	10.5	12.4	0.6	0.1	0.2	0.6	0.7	0.0006	0.5
2	09/14/21	12:00	13:27	10.6	12.4	0.8	0.2	0.4	0.8	0.9	0.0008	0.6
3	09/14/21	14:05	15:27	10.6	12.4	0.7	0.1	0.4	0.7	0.8	0.0007	0.5
Average				10.6	12.4	0.7	0.1	0.3	0.7	0.8	0.0007	0.5

*Methane and Ethane values were below detection and were not used to calculate Non-methane non ethane VOC numbers

New Covert Generating Company, LLC New Covert Generating Facility EUTURBINE3/DB3 Stack VOC Summary - Full Load With Duct Burners												
Test No.	Date	Start Time	End Time	H ₂ O (%w)	O ₂ (%w dry)	THC ppm as CH ₄ (wet)	CH ₄ ppm as CH ₄ (wet)	C ₂ H ₆ ppm as CH ₄ (wet)	VOC ppm as CH ₄ (wet)	VOC ppm as CH ₄ (dry)	VOC lb/mmBtu as CH ₄	VOC ppmv dry as CH ₄ @ 15% O ₂
1	09/15/21	9:46	11:07	9.8	12.6	0.3	0.1	0.2	0.3	0.3	0.0003	0.2
2	09/15/21	11:45	13:12	9.8	12.6	0.4	0.0	0.4	0.4	0.4	0.0004	0.3
3	09/15/21	14:00	15:22	9.7	12.6	0.4	-0.1	0.4	0.4	0.4	0.0004	0.3
Average				9.8	12.6	0.4	0.0	0.3	0.4	0.4	0.0004	0.3

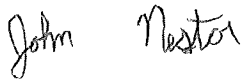
*Methane and Ethane values were below detection and were not used to calculate Non-methane non ethane VOC numbers

4.0 CERTIFICATION

MOSTARDI PLATT is pleased to have been of service to New Covert Generating Company, LLC. If you have any questions regarding this test report, please do not hesitate to contact us at 630-993-2100.

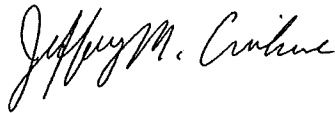
As project manager, I hereby certify that this test report represents a true and accurate summary of emissions test results and the methodologies employed to obtain those results, and the test program was performed in accordance with the methods specified in this test report.

MOSTARDI PLATT



John S. Nestor

Program Manager



Jeffrey M. Crivlare

Quality Assurance

APPENDICES

Appendix A - Plant Operating Data

New Covert Generating Unit 1 RATA 9/14/2021

Run 1

	HHV Gas	75-NOx	ppm @15% O2	75-NOx	CO	CO	CO		Fuel	Heat		Steam
	Btu/scf	ppm		lb/mmBt	ppm	lb/mmBt	lb/hr	75-O2%	Flow	Input	CT	Turbine
Minute	1-Min	1-Min	1-Min	u 1-Min	1-Min	u 1-Min	1-Min	1-Min	klb/hr	Total	Megawa tts 1-Min	Megawa tts 1-Min
10:03	1071.9	2.78	1.90	0.0070	0.00	0.0000	0.00	12.27	112.11	2676.6	231.1	145.6
10:04	1071.9	2.75	1.88	0.0069	0.00	0.0000	0.00	12.26	112.41	2683.8	231.1	145.6
10:05	1071.9	2.75	1.88	0.0069	0.00	0.0000	0.00	12.26	112.10	2676.6	230.5	145.6
10:06	1071.9	2.78	1.90	0.0070	0.00	0.0000	0.00	12.28	112.00	2674.2	230.5	145.5
10:07	1071.9	2.78	1.90	0.0070	0.00	0.0000	0.00	12.29	112.21	2679.0	230.8	145.4
10:08	1071.9	2.79	1.91	0.0070	0.00	0.0000	0.00	12.27	112.11	2676.6	230.9	145.4
10:09	1071.9	2.82	1.92	0.0071	0.00	0.0000	0.00	12.25	112.21	2679.0	230.8	145.4
10:10	1071.9	2.83	1.93	0.0071	0.00	0.0000	0.00	12.26	112.11	2676.6	230.9	145.4
10:11	1071.9	2.82	1.93	0.0071	0.00	0.0000	0.00	12.28	112.51	2686.1	230.8	145.4
10:12	1071.9	2.79	1.91	0.0070	0.00	0.0000	0.00	12.28	112.41	2683.8	231.3	145.4
10:13	1071.9	2.77	1.90	0.0070	0.00	0.0000	0.00	12.28	112.41	2683.8	231.1	145.4
10:14	1071.9	2.78	1.90	0.0070	0.00	0.0000	0.00	12.28	112.51	2686.1	231.0	145.5
10:15	1071.9	2.81	1.92	0.0071	0.00	0.0000	0.00	12.28	112.40	2683.8	231.1	145.5
10:16	1071.9	2.80	1.92	0.0071	0.00	0.0000	0.00	12.28	112.31	2681.4	231.1	145.5
10:17	1071.9	2.79	1.91	0.0070	0.00	0.0000	0.00	12.29	112.11	2676.6	230.9	145.5
10:18	1071.9	2.77	1.90	0.0070	0.00	0.0000	0.00	12.29	112.42	2683.8	231.5	145.6
10:19	1071.9	2.76	1.88	0.0069	0.00	0.0000	0.00	12.25	112.41	2683.8	231.0	145.4
10:20	1071.8	2.80	1.92	0.0071	0.00	0.0000	0.00	12.28	112.21	2678.8	231.1	145.5
Average	1071.9	2.79	1.91	0.0070	0.00	0.0000	0.00	12.27	112.28	2680.6	231.0	145.5

Run 2

	HHV Gas	75-NOx	ppm @15% O2	75-NOx	CO	CO	CO		Fuel	Heat		Steam
	Btu/scf	ppm		lb/mmBt	ppm	lb/mmBt	lb/hr	75-O2%	Flow	Input	CT	Turbine
Minute	1-Min	1-Min	1-Min	u 1-Min	1-Min	u 1-Min	1-Min	1-Min	klb/hr	Total	Megawa tts 1-Min	Megawa tts 1-Min
10:30	1071.7	2.81	1.92	0.0071	0.00	0.0000	0.00	12.26	112.51	2685.7	231.2	145.2
10:31	1071.7	2.80	1.92	0.0071	0.00	0.0000	0.00	12.28	112.11	2676.1	230.4	145.3
10:32	1071.7	2.79	1.91	0.0070	0.00	0.0000	0.00	12.27	112.51	2685.7	231.1	145.3
10:33	1071.6	2.77	1.89	0.0070	0.00	0.0000	0.00	12.25	112.00	2672.5	230.2	145.3
10:34	1071.6	2.73	1.86	0.0069	0.00	0.0000	0.00	12.26	112.31	2680.7	230.9	145.2
10:35	1071.6	2.77	1.89	0.0070	0.00	0.0000	0.00	12.26	112.01	2673.5	230.5	145.2
10:36	1071.6	2.81	1.92	0.0071	0.00	0.0000	0.00	12.28	112.31	2680.7	230.6	145.2
10:37	1071.6	2.83	1.93	0.0071	0.00	0.0000	0.00	12.25	112.30	2679.7	231.1	145.3
10:38	1071.7	2.83	1.93	0.0071	0.00	0.0000	0.00	12.27	112.30	2679.9	230.7	145.2
10:39	1071.7	2.79	1.90	0.0070	0.00	0.0000	0.00	12.24	112.40	2682.3	231.2	145.1
10:40	1071.7	2.77	1.89	0.0070	0.00	0.0000	0.00	12.26	112.21	2678.6	230.7	145.2
10:41	1071.7	2.77	1.89	0.0070	0.00	0.0000	0.00	12.27	112.21	2678.6	230.9	145.2
10:42	1071.7	2.78	1.90	0.0070	0.00	0.0000	0.00	12.26	112.41	2683.3	230.9	145.2
10:43	1071.7	2.80	1.91	0.0070	0.00	0.0000	0.00	12.25	112.11	2676.1	230.9	145.3
10:44	1071.7	2.82	1.92	0.0071	0.00	0.0000	0.00	12.25	112.11	2676.1	230.6	145.3
10:45	1071.6	2.81	1.92	0.0071	0.00	0.0000	0.00	12.26	112.11	2675.9	230.6	145.3
10:46	1071.6	2.76	1.88	0.0069	0.00	0.0000	0.00	12.26	112.21	2678.4	230.7	145.4
10:47	1071.6	2.73	1.87	0.0069	0.00	0.0000	0.00	12.27	112.21	2678.4	230.4	145.3
10:48	1071.6	2.75	1.88	0.0069	0.00	0.0000	0.00	12.27	112.32	2680.7	231.0	145.3
10:49	1071.6	2.79	1.90	0.0070	0.00	0.0000	0.00	12.25	112.31	2680.7	230.5	145.4
10:50	1071.7	2.84	1.94	0.0072	0.00	0.0000	0.00	12.27	112.11	2676.1	230.5	145.3
Average	1071.7	2.79	1.90	0.0070	0.00	0.0000	0.00	12.26	112.24	2679.0	230.7	145.3

Run 3

Minute	HHV	75-NOx	ppm	75-NOx	CO	CO	CO	75-O2%	Fuel	Heat	CT	Steam
	Gas	ppm	@15%	lb/mmBt	ppm	lb/mmBt	lb/hr		Flow	Input	Megawa	Turbine
	Btu/scf 1-Min	1-Min	O2 1-Min	u 1-Min	1-Min	u 1-Min	1-Min		klb/hr 1-Min	Total 1-Min	tts 1-Min	Megawa tts 1-Min
11:05	1071.8	2.79	1.91	0.0070	0.00	0.0000	0.00	12.26	112.32	2681.2	230.8	145.3
11:06	1071.8	2.74	1.87	0.0069	0.00	0.0000	0.00	12.25	111.91	2671.6	230.4	145.4
11:07	1071.8	2.73	1.86	0.0069	0.00	0.0000	0.00	12.26	112.21	2678.8	230.5	145.3
11:08	1071.8	2.76	1.89	0.0070	0.00	0.0000	0.00	12.27	112.21	2678.8	230.7	145.3
11:09	1071.8	2.79	1.91	0.0070	0.00	0.0000	0.00	12.26	112.21	2678.8	230.8	145.2
11:10	1071.8	2.83	1.93	0.0071	0.00	0.0000	0.00	12.27	112.11	2676.3	230.5	145.2
11:11	1071.8	2.83	1.93	0.0071	0.00	0.0000	0.00	12.26	111.90	2671.6	230.7	145.1
11:12	1071.8	2.80	1.91	0.0070	0.00	0.0000	0.00	12.26	112.21	2678.8	230.7	145.2
11:13	1071.8	2.75	1.88	0.0069	0.00	0.0000	0.00	12.26	112.31	2681.2	231.0	145.2
11:14	1071.8	2.74	1.87	0.0069	0.00	0.0000	0.00	12.25	112.11	2676.3	230.7	145.2
11:15	1071.8	2.77	1.89	0.0070	0.00	0.0000	0.00	12.26	112.10	2676.3	231.0	145.2
11:16	1071.8	2.80	1.91	0.0071	0.00	0.0000	0.00	12.27	112.30	2681.2	231.0	145.3
11:17	1071.8	2.81	1.92	0.0071	0.00	0.0000	0.00	12.27	112.50	2685.9	231.3	145.2
11:18	1071.8	2.82	1.93	0.0071	0.00	0.0000	0.00	12.26	112.40	2683.5	231.1	145.2
11:19	1071.8	2.82	1.93	0.0071	0.00	0.0000	0.00	12.27	112.21	2678.8	230.6	145.2
11:20	1072.0	2.78	1.90	0.0070	0.00	0.0000	0.00	12.28	112.51	2686.3	231.1	145.2
11:21	1072.0	2.74	1.87	0.0069	0.00	0.0000	0.00	12.27	112.11	2676.8	230.6	145.2
11:22	1072.0	2.72	1.86	0.0069	0.00	0.0000	0.00	12.28	112.41	2684.0	230.9	145.3
11:23	1072.0	2.76	1.88	0.0069	0.00	0.0000	0.00	12.26	111.91	2672.1	230.2	145.3
11:24	1072.0	2.79	1.91	0.0070	0.00	0.0000	0.00	12.29	112.11	2676.8	230.6	145.3
11:25	1072.0	2.79	1.91	0.0070	0.00	0.0000	0.00	12.27	112.00	2674.4	230.3	145.2
Average	1071.9	2.78	1.90	0.0070	0.00	0.0000	0.00	12.27	112.19	2678.5	230.7	145.2

Run 4

Minute	HHV	75-NOx	ppm	75-NOx	CO	CO	CO	75-O2%	Fuel	Heat	CT	Steam
	Gas	ppm	@15%	lb/mmBt	ppm	lb/mmBt	lb/hr		Flow	Input	Megawa	Turbine
	Btu/scf 1-Min	1-Min	O2 1-Min	u 1-Min	1-Min	u 1-Min	1-Min		klb/hr 1-Min	Total 1-Min	tts 1-Min	Megawa tts 1-Min
12:00	1072.2	2.75	1.88	0.0069	0.00	0.0000	0.00	12.27	112.02	2674.9	230.2	144.9
12:01	1072.2	2.74	1.88	0.0069	0.00	0.0000	0.00	12.28	111.81	2670.1	230.1	144.9
12:02	1072.2	2.78	1.90	0.0070	0.00	0.0000	0.00	12.27	111.91	2672.5	230.0	144.9
12:03	1072.2	2.80	1.91	0.0070	0.00	0.0000	0.00	12.26	111.91	2672.5	230.2	144.8
12:04	1072.2	2.81	1.92	0.0071	0.00	0.0000	0.00	12.26	112.11	2677.3	230.2	144.9
12:05	1072.2	2.81	1.92	0.0071	0.00	0.0000	0.00	12.27	112.01	2674.9	229.9	144.9
12:06	1072.2	2.80	1.91	0.0070	0.00	0.0000	0.00	12.26	112.01	2674.9	230.0	144.8
12:07	1072.2	2.77	1.89	0.0070	0.00	0.0000	0.00	12.26	112.02	2674.9	230.0	144.8
12:08	1072.2	2.75	1.88	0.0069	0.00	0.0000	0.00	12.26	111.72	2667.7	229.8	144.8
12:09	1072.2	2.74	1.87	0.0069	0.00	0.0000	0.00	12.26	111.82	2670.1	230.2	144.8
12:10	1072.2	2.77	1.89	0.0070	0.00	0.0000	0.00	12.25	111.62	2665.4	229.9	144.8
12:11	1072.2	2.81	1.92	0.0071	0.00	0.0000	0.00	12.25	111.91	2672.5	229.6	144.8
12:12	1072.2	2.84	1.94	0.0071	0.00	0.0000	0.00	12.26	111.72	2667.7	229.2	144.7
12:13	1072.2	2.81	1.92	0.0071	0.00	0.0000	0.00	12.28	112.02	2674.9	229.7	144.7
12:14	1072.2	2.75	1.87	0.0069	0.00	0.0000	0.00	12.24	111.81	2670.1	229.6	144.7
12:15	1072.2	2.74	1.87	0.0069	0.00	0.0000	0.00	12.27	111.81	2670.1	229.6	144.8
12:16	1072.2	2.76	1.89	0.0070	0.00	0.0000	0.00	12.27	112.01	2674.9	230.0	144.9
12:17	1072.2	2.79	1.91	0.0070	0.00	0.0000	0.00	12.26	112.02	2674.9	229.9	144.8
12:18	1072.2	2.83	1.93	0.0071	0.00	0.0000	0.00	12.25	111.82	2670.1	229.9	144.8
12:19	1072.2	2.84	1.94	0.0071	0.00	0.0000	0.00	12.25	111.82	2670.1	229.7	144.8
12:20	1072.2	2.80	1.91	0.0070	0.00	0.0000	0.00	12.26	111.72	2667.7	229.2	144.7
Average	1072.2	2.79	1.90	0.0070	0.00	0.0000	0.00	12.26	111.89	2671.8	229.9	144.8

Run 5

	HHV		ppm						Fuel	Heat		Steam
	Gas	75-NOx	@15%	75-NOx	CO	CO	CO		Flow	Input	CT	Turbine
Minute	Btu/scf	ppm	O2	lb/mmBtu	ppm	lb/mmBtu	lb/hr	75-O2%	klb/hr	Total	Megawa	Megawa
	1-Min	1-Min	1-Min	u 1-Min	1-Min	u 1-Min	1-Min	1-Min	1-Min	1-Min	tts 1-Min	tts 1-Min
12:35	1072.5	2.77	1.89	0.0070	0.00	0.0000	0.00	12.25	111.72	2668.4	229.5	144.4
12:36	1072.5	2.77	1.89	0.0070	0.00	0.0000	0.00	12.25	111.72	2668.4	229.5	144.4
12:37	1072.5	2.78	1.90	0.0070	0.00	0.0000	0.00	12.26	111.84	2671.8	229.6	144.4
12:38	1072.5	2.80	1.91	0.0070	0.00	0.0000	0.00	12.25	111.63	2666.0	229.5	144.5
12:39	1072.6	2.82	1.93	0.0071	0.00	0.0000	0.00	12.26	111.82	2671.0	229.6	144.5
12:40	1072.6	2.83	1.93	0.0071	0.00	0.0000	0.00	12.27	111.84	2672.0	229.9	144.5
12:41	1072.6	2.82	1.93	0.0071	0.00	0.0000	0.00	12.27	111.83	2671.0	229.8	144.5
12:42	1072.6	2.80	1.91	0.0070	0.00	0.0000	0.00	12.25	111.73	2668.6	229.6	144.5
12:43	1072.6	2.75	1.88	0.0069	0.00	0.0000	0.00	12.25	111.84	2672.0	229.7	144.5
12:44	1072.6	2.72	1.86	0.0068	0.00	0.0000	0.00	12.25	111.93	2673.5	229.8	144.5
12:45	1072.6	2.74	1.87	0.0069	0.00	0.0000	0.00	12.25	111.92	2673.5	230.0	144.5
12:46	1072.6	2.80	1.91	0.0070	0.00	0.0000	0.00	12.26	111.62	2666.3	229.4	144.5
12:47	1072.6	2.84	1.94	0.0071	0.00	0.0000	0.00	12.26	111.83	2671.0	229.8	144.5
12:48	1072.6	2.81	1.92	0.0071	0.00	0.0000	0.00	12.25	111.84	2672.0	230.0	144.5
12:49	1072.6	2.78	1.89	0.0070	0.00	0.0000	0.00	12.24	111.75	2669.6	229.5	144.6
12:50	1072.7	2.77	1.89	0.0070	0.00	0.0000	0.00	12.25	111.83	2671.2	229.6	144.7
12:51	1072.7	2.75	1.87	0.0069	0.00	0.0000	0.00	12.24	111.56	2665.1	229.2	144.7
12:52	1072.7	2.75	1.88	0.0069	0.00	0.0000	0.00	12.26	111.84	2672.2	229.5	144.6
12:53	1072.7	2.77	1.89	0.0070	0.00	0.0000	0.00	12.25	111.75	2669.9	229.6	144.6
12:54	1072.7	2.79	1.90	0.0070	0.00	0.0000	0.00	12.25	111.54	2665.1	229.4	144.5
12:55	1072.7	2.81	1.92	0.0071	0.00	0.0000	0.00	12.26	111.84	2672.2	229.8	144.5
Average	1072.6	2.78	1.90	0.0070	0.00	0.0000	0.00	12.25	111.77	2670.0	229.6	144.5

Run 6

	HHV		ppm						Fuel	Heat		Steam
	Gas	75-NOx	@15%	75-NOx	CO	CO	CO		Flow	Input	CT	Turbine
Minute	Btu/scf	ppm	O2	lb/mmBtu	ppm	lb/mmBtu	lb/hr	75-O2%	klb/hr	Total	Megawa	Megawa
	1-Min	1-Min	1-Min	u 1-Min	1-Min	u 1-Min	1-Min	1-Min	1-Min	1-Min	tts 1-Min	tts 1-Min
13:10	1072.7	2.86	1.95	0.0072	0.00	0.0000	0.00	12.26	111.83	2671.2	229.6	144.5
13:11	1072.7	2.89	1.97	0.0072	0.00	0.0000	0.00	12.23	111.84	2672.2	229.8	144.5
13:12	1072.7	2.87	1.96	0.0072	0.00	0.0000	0.00	12.24	111.74	2669.9	229.6	144.5
13:13	1072.7	2.81	1.91	0.0071	0.00	0.0000	0.00	12.24	111.83	2671.2	229.6	144.4
13:14	1072.7	2.74	1.87	0.0069	0.00	0.0000	0.00	12.25	111.75	2669.9	229.5	144.3
13:15	1072.7	2.70	1.84	0.0068	0.00	0.0000	0.00	12.25	111.64	2667.5	229.5	144.3
13:16	1072.7	2.73	1.87	0.0069	0.00	0.0000	0.00	12.27	111.64	2667.5	229.7	144.4
13:17	1072.7	2.79	1.90	0.0070	0.00	0.0000	0.00	12.25	111.94	2674.7	230.0	144.3
13:18	1072.7	2.86	1.95	0.0072	0.00	0.0000	0.00	12.25	111.74	2669.9	229.8	144.3
13:19	1072.7	2.88	1.96	0.0072	0.00	0.0000	0.00	12.25	111.65	2667.5	230.0	144.3
13:20	1072.7	2.84	1.94	0.0071	0.00	0.0000	0.00	12.25	111.64	2667.5	229.7	144.3
13:21	1072.8	2.76	1.88	0.0069	0.00	0.0000	0.00	12.25	111.95	2674.9	229.8	144.3
13:22	1072.8	2.69	1.83	0.0068	0.00	0.0000	0.00	12.24	111.84	2672.4	229.9	144.2
13:23	1072.8	2.71	1.85	0.0068	0.00	0.0000	0.00	12.26	111.64	2667.7	229.7	144.3
13:24	1072.8	2.77	1.89	0.0070	0.00	0.0000	0.00	12.24	111.93	2673.9	230.3	144.4
13:25	1072.8	2.83	1.93	0.0071	0.00	0.0000	0.00	12.25	111.84	2672.4	230.2	144.5
13:26	1072.8	2.85	1.94	0.0072	0.00	0.0000	0.00	12.25	112.15	2679.6	230.7	144.5
13:27	1072.8	2.85	1.94	0.0071	0.00	0.0000	0.00	12.23	111.94	2674.9	230.0	144.5
13:28	1072.8	2.81	1.92	0.0071	0.00	0.0000	0.00	12.25	112.14	2679.6	230.6	144.5
13:29	1072.8	2.75	1.87	0.0069	0.00	0.0000	0.00	12.23	111.95	2674.9	230.5	144.5
13:30	1072.8	2.74	1.87	0.0069	0.00	0.0000	0.00	12.25	112.04	2677.3	230.1	144.5
Average	1072.7	2.80	1.91	0.0070	0.00	0.0000	0.00	12.25	111.84	2672.2	229.9	144.4

Run 7

Minute	HHV	75-NOx	ppm	75-NOx	CO	CO	CO	75-O2%	Fuel	Heat	CT	Steam
	Gas		@15%									
	Btu/scf	ppm	O2	lb/mmBtu	ppm	lb/mmBtu	lb/hr	1-Min	klb/hr	Total	Megawatts	Turbine
1-Min	1-Min	1-Min	1-Min	u 1-Min	1-Min	u 1-Min	1-Min	1-Min	1-Min	1-Min	1-Min	1-Min
14:05	1073.0	2.77	1.89	0.0070	0.00	0.0000	0.00	12.26	111.95	2675.4	230.2	144.5
14:06	1073.0	2.81	1.91	0.0070	0.00	0.0000	0.00	12.23	111.65	2668.2	229.7	144.6
14:07	1073.0	2.81	1.91	0.0071	0.00	0.0000	0.00	12.24	111.95	2675.4	229.8	144.6
14:08	1073.0	2.79	1.90	0.0070	0.00	0.0000	0.00	12.25	112.06	2677.7	230.3	144.6
14:09	1073.0	2.77	1.89	0.0070	0.00	0.0000	0.00	12.24	111.96	2675.4	229.9	144.7
14:10	1073.0	2.79	1.90	0.0070	0.00	0.0000	0.00	12.24	111.95	2675.4	229.8	144.6
14:11	1073.0	2.80	1.91	0.0070	0.00	0.0000	0.00	12.25	112.06	2677.7	230.1	144.5
14:12	1073.0	2.79	1.91	0.0070	0.00	0.0000	0.00	12.27	112.06	2677.7	230.0	144.5
14:13	1073.0	2.77	1.89	0.0070	0.00	0.0000	0.00	12.24	112.16	2680.1	230.4	144.5
14:14	1073.0	2.79	1.91	0.0070	0.00	0.0000	0.00	12.26	111.86	2672.9	229.7	144.7
14:15	1073.0	2.79	1.90	0.0070	0.00	0.0000	0.00	12.24	111.86	2672.9	230.7	144.6
14:16	1073.0	2.80	1.91	0.0070	0.00	0.0000	0.00	12.25	111.95	2675.4	229.9	144.6
14:17	1073.0	2.79	1.91	0.0070	0.00	0.0000	0.00	12.26	112.25	2682.6	230.5	144.5
14:18	1073.0	2.79	1.90	0.0070	0.00	0.0000	0.00	12.24	111.96	2675.4	230.1	144.5
14:19	1073.0	2.77	1.89	0.0070	0.00	0.0000	0.00	12.24	112.36	2684.9	230.5	144.5
14:20	1073.0	2.78	1.89	0.0070	0.00	0.0000	0.00	12.23	112.16	2680.1	230.2	144.5
14:21	1073.0	2.79	1.90	0.0070	0.00	0.0000	0.00	12.25	112.06	2677.7	230.2	144.5
14:22	1073.0	2.79	1.90	0.0070	0.00	0.0000	0.00	12.25	112.36	2684.9	230.4	144.6
14:23	1073.0	2.78	1.89	0.0070	0.00	0.0000	0.00	12.23	111.96	2675.4	229.9	144.6
14:24	1073.0	2.79	1.91	0.0070	0.00	0.0000	0.00	12.26	112.06	2677.7	230.0	144.6
14:25	1073.0	2.78	1.89	0.0070	0.00	0.0000	0.00	12.22	112.16	2680.1	230.5	144.6
Average	1073.0	2.79	1.90	0.0070	0.00	0.0000	0.00	12.25	112.04	2677.3	230.1	144.6

Run 8

Minute	HHV	75-NOx	ppm	75-NOx	CO	CO	CO	75-O2%	Fuel	Heat	CT	Steam
	Gas		@15%									
	Btu/scf	ppm	O2	lb/mmBtu	ppm	lb/mmBtu	lb/hr	1-Min	klb/hr	Total	Megawatts	Turbine
1-Min	1-Min	1-Min	1-Min	u 1-Min	1-Min	u 1-Min	1-Min	1-Min	1-Min	1-Min	1-Min	1-Min
14:40	1073.0	2.75	1.87	0.0069	0.00	0.0000	0.00	12.24	112.16	2680.1	229.8	144.6
14:41	1073.0	2.76	1.88	0.0069	0.00	0.0000	0.00	12.26	112.16	2680.1	230.2	144.7
14:42	1073.0	2.75	1.88	0.0069	0.00	0.0000	0.00	12.26	112.36	2684.9	230.6	144.7
14:43	1073.0	2.78	1.90	0.0070	0.00	0.0000	0.00	12.25	112.36	2684.9	230.4	144.8
14:44	1073.0	2.86	1.96	0.0072	0.00	0.0000	0.00	12.27	112.07	2677.7	230.2	144.8
14:45	1072.9	2.87	1.96	0.0072	0.00	0.0000	0.00	12.27	112.27	2682.3	230.8	144.8
14:46	1072.9	2.82	1.93	0.0071	0.00	0.0000	0.00	12.27	112.27	2682.3	230.4	144.8
14:47	1072.9	2.77	1.89	0.0070	0.00	0.0000	0.00	12.26	112.26	2682.3	230.5	145.0
14:48	1072.9	2.73	1.86	0.0069	0.00	0.0000	0.00	12.25	112.37	2684.7	230.3	145.1
14:49	1072.9	2.72	1.86	0.0068	0.00	0.0000	0.00	12.25	112.47	2687.0	230.5	145.1
14:50	1072.9	2.75	1.88	0.0069	0.00	0.0000	0.00	12.26	112.46	2687.0	230.4	145.1
14:51	1073.0	2.82	1.92	0.0071	0.00	0.0000	0.00	12.25	112.37	2684.9	230.5	145.1
14:52	1073.0	2.86	1.95	0.0072	0.00	0.0000	0.00	12.25	112.17	2680.1	230.3	145.1
14:53	1073.0	2.84	1.94	0.0071	0.00	0.0000	0.00	12.25	112.36	2684.9	230.5	145.1
14:54	1073.0	2.79	1.90	0.0070	0.00	0.0000	0.00	12.25	112.47	2687.3	230.4	145.1
14:55	1073.0	2.77	1.89	0.0070	0.00	0.0000	0.00	12.26	112.17	2680.1	230.3	145.1
14:56	1073.1	2.74	1.87	0.0069	0.00	0.0000	0.00	12.27	112.17	2681.3	230.3	145.0
14:57	1073.1	2.73	1.86	0.0069	0.00	0.0000	0.00	12.25	112.46	2687.5	230.6	145.1
14:58	1073.1	2.78	1.90	0.0070	0.00	0.0000	0.00	12.25	112.17	2681.3	230.4	145.1
14:59	1073.1	2.83	1.93	0.0071	0.00	0.0000	0.00	12.26	112.27	2683.8	230.3	145.1
15:00	1073.1	2.84	1.94	0.0072	0.00	0.0000	0.00	12.27	112.17	2681.3	230.3	145.1
Average	1073.0	2.79	1.90	0.0070	0.00	0.0000	0.00	12.26	112.29	2683.1	230.4	145.0

Run 9

	HHV Gas	75-NOx	ppm @15% O2	75-NOx	CO	CO	CO		Fuel	Heat		Steam
	Btu/scf	ppm		lb/mmBtu	ppm	lb/mmBtu	lb/hr	75-O2%	Flow	Input	CT	Turbine
Minute	1-Min	1-Min	1-Min	u 1-Min	1-Min	u 1-Min	1-Min	1-Min	1-Min	1-Min	Megawa tts 1-Min	Megawa tts 1-Min
15:10	1073.7	2.75	1.88	0.0069	0.00	0.0000	0.00	12.25	112.15	2681.7	230.1	144.9
15:11	1073.7	2.72	1.86	0.0069	0.00	0.0000	0.00	12.27	112.26	2684.1	230.9	145.0
15:12	1073.7	2.74	1.87	0.0069	0.00	0.0000	0.00	12.25	112.16	2681.7	230.6	144.9
15:13	1073.7	2.83	1.93	0.0071	0.00	0.0000	0.00	12.24	112.06	2679.3	230.5	144.9
15:14	1074.0	2.88	1.96	0.0072	0.00	0.0000	0.00	12.25	112.05	2680.0	230.3	144.9
15:15	1074.1	2.83	1.93	0.0071	0.00	0.0000	0.00	12.25	112.05	2680.2	230.5	144.9
15:16	1074.1	2.76	1.88	0.0069	0.00	0.0000	0.00	12.26	112.05	2680.2	230.5	144.9
15:17	1074.1	2.72	1.86	0.0068	0.00	0.0000	0.00	12.25	112.25	2685.1	230.6	145.0
15:18	1074.1	2.73	1.86	0.0069	0.00	0.0000	0.00	12.26	112.06	2681.2	230.2	144.9
15:19	1074.1	2.78	1.90	0.0070	0.00	0.0000	0.00	12.26	111.95	2677.9	230.6	144.9
15:20	1074.1	2.82	1.92	0.0071	0.00	0.0000	0.00	12.25	112.15	2682.6	230.6	145.0
15:21	1074.4	2.86	1.96	0.0072	0.00	0.0000	0.00	12.27	112.05	2680.9	230.4	145.1
15:22	1074.4	2.85	1.95	0.0072	0.00	0.0000	0.00	12.26	112.05	2680.9	230.4	145.0
15:23	1074.4	2.78	1.90	0.0070	0.00	0.0000	0.00	12.27	111.95	2678.5	230.5	144.9
15:24	1074.4	2.70	1.84	0.0068	0.00	0.0000	0.00	12.25	112.15	2683.3	230.5	144.9
15:25	1074.4	2.71	1.85	0.0068	0.00	0.0000	0.00	12.24	112.05	2680.9	230.7	144.9
15:26	1074.6	2.80	1.91	0.0070	0.00	0.0000	0.00	12.25	111.65	2671.8	229.9	144.9
15:27	1074.7	2.86	1.95	0.0072	0.00	0.0000	0.00	12.25	112.04	2681.6	230.8	144.9
15:28	1074.7	2.85	1.94	0.0072	0.00	0.0000	0.00	12.24	112.04	2681.6	230.7	144.8
15:29	1074.7	2.82	1.92	0.0071	0.00	0.0000	0.00	12.25	112.04	2681.6	230.6	144.9
15:30	1074.7	2.78	1.89	0.0070	0.00	0.0000	0.00	12.24	111.94	2679.2	230.6	144.9
Average	1074.2	2.79	1.90	0.0070	0.00	0.0000	0.00	12.25	112.05	2680.7	230.5	144.9

Run 10

	HHV Gas	75-NOx	ppm @15% O2	75-NOx	CO	CO	CO		Fuel	Heat		Steam
	Btu/scf	ppm		lb/mmBtu	ppm	lb/mmBtu	lb/hr	75-O2%	Flow	Input	CT	Turbine
Minute	1-Min	1-Min	1-Min	u 1-Min	1-Min	u 1-Min	1-Min	1-Min	1-Min	1-Min	Megawa tts 1-Min	Megawa tts 1-Min
15:55	1075.0	2.75	1.87	0.0069	0.00	0.0000	0.00	12.24	111.72	2675.1	230.4	145.2
15:56	1075.0	2.78	1.89	0.0070	0.00	0.0000	0.00	12.23	111.72	2675.1	230.2	145.1
15:57	1074.9	2.80	1.91	0.0070	0.00	0.0000	0.00	12.25	111.63	2672.5	230.0	145.0
15:58	1074.9	2.80	1.91	0.0070	0.00	0.0000	0.00	12.25	111.93	2679.7	230.4	145.2
15:59	1074.9	2.78	1.89	0.0070	0.00	0.0000	0.00	12.24	111.83	2677.2	230.3	145.2
16:00	1074.9	2.78	1.89	0.0070	0.00	0.0000	0.00	12.23	111.82	2677.2	230.2	145.2
16:01	1074.9	2.79	1.90	0.0070	0.00	0.0000	0.00	12.25	112.03	2682.1	230.6	145.2
16:02	1074.9	2.79	1.90	0.0070	0.00	0.0000	0.00	12.24	112.12	2684.4	230.6	145.3
16:03	1074.8	2.80	1.91	0.0070	0.00	0.0000	0.00	12.24	111.83	2677.0	230.4	145.3
16:04	1074.8	2.82	1.92	0.0071	0.00	0.0000	0.00	12.23	111.73	2674.6	230.4	145.2
16:05	1074.8	2.80	1.91	0.0070	0.00	0.0000	0.00	12.24	111.73	2674.6	230.3	145.4
16:06	1074.8	2.77	1.89	0.0069	0.00	0.0000	0.00	12.23	111.92	2679.5	230.6	145.3
16:07	1074.8	2.76	1.88	0.0069	0.00	0.0000	0.00	12.26	111.63	2672.3	230.5	145.4
16:08	1074.8	2.77	1.89	0.0070	0.00	0.0000	0.00	12.24	111.83	2677.0	230.6	145.5
16:09	1074.8	2.79	1.90	0.0070	0.00	0.0000	0.00	12.25	111.73	2674.6	230.5	145.5
16:10	1074.8	2.80	1.91	0.0070	0.00	0.0000	0.00	12.24	111.92	2679.5	230.4	145.6
16:11	1074.8	2.81	1.91	0.0071	0.00	0.0000	0.00	12.24	112.23	2686.7	230.8	145.5
16:12	1074.8	2.82	1.92	0.0071	0.00	0.0000	0.00	12.24	111.93	2679.5	230.8	145.5
16:13	1074.8	2.82	1.92	0.0071	0.00	0.0000	0.00	12.23	112.03	2681.8	230.9	145.4
16:14	1074.8	2.80	1.91	0.0070	0.00	0.0000	0.00	12.23	111.83	2677.0	230.5	145.5
16:15	1074.9	2.78	1.89	0.0070	0.00	0.0000	0.00	12.24	111.72	2674.9	230.5	145.6
Average	1074.9	2.79	1.90	0.0070	0.00	0.0000	0.00	12.24	111.85	2677.7	230.5	145.3

New Covert Generating Unit 3 RATA 9/15/2021

Run 1	HHV Gas	75-NOx	ppm @15% O2	75-NOx	CO	CO	CO		Fuel Flow	Heat Input	CT	Steam Turbine
Minute	Btu/scf 1-Min	ppm 1-Min	1-Min	lb/mmBtu 1-Min	ppm 1-Min	lb/mmBtu 1-Min	lb/hr 1-Min	75-O2%	klb/hr 1-Min	Total 1-Min	Megawatts 1-Min	Megawatts 1-Min
09:46	1074.2	2.72	1.90	0.0070	0.00	0.0000	0.00	12.44	112.47	2690.5	240.2	144.4
09:47	1074.2	2.72	1.90	0.0070	0.00	0.0000	0.00	12.45	112.36	2688.0	240.5	144.4
09:48	1074.2	2.71	1.89	0.0070	0.00	0.0000	0.00	12.45	112.25	2685.7	240.6	144.4
09:49	1074.2	2.72	1.90	0.0070	0.00	0.0000	0.00	12.44	112.27	2685.7	240.4	144.4
09:50	1074.2	2.74	1.91	0.0070	0.00	0.0000	0.00	12.45	112.17	2683.3	240.4	144.4
09:51	1074.3	2.74	1.91	0.0070	0.00	0.0000	0.00	12.43	112.36	2688.3	240.1	144.4
09:52	1074.4	2.73	1.90	0.0070	0.00	0.0000	0.00	12.44	112.25	2686.1	240.2	144.4
09:53	1074.4	2.72	1.90	0.0070	0.00	0.0000	0.00	12.44	112.17	2683.8	240.4	144.4
09:54	1074.4	2.71	1.89	0.0070	0.00	0.0000	0.00	12.46	111.97	2678.9	240.0	144.4
09:55	1074.4	2.70	1.89	0.0070	0.00	0.0000	0.00	12.46	112.46	2691.0	240.5	144.4
09:56	1074.4	2.70	1.88	0.0069	0.00	0.0000	0.00	12.44	112.55	2693.3	240.4	144.3
09:57	1074.5	2.73	1.91	0.0070	0.00	0.0000	0.00	12.45	112.37	2688.7	240.3	144.5
09:58	1074.5	2.78	1.94	0.0072	0.00	0.0000	0.00	12.45	112.17	2684.0	240.1	144.4
09:59	1074.5	2.77	1.93	0.0071	0.00	0.0000	0.00	12.45	112.25	2686.4	240.4	144.5
10:00	1074.5	2.73	1.91	0.0070	0.00	0.0000	0.00	12.47	112.25	2686.4	240.7	144.4
10:01	1074.5	2.73	1.91	0.0070	0.00	0.0000	0.00	12.46	112.37	2688.7	240.4	144.5
10:02	1074.5	2.74	1.92	0.0071	0.00	0.0000	0.00	12.47	112.37	2688.7	240.5	144.5
10:03	1074.6	2.72	1.90	0.0070	0.00	0.0000	0.00	12.45	112.45	2691.4	240.7	144.5
10:04	1074.6	2.71	1.89	0.0070	0.00	0.0000	0.00	12.46	112.45	2691.4	240.6	144.5
10:05	1074.6	2.71	1.89	0.0070	0.00	0.0000	0.00	12.43	112.27	2686.6	240.5	144.6
Average	1074.4	2.73	1.90	0.0070	0.00	0.0000	0.00	12.45	112.31	2687.3	240.4	144.4

Run 2	HHV Gas	75-NOx	ppm @15% O2	75-NOx	CO	CO	CO		Fuel Flow	Heat Input	CT	Steam Turbine
Minute	Btu/scf 1-Min	ppm 1-Min	1-Min	lb/mmBtu 1-Min	ppm 1-Min	lb/mmBtu 1-Min	lb/hr 1-Min	75-O2%	klb/hr 1-Min	Total 1-Min	Megawatts 1-Min	Megawatts 1-Min
10:20	1074.4	2.69	1.88	0.0069	0.00	0.0000	0.00	12.46	112.37	2688.5	240.4	144.6
10:21	1074.5	2.66	1.86	0.0068	0.00	0.0000	0.00	12.45	112.26	2686.4	240.6	144.5
10:22	1074.5	2.68	1.87	0.0069	0.00	0.0000	0.00	12.46	112.35	2688.7	240.4	144.5
10:23	1074.5	2.73	1.91	0.0070	0.00	0.0000	0.00	12.47	112.15	2684.0	240.3	144.5
10:24	1074.5	2.74	1.92	0.0071	0.00	0.0000	0.00	12.46	112.56	2693.6	240.5	144.5
10:25	1074.5	2.73	1.91	0.0070	0.00	0.0000	0.00	12.46	112.37	2688.7	240.6	144.5
10:26	1074.5	2.73	1.91	0.0070	0.00	0.0000	0.00	12.45	112.27	2686.4	240.3	144.5
10:27	1074.5	2.74	1.91	0.0070	0.00	0.0000	0.00	12.45	112.25	2686.4	240.2	144.5
10:28	1074.5	2.73	1.90	0.0070	0.00	0.0000	0.00	12.44	112.25	2686.4	240.3	144.6
10:29	1074.5	2.70	1.89	0.0069	0.00	0.0000	0.00	12.45	112.05	2681.5	240.5	144.5
10:30	1074.5	2.70	1.88	0.0069	0.00	0.0000	0.00	12.44	112.45	2691.2	240.6	144.5
10:31	1074.5	2.71	1.89	0.0070	0.00	0.0000	0.00	12.46	112.36	2688.7	240.6	144.5
10:32	1074.5	2.73	1.90	0.0070	0.00	0.0000	0.00	12.43	112.57	2693.6	240.9	144.5
10:33	1074.5	2.75	1.92	0.0071	0.00	0.0000	0.00	12.44	112.36	2688.7	240.7	144.6
10:34	1074.5	2.76	1.92	0.0071	0.00	0.0000	0.00	12.44	112.34	2688.7	240.4	144.6
10:35	1074.5	2.72	1.90	0.0070	0.00	0.0000	0.00	12.44	112.25	2686.4	240.2	144.5
10:36	1074.5	2.72	1.90	0.0070	0.00	0.0000	0.00	12.44	112.25	2686.4	240.2	144.5
10:37	1074.5	2.70	1.88	0.0069	0.00	0.0000	0.00	12.43	112.26	2686.4	240.2	144.6
10:38	1074.5	2.70	1.88	0.0069	0.00	0.0000	0.00	12.44	112.35	2688.7	240.0	144.6
10:39	1074.5	2.72	1.90	0.0070	0.00	0.0000	0.00	12.45	112.36	2688.7	240.1	144.5
10:40	1074.5	2.73	1.90	0.0070	0.00	0.0000	0.00	12.44	112.25	2686.4	240.0	144.5
Average	1074.5	2.72	1.90	0.0070	0.00	0.0000	0.00	12.45	112.32	2687.8	240.4	144.5

Run 3	HHV Gas	75-NOx	ppm @15% O2	75-NOx	CO	CO	CO		Fuel	Heat		Steam
Minute	Btu/scf 1-Min	ppm 1-Min	1-Min	lb/mmBtu 1-Min	ppm 1-Min	lb/mmBtu 1-Min	lb/hr 1-Min	75-O2%	Flow klb/hr 1-Min	Input Total 1-Min	CT Megawatts 1-Min	Turbine Megawatts 1-Min
10:50	1074.6	2.71	1.89	0.0070	0.00	0.0000	0.00	12.45	112.36	2689.0	240.3	144.6
10:51	1074.5	2.72	1.90	0.0070	0.00	0.0000	0.00	12.47	112.17	2684.0	240.3	144.6
10:52	1074.5	2.71	1.89	0.0070	0.00	0.0000	0.00	12.46	112.26	2686.4	240.4	144.5
10:53	1074.5	2.68	1.87	0.0069	0.00	0.0000	0.00	12.46	112.26	2686.4	240.1	144.6
10:54	1074.5	2.69	1.88	0.0069	0.00	0.0000	0.00	12.44	112.25	2686.4	239.9	144.5
10:55	1074.5	2.71	1.89	0.0070	0.00	0.0000	0.00	12.45	112.25	2686.4	240.1	144.5
10:56	1074.5	2.73	1.91	0.0070	0.00	0.0000	0.00	12.46	112.16	2684.0	240.1	144.5
10:57	1074.5	2.77	1.94	0.0071	0.00	0.0000	0.00	12.46	112.06	2681.5	239.8	144.5
10:58	1074.5	2.77	1.93	0.0071	0.00	0.0000	0.00	12.44	112.05	2681.5	240.2	144.5
10:59	1074.5	2.71	1.89	0.0070	0.00	0.0000	0.00	12.43	112.24	2686.4	240.3	144.5
11:00	1074.5	2.69	1.88	0.0069	0.00	0.0000	0.00	12.44	112.15	2684.0	240.0	144.4
11:01	1074.5	2.70	1.88	0.0069	0.00	0.0000	0.00	12.44	112.17	2684.0	239.9	144.5
11:02	1074.5	2.69	1.88	0.0069	0.00	0.0000	0.00	12.44	112.16	2684.0	240.0	144.5
11:03	1074.6	2.67	1.86	0.0069	0.00	0.0000	0.00	12.43	112.25	2686.6	239.8	144.4
11:04	1074.6	2.68	1.87	0.0069	0.00	0.0000	0.00	12.44	112.04	2681.8	239.7	144.3
11:05	1074.6	2.71	1.89	0.0070	0.00	0.0000	0.00	12.45	112.15	2684.2	240.0	144.4
11:06	1074.6	2.72	1.90	0.0070	0.00	0.0000	0.00	12.44	112.37	2689.0	240.2	144.4
11:07	1074.6	2.72	1.90	0.0070	0.00	0.0000	0.00	12.44	112.06	2681.8	239.7	144.4
11:08	1074.6	2.71	1.89	0.0070	0.00	0.0000	0.00	12.44	112.05	2681.8	239.7	144.3
11:09	1074.7	2.71	1.89	0.0070	0.00	0.0000	0.00	12.46	112.15	2684.5	239.8	144.4
11:10	1074.7	2.68	1.87	0.0069	0.00	0.0000	0.00	12.44	112.16	2684.5	240.1	144.3
Average	1074.6	2.71	1.89	0.0070	0.00	0.0000	0.00	12.45	112.18	2684.7	240.0	144.5

Run 4	HHV Gas	75-NOx	ppm @15% O2	75-NOx	CO	CO	CO		Fuel	Heat		Steam
Minute	Btu/scf 1-Min	ppm 1-Min	1-Min	lb/mmBtu 1-Min	ppm 1-Min	lb/mmBtu 1-Min	lb/hr 1-Min	75-O2%	Flow klb/hr 1-Min	Input Total 1-Min	CT Megawatts 1-Min	Turbine Megawatts 1-Min
11:45	1075.4	2.67	1.87	0.0069	0.00	0.0000	0.00	12.46	111.95	2681.3	240.0	144.4
11:46	1075.4	2.64	1.84	0.0068	0.00	0.0000	0.00	12.44	112.06	2683.6	240.3	144.4
11:47	1075.4	2.68	1.87	0.0069	0.00	0.0000	0.00	12.43	112.04	2683.6	240.3	144.5
11:48	1075.4	2.75	1.92	0.0071	0.00	0.0000	0.00	12.45	111.95	2681.3	239.8	144.4
11:49	1075.4	2.76	1.93	0.0071	0.00	0.0000	0.00	12.45	112.16	2686.1	240.2	144.3
11:50	1075.4	2.70	1.88	0.0069	0.00	0.0000	0.00	12.44	112.14	2686.1	240.2	144.3
11:51	1075.4	2.69	1.88	0.0069	0.00	0.0000	0.00	12.45	111.65	2674.0	239.6	144.4
11:52	1075.4	2.72	1.90	0.0070	0.00	0.0000	0.00	12.45	112.06	2683.6	240.0	144.4
11:53	1075.4	2.73	1.91	0.0070	0.00	0.0000	0.00	12.45	112.06	2683.6	239.9	144.4
11:54	1075.4	2.74	1.91	0.0070	0.00	0.0000	0.00	12.43	111.97	2681.3	240.1	144.5
11:55	1075.4	2.75	1.92	0.0071	0.00	0.0000	0.00	12.44	112.05	2683.6	240.1	144.4
11:56	1075.4	2.73	1.91	0.0070	0.00	0.0000	0.00	12.47	112.25	2688.5	240.6	144.4
11:57	1075.3	2.74	1.92	0.0071	0.00	0.0000	0.00	12.46	112.16	2685.9	240.5	144.5
11:58	1075.3	2.76	1.93	0.0071	0.00	0.0000	0.00	12.45	112.06	2683.4	240.1	144.5
11:59	1075.3	2.77	1.93	0.0071	0.00	0.0000	0.00	12.44	112.16	2685.9	240.0	144.4
12:00	1075.3	2.72	1.90	0.0070	0.00	0.0000	0.00	12.44	111.94	2681.0	239.9	144.5
12:01	1075.3	2.69	1.88	0.0069	0.00	0.0000	0.00	12.45	111.94	2681.0	239.9	144.5
12:02	1075.3	2.67	1.86	0.0069	0.00	0.0000	0.00	12.45	112.04	2683.4	240.1	144.5
12:03	1075.3	2.68	1.87	0.0069	0.00	0.0000	0.00	12.45	112.06	2683.4	239.9	144.4
12:04	1075.3	2.72	1.90	0.0070	0.00	0.0000	0.00	12.46	111.96	2681.0	240.2	144.4
12:05	1075.3	2.75	1.92	0.0071	0.00	0.0000	0.00	12.46	112.16	2685.9	240.4	144.5
Average	1075.4	2.72	1.90	0.0070	0.00	0.0000	0.00	12.45	112.04	2683.2	240.1	144.4

Run 5	HHV Gas	75-NOx	ppm @15% O2	75-NOx	CO	CO	CO		Fuel Flow	Heat Input	CT	Steam Turbine
Minute	Btu/scf 1-Min	ppm 1-Min	1-Min	lb/mmBtu 1-Min	ppm 1-Min	lb/mmBtu 1-Min	lb/hr 1-Min	75-O2%	klb/hr 1-Min	Total 1-Min	Megawatts 1-Min	Megawatts 1-Min
12:20	1075.3	2.72	1.90	0.0070	0.00	0.0000	0.00	12.44	112.16	2685.9	240.0	144.5
12:21	1075.4	2.74	1.91	0.0070	0.00	0.0000	0.00	12.45	111.96	2681.3	239.8	144.5
12:22	1075.4	2.76	1.93	0.0071	0.00	0.0000	0.00	12.45	111.96	2681.3	239.9	144.5
12:23	1075.4	2.75	1.92	0.0071	0.00	0.0000	0.00	12.44	112.05	2683.6	239.9	144.5
12:24	1075.4	2.72	1.89	0.0070	0.00	0.0000	0.00	12.43	112.03	2683.6	239.7	144.5
12:25	1075.4	2.71	1.89	0.0070	0.00	0.0000	0.00	12.45	111.96	2681.3	239.7	144.5
12:26	1075.4	2.70	1.89	0.0069	0.00	0.0000	0.00	12.45	111.85	2678.9	239.6	144.5
12:27	1075.4	2.69	1.88	0.0069	0.00	0.0000	0.00	12.44	111.85	2678.9	239.6	144.5
12:28	1075.4	2.70	1.88	0.0069	0.00	0.0000	0.00	12.44	111.96	2681.3	239.4	144.4
12:29	1075.4	2.71	1.90	0.0070	0.00	0.0000	0.00	12.48	111.84	2678.9	239.7	144.4
12:30	1075.4	2.72	1.90	0.0070	0.00	0.0000	0.00	12.46	111.95	2681.3	240.0	144.4
12:31	1075.4	2.74	1.91	0.0070	0.00	0.0000	0.00	12.42	112.05	2683.6	239.9	144.4
12:32	1075.4	2.78	1.94	0.0071	0.00	0.0000	0.00	12.43	111.95	2681.3	239.6	144.4
12:33	1075.4	2.77	1.93	0.0071	0.00	0.0000	0.00	12.43	111.74	2676.5	239.2	144.4
12:34	1075.4	2.73	1.91	0.0070	0.00	0.0000	0.00	12.46	111.85	2678.9	239.5	144.3
12:35	1075.4	2.67	1.87	0.0069	0.00	0.0000	0.00	12.48	111.76	2676.5	239.7	144.3
12:36	1075.4	2.67	1.87	0.0069	0.00	0.0000	0.00	12.48	111.76	2676.5	239.7	144.3
12:37	1075.4	2.69	1.88	0.0069	0.00	0.0000	0.00	12.45	111.95	2681.3	239.7	144.4
12:38	1075.4	2.73	1.90	0.0070	0.00	0.0000	0.00	12.44	111.95	2681.3	239.8	144.3
12:39	1075.4	2.79	1.95	0.0072	0.00	0.0000	0.00	12.44	111.66	2674.0	239.4	144.4
12:40	1075.4	2.79	1.95	0.0072	0.00	0.0000	0.00	12.45	111.85	2678.9	239.9	144.3
Average	1075.4	2.73	1.90	0.0070	0.00	0.0000	0.00	12.45	111.91	2680.2	239.7	144.4

Run 6	HHV Gas	75-NOx	ppm @15% O2	75-NOx	CO	CO	CO		Fuel Flow	Heat Input	CT	Steam Turbine
Minute	Btu/scf 1-Min	ppm 1-Min	1-Min	lb/mmBtu 1-Min	ppm 1-Min	lb/mmBtu 1-Min	lb/hr 1-Min	75-O2%	klb/hr 1-Min	Total 1-Min	Megawatts 1-Min	Megawatts 1-Min
12:55	1075.2	2.72	1.89	0.0070	0.00	0.0000	0.00	12.43	111.85	2678.4	239.5	144.4
12:56	1075.2	2.74	1.92	0.0071	0.00	0.0000	0.00	12.46	112.05	2683.2	240.0	144.3
12:57	1075.1	2.75	1.91	0.0070	0.00	0.0000	0.00	12.41	111.86	2678.2	239.9	144.3
12:58	1075.1	2.75	1.92	0.0071	0.00	0.0000	0.00	12.45	111.95	2680.6	239.7	144.4
12:59	1075.1	2.73	1.90	0.0070	0.00	0.0000	0.00	12.43	112.15	2685.4	240.1	144.4
13:00	1075.1	2.69	1.87	0.0069	0.00	0.0000	0.00	12.43	111.95	2680.6	240.0	144.4
13:01	1075.1	2.69	1.87	0.0069	0.00	0.0000	0.00	12.43	111.96	2680.6	239.5	144.4
13:02	1075.1	2.71	1.89	0.0070	0.00	0.0000	0.00	12.46	111.95	2680.6	239.5	144.4
13:03	1075.1	2.71	1.89	0.0070	0.00	0.0000	0.00	12.46	111.95	2680.6	239.7	144.3
13:04	1075.2	2.70	1.89	0.0069	0.00	0.0000	0.00	12.45	112.15	2685.6	239.8	144.4
13:05	1075.2	2.73	1.91	0.0070	0.00	0.0000	0.00	12.46	112.15	2685.6	240.2	144.4
13:06	1075.2	2.77	1.94	0.0071	0.00	0.0000	0.00	12.46	112.25	2688.0	240.3	144.5
13:07	1075.2	2.80	1.96	0.0072	0.03	0.0000	0.00	12.46	112.05	2683.2	240.3	144.4
13:08	1075.2	2.81	1.96	0.0072	0.00	0.0000	0.00	12.45	111.95	2680.8	240.0	144.5
13:09	1075.3	2.76	1.92	0.0071	0.00	0.0000	0.00	12.44	111.95	2681.0	239.8	144.4
13:10	1075.3	2.67	1.87	0.0069	0.00	0.0000	0.00	12.46	111.86	2678.7	239.7	144.4
13:11	1075.3	2.64	1.84	0.0068	0.00	0.0000	0.00	12.43	112.16	2685.9	240.1	144.4
13:12	1075.3	2.68	1.87	0.0069	0.00	0.0000	0.00	12.43	112.05	2683.4	240.2	144.5
13:13	1075.3	2.74	1.91	0.0070	0.00	0.0000	0.00	12.44	111.86	2678.7	239.8	144.4
13:14	1075.3	2.76	1.93	0.0071	0.00	0.0000	0.00	12.46	111.95	2681.0	240.1	144.3
13:15	1075.4	2.75	1.92	0.0071	0.00	0.0000	0.00	12.46	112.05	2683.6	240.1	144.3
Average	1075.2	2.73	1.90	0.0070	0.00	0.0000	0.00	12.45	112.00	2682.1	239.9	144.4

Run 7	HHV Gas Btu/scf 1-Min	75-NOx ppm 1-Min	ppm @15% O2 1-Min	75-NOx lb/mmBtu 1-Min	CO ppm 1-Min	CO lb/mmBtu 1-Min	CO lb/hr 1-Min	75-O2%	Fuel Flow klb/hr 1-Min	Heat Input Total 1-Min	CT Megawatts 1-Min	Steam Turbine Megawatts 1-Min
Minute												
14:00	1076.2	2.75	1.92	0.0071	0.00	0.0000	0.00	12.46	112.04	2685.5	239.8	144.3
14:01	1076.2	2.71	1.89	0.0070	0.00	0.0000	0.00	12.45	111.95	2683.1	239.9	144.4
14:02	1076.2	2.71	1.89	0.0070	0.00	0.0000	0.00	12.46	111.85	2680.7	240.0	144.4
14:03	1076.2	2.73	1.91	0.0070	0.00	0.0000	0.00	12.47	112.15	2688.0	240.0	144.4
14:04	1076.3	2.74	1.91	0.0070	0.00	0.0000	0.00	12.45	112.05	2685.7	239.9	144.4
14:05	1076.3	2.76	1.93	0.0071	0.00	0.0000	0.00	12.45	111.75	2678.6	239.9	144.4
14:06	1076.3	2.75	1.92	0.0071	0.00	0.0000	0.00	12.45	111.95	2683.3	239.9	144.4
14:07	1076.3	2.71	1.89	0.0070	0.00	0.0000	0.00	12.45	111.95	2683.3	240.2	144.3
14:08	1076.3	2.70	1.88	0.0069	0.00	0.0000	0.00	12.44	111.95	2683.3	239.9	144.3
14:09	1076.4	2.72	1.90	0.0070	0.00	0.0000	0.00	12.45	111.95	2683.6	239.7	144.3
14:10	1076.4	2.72	1.90	0.0070	0.00	0.0000	0.00	12.45	111.75	2678.8	239.7	144.4
14:11	1076.4	2.70	1.88	0.0069	0.00	0.0000	0.00	12.44	111.95	2683.6	239.9	144.4
14:12	1076.4	2.68	1.87	0.0069	0.00	0.0000	0.00	12.45	111.95	2683.6	239.8	144.3
14:13	1076.4	2.71	1.89	0.0070	0.00	0.0000	0.00	12.46	111.85	2681.2	240.0	144.4
14:14	1076.4	2.73	1.91	0.0070	0.00	0.0000	0.00	12.46	112.05	2685.9	239.7	144.3
14:15	1076.4	2.73	1.90	0.0070	0.00	0.0000	0.00	12.44	111.95	2683.6	240.2	144.3
14:16	1076.5	2.72	1.90	0.0070	0.00	0.0000	0.00	12.46	112.15	2688.7	240.0	144.3
14:17	1076.5	2.71	1.89	0.0070	0.00	0.0000	0.00	12.45	112.15	2688.7	240.2	144.3
14:18	1076.5	2.71	1.89	0.0070	0.00	0.0000	0.00	12.45	111.85	2681.4	240.1	144.3
14:19	1076.5	2.71	1.89	0.0070	0.00	0.0000	0.00	12.45	111.95	2683.8	239.8	144.3
14:20	1076.5	2.72	1.90	0.0070	0.00	0.0000	0.00	12.45	112.05	2686.2	240.1	144.3
Average	1076.4	2.72	1.90	0.0070	0.00	0.0000	0.00	12.45	111.96	2683.8	239.9	144.3

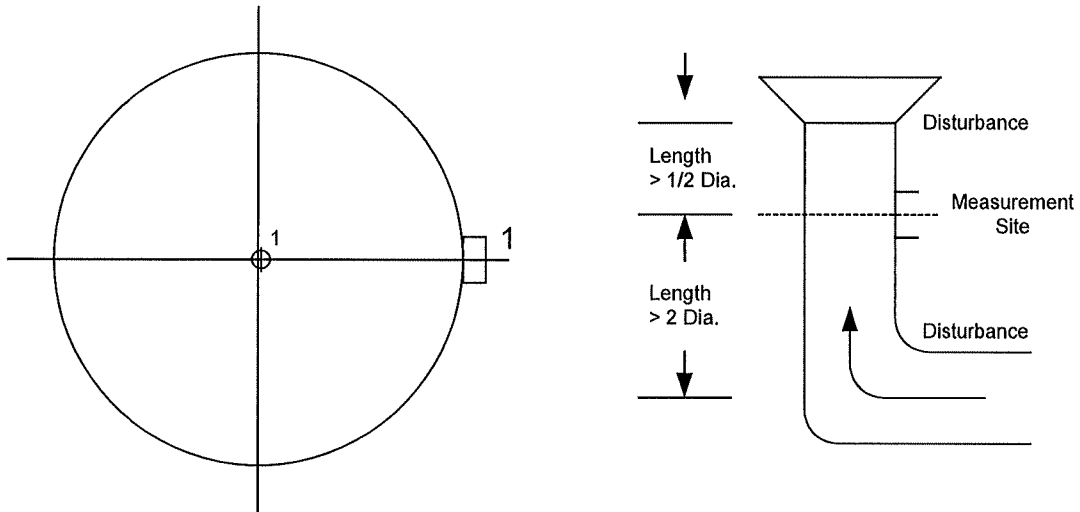
Run 8	HHV Gas Btu/scf 1-Min	75-NOx ppm 1-Min	ppm @15% O2 1-Min	75-NOx lb/mmBtu 1-Min	CO ppm 1-Min	CO lb/mmBtu 1-Min	CO lb/hr 1-Min	75-O2%	Fuel Flow klb/hr 1-Min	Heat Input Total 1-Min	CT Megawatts 1-Min	Steam Turbine Megawatts 1-Min
Minute												
14:35	1076.7	2.76	1.92	0.0071	0.00	0.0000	0.00	12.44	111.95	2684.3	240.3	144.5
14:36	1076.7	2.76	1.92	0.0071	0.00	0.0000	0.00	12.44	111.95	2684.3	240.3	144.5
14:37	1076.7	2.72	1.90	0.0070	0.00	0.0000	0.00	12.44	112.05	2686.6	240.3	144.5
14:38	1076.7	2.69	1.88	0.0069	0.00	0.0000	0.00	12.45	112.15	2689.1	240.1	144.5
14:39	1076.6	2.67	1.86	0.0069	0.00	0.0000	0.00	12.45	112.15	2688.9	240.3	144.5
14:40	1076.6	2.67	1.86	0.0069	0.00	0.0000	0.00	12.45	111.75	2679.3	240.1	144.5
14:41	1076.6	2.71	1.90	0.0070	0.00	0.0000	0.00	12.47	111.96	2684.0	240.5	144.4
14:42	1076.6	2.80	1.96	0.0072	0.00	0.0000	0.00	12.46	112.15	2688.9	240.7	144.4
14:43	1076.6	2.84	1.99	0.0073	0.00	0.0000	0.00	12.47	112.25	2691.3	240.6	144.4
14:44	1076.6	2.80	1.96	0.0072	0.00	0.0000	0.00	12.49	112.45	2696.1	241.0	144.4
14:45	1076.6	2.74	1.91	0.0070	0.00	0.0000	0.00	12.45	112.15	2688.9	240.9	144.4
14:46	1076.7	2.73	1.91	0.0070	0.00	0.0000	0.00	12.45	112.05	2686.6	240.4	144.5
14:47	1076.7	2.71	1.90	0.0070	0.00	0.0000	0.00	12.47	112.25	2691.5	241.0	144.4
14:48	1076.7	2.69	1.88	0.0069	0.00	0.0000	0.00	12.48	112.45	2696.3	241.1	144.5
14:49	1076.7	2.71	1.89	0.0070	0.00	0.0000	0.00	12.46	112.55	2698.7	241.3	144.5
14:50	1076.7	2.78	1.94	0.0072	0.00	0.0000	0.00	12.46	112.55	2698.7	241.2	144.5
14:51	1076.7	2.82	1.97	0.0073	0.00	0.0000	0.00	12.47	112.25	2691.5	240.9	144.5
14:52	1076.7	2.80	1.96	0.0072	0.00	0.0000	0.00	12.46	112.14	2689.1	240.9	144.5
14:53	1076.7	2.72	1.90	0.0070	0.00	0.0000	0.00	12.45	112.25	2691.5	241.0	144.6
14:54	1076.7	2.67	1.86	0.0069	0.00	0.0000	0.00	12.45	112.05	2686.6	240.6	144.6
14:55	1076.7	2.68	1.87	0.0069	0.00	0.0000	0.00	12.45	111.85	2681.9	240.4	144.5
Average	1076.7	2.74	1.91	0.0070	0.00	0.0000	0.00	12.46	112.16	2689.2	240.7	144.5

Run 9	HHV Gas	75-NOx	ppm @15%	75-NOx	CO	CO	CO		Fuel	Heat		Steam
	Btu/scf	ppm	O2	lb/mmBtu	ppm	lb/mmBtu	lb/hr	75-O2%	Flow	Input	CT	Turbine
Minute	1-Min	1-Min	1-Min	u 1-Min	1-Min	u 1-Min	1-Min	1-Min	1-Min	1-Min	Megawa tts 1-Min	Megawa tts 1-Min
15:05	1076.7	2.72	1.90	0.0070	0.00	0.0000	0.00	12.46	112.35	2693.9	240.5	144.6
15:06	1076.7	2.71	1.90	0.0070	0.00	0.0000	0.00	12.47	112.25	2691.5	240.5	144.5
15:07	1076.7	2.69	1.88	0.0069	0.00	0.0000	0.00	12.47	112.45	2696.3	240.8	144.6
15:08	1076.7	2.69	1.88	0.0069	0.00	0.0000	0.00	12.46	112.45	2696.3	241.0	144.6
15:09	1076.6	2.72	1.90	0.0070	0.00	0.0000	0.00	12.45	112.24	2691.3	240.8	144.6
15:10	1076.6	2.74	1.92	0.0071	0.00	0.0000	0.00	12.48	112.05	2686.4	240.7	144.6
15:11	1076.6	2.73	1.91	0.0070	0.00	0.0000	0.00	12.46	112.15	2688.9	240.5	144.6
15:12	1076.6	2.70	1.89	0.0070	0.00	0.0000	0.00	12.47	112.35	2693.6	240.6	144.6
15:13	1076.6	2.69	1.88	0.0069	0.00	0.0000	0.00	12.46	112.25	2691.3	240.8	144.6
15:14	1076.6	2.71	1.90	0.0070	0.00	0.0000	0.00	12.47	112.25	2691.3	240.5	144.6
15:15	1076.6	2.73	1.91	0.0070	0.00	0.0000	0.00	12.47	112.05	2686.4	240.3	144.6
15:16	1076.6	2.72	1.90	0.0070	0.00	0.0000	0.00	12.47	112.24	2691.3	241.0	144.6
15:17	1076.6	2.72	1.90	0.0070	0.00	0.0000	0.00	12.45	112.35	2693.6	240.8	144.6
15:18	1076.6	2.75	1.93	0.0071	0.00	0.0000	0.00	12.48	112.25	2691.3	240.8	144.6
15:19	1076.6	2.77	1.94	0.0071	0.00	0.0000	0.00	12.47	112.25	2691.3	241.1	144.6
15:20	1076.6	2.76	1.93	0.0071	0.00	0.0000	0.00	12.47	112.35	2693.6	240.9	144.7
15:21	1076.6	2.75	1.92	0.0071	0.00	0.0000	0.00	12.45	112.05	2686.4	240.8	144.7
15:22	1076.6	2.72	1.90	0.0070	0.00	0.0000	0.00	12.44	112.45	2696.1	240.7	144.7
15:23	1076.6	2.68	1.87	0.0069	0.00	0.0000	0.00	12.46	112.35	2693.6	240.9	144.7
15:24	1076.6	2.65	1.85	0.0068	0.00	0.0000	0.00	12.43	112.34	2693.6	241.4	144.6
15:25	1076.6	2.70	1.88	0.0069	0.00	0.0000	0.00	12.42	112.35	2693.6	241.0	144.7
Average	1076.6	2.72	1.90	0.0070	0.00	0.0000	0.00	12.46	112.28	2692.0	240.8	144.6

Run 10	HHV Gas	75-NOx	ppm @15%	75-NOx	CO	CO	CO		Fuel	Heat		Steam
	Btu/scf	ppm	O2	lb/mmBtu	ppm	lb/mmBtu	lb/hr	75-O2%	Flow	Input	CT	Turbine
Minute	1-Min	1-Min	1-Min	u 1-Min	1-Min	u 1-Min	1-Min	1-Min	1-Min	1-Min	Megawa tts 1-Min	Megawa tts 1-Min
15:50	1076.6	2.72	1.90	0.0070	0.00	0.0000	0.00	12.46	112.35	2693.6	240.8	144.6
15:51	1076.6	2.72	1.90	0.0070	0.00	0.0000	0.00	12.47	112.25	2691.3	241.0	144.6
15:52	1076.6	2.71	1.89	0.0070	0.00	0.0000	0.00	12.45	112.05	2686.4	240.8	144.6
15:53	1076.6	2.70	1.89	0.0069	0.00	0.0000	0.00	12.45	112.15	2688.9	240.7	144.6
15:54	1076.6	2.69	1.88	0.0069	0.00	0.0000	0.00	12.46	112.15	2688.9	240.7	144.6
15:55	1076.6	2.68	1.87	0.0069	0.00	0.0000	0.00	12.46	112.25	2691.3	240.7	144.5
15:56	1076.6	2.68	1.87	0.0069	0.00	0.0000	0.00	12.46	112.35	2693.6	240.8	144.6
15:57	1076.6	2.70	1.89	0.0070	0.00	0.0000	0.00	12.47	112.05	2686.4	240.8	144.5
15:58	1076.5	2.72	1.90	0.0070	0.00	0.0000	0.00	12.47	112.45	2695.9	241.2	144.6
15:59	1076.5	2.73	1.91	0.0070	0.00	0.0000	0.00	12.47	112.25	2691.0	240.9	144.6
16:00	1076.5	2.75	1.92	0.0071	0.00	0.0000	0.00	12.47	112.25	2691.0	240.6	144.6
16:01	1076.5	2.74	1.92	0.0071	0.00	0.0000	0.00	12.48	112.25	2691.0	240.8	144.6
16:02	1076.5	2.70	1.89	0.0070	0.00	0.0000	0.00	12.49	112.55	2698.2	241.5	144.6
16:03	1076.5	2.71	1.89	0.0070	0.00	0.0000	0.00	12.46	112.65	2700.6	241.8	144.6
16:04	1076.5	2.77	1.94	0.0071	0.00	0.0000	0.00	12.46	112.66	2700.6	241.5	144.7
16:05	1076.5	2.79	1.95	0.0072	0.00	0.0000	0.00	12.46	112.45	2695.9	241.4	144.7
16:06	1076.5	2.73	1.91	0.0070	0.00	0.0000	0.00	12.46	112.45	2695.9	241.1	144.8
16:07	1076.5	2.65	1.85	0.0068	0.00	0.0000	0.00	12.47	112.35	2693.4	241.2	144.8
16:08	1076.5	2.65	1.85	0.0068	0.00	0.0000	0.00	12.45	112.45	2695.9	241.0	144.7
16:09	1076.4	2.68	1.88	0.0069	0.00	0.0000	0.00	12.48	112.35	2693.2	241.3	144.7
16:10	1076.4	2.72	1.90	0.0070	0.00	0.0000	0.00	12.46	112.35	2693.2	241.0	144.7
Average	1076.5	2.71	1.90	0.0070	0.00	0.0000	0.00	12.46	112.34	2693.2	241.0	144.6

Appendix B - Test Section Diagrams

GASEOUS TRAVERSE FOR ROUND DUCTS



Job: New Covert Generating Company, LLC
New Covert Generating Facility
Covert, Michigan

Date: September 14, 2021

Test Location: Unit 001 Stack

Stack Diameter: 22.1 Feet

Stack Area: 383.60 Square Feet

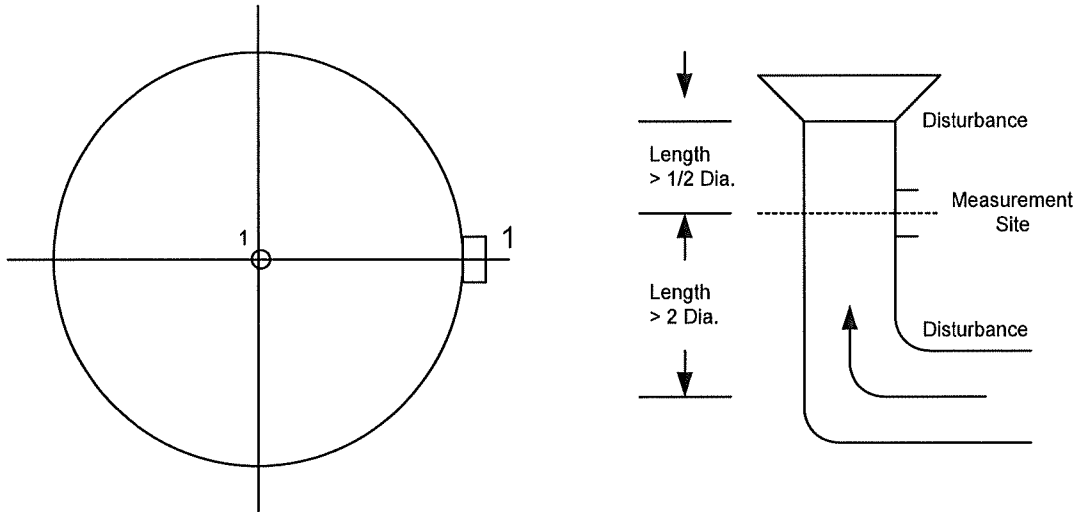
Upstream Disturbance: 0.820

Downstream Disturbance: 3.440

No. Sample Points: 1

Port Length: 12.25 Inches

GASEOUS TRAVERSE FOR ROUND DUCTS



Job: New Covert Generating Company, LLC
New Covert Generating Facility
Covert, Michigan

Date: September 15, 2021

Test Location: Unit 003 Stack

Stack Diameter: 22.1 Feet

Stack Area: 383.60 Square Feet

Upstream Disturbance: 0.820

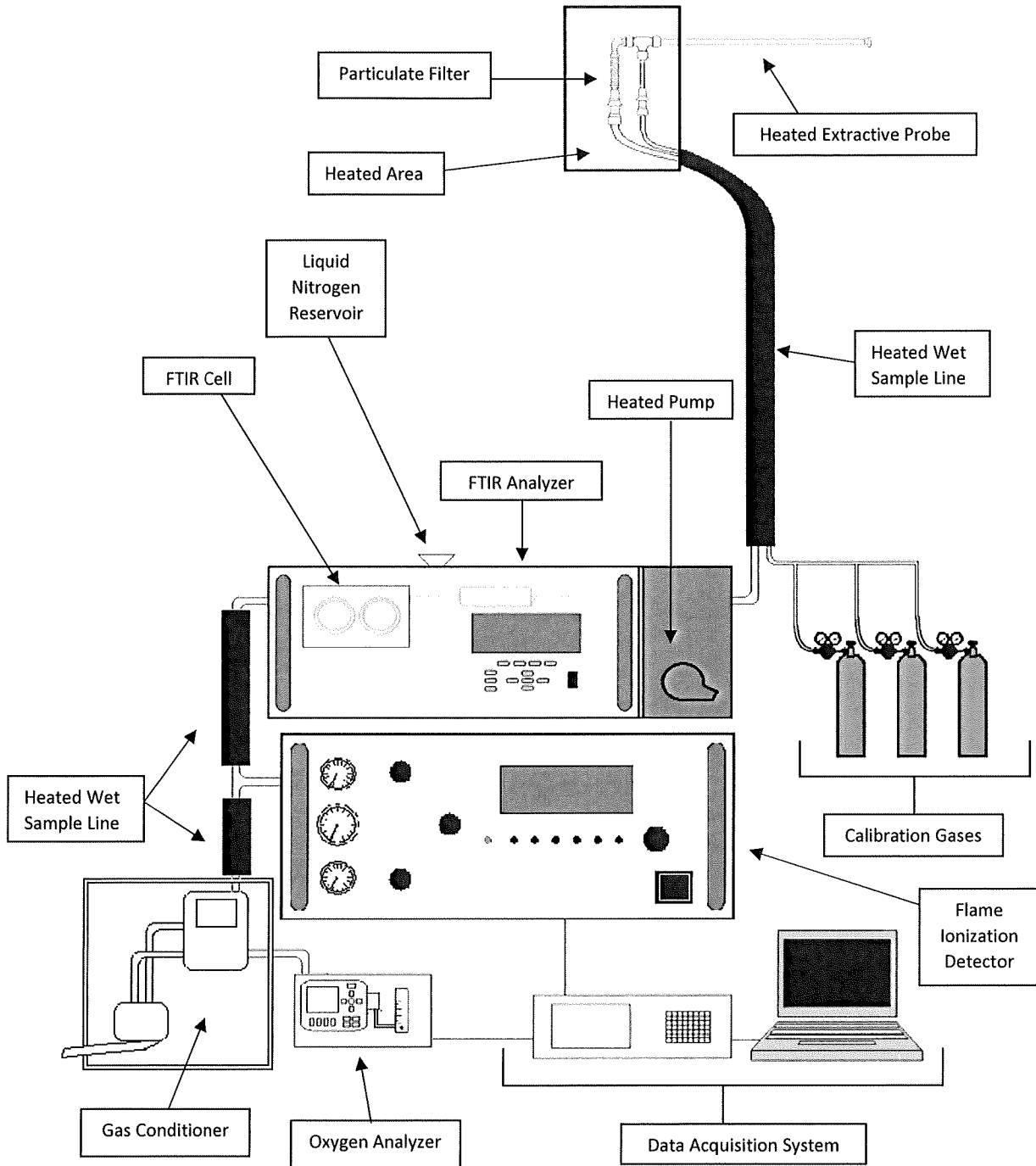
Downstream Disturbance: 3.440

No. Sample Points: 1

Port Length: 12.25 Inches

Appendix C - Sample Train Diagram

USEPA Methods 3A, 25A, and 320 – Sample Train Diagram



Appendix D - Calculation Nomenclature and Formulas