



**Ammonia, Nitrogen Oxides, Carbon Monoxide, Sulfur
Dioxide, Total Particulate Matter, and Sulfuric Acid
Emissions Compliance
Test Report**

**New Covert Generating Company, LLC
New Covert Generating Facility
EU-TURBINE3/DB3 Stack
Covert, Michigan
May 10, 2019**

**Report Submittal Date
July 22, 2019**

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Mostardi Platt

Project No. M190212AR1

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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 EU-TURBINE3/DB3 Stack. This report summarizes the results of the test program and test methods used. The test location, test date, and test parameters are summarized below.

TEST INFORMATION			
Test Location	Test Date	Test Parameter	Test Method
EU-TURBINE3/DB3 Stack	May 10, 2019	Volumetric Flow Rate	Method 1 and Method 2
		Carbon Dioxide (CO ₂) and Oxygen (O ₂)	Method 3A
		Nitrogen Oxides (NO _x)	Method 7E
		Carbon Monoxide (CO)	Method 10
		Ammonia (NH ₃)	Method 320
		Moisture (H ₂ O)	Method 320
		Volatile Organic Compounds (VOC)	Method 25A
		Total Particulate Matter (TPM)	Method 5 and Method 202
		Sulfuric Acid (H ₂ SO ₄)	Conditional Test Method 013 (CTM-013)

New Covert owns and operates the New Covert Generating Facility located at 26000 77th Street in Covert, Michigan. The facility consists of three natural gas-fired Mitsubishi 501G turbines with heat recovery steam generators (HRSGs), designated as Emission Unit (EU) EU-TURBINE1, EU-TURBINE2 and EU-TURBINE3. Each HRSG contains a duct burner designated as EU-DB1, EU-DB2 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 compliance emission limits in accordance with the Mostardi Platt Emission Test Protocol M190211 Rev. 1 dated February 21, 2019. 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 Condition	Test Parameter	Measured Concentration	Emission Limit
100% Load with Duct Burners On	NO _x	1.6 ppmvd @ 15% O ₂	2.0 ppmvd @ 15% O ₂
		17.4 lb/hr	22.4 lb/hr
	CO	<0.2 ppmvd	2.0 ppmvd
	TPM*	8.657 lb/hr	10.7 lb/hr
	SO ₂ **	0.0004 lb/mmBTU	0.060 lb/mmBTU
	H ₂ SO ₄	0.05 lb/hr	1.0 lb/hr
	NH ₃ ppmvd @ 15% O ₂	2.5 ppmvd @ 15% O ₂	10 ppmvd @ 15% O ₂
	VOC	1.4 lb/hr	7.7 lb/hr

* All Particulate Collected was considered less than 2.5

** 100% conversion of sulfur in fuel to SO₂ was assumed for calculations

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 Representative	Mostardi Platt 888 Industrial Drive Elmhurst, Illinois 60126	Mr. John Nestor Project Manager 630-993-2100 (phone) jnestor@mp-mail.com

The test crew consisted of J. Kukla, B. Garcia, C. Menet B. Hendricks, 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. Plant Operating Data can be found in Appendix A. Schematics of the test section diagram and sampling train used are included in Appendix B and C, respectively. Calculation examples and nomenclature are included in Appendix D and reference method data are found in Appendix E. Copies of analyzer QA/QC are found in Appendix F.

The following methodologies were used during the test program:



Method 1 Traverse Point Determination

Test measurement points were selected in accordance with Method 1. The characteristics of the measurement location are summarized below.

TEST POINT INFORMATION						
Location	Diameter (Feet)	Area (Square Feet)	Upstream Distance (Inches)	Downstream Distance (Inches)	Test Parameter	Number of Sampling Points
EUTURBINE3 /DB3 - Stack	22.1	383.6	>0.5	>2.0	TPM	12
					NO _x /CO/VOC /O ₂ /CO ₂	12 (strat)
					Volumetric Flow	16
					H ₂ SO ₄	1

A null point pitot traverse check was performed utilizing a Type S pitot tube prior to any testing to verify the absence of cyclonic flow at each test location per USEPA Method 1, Section 11.4. The null point at the test location averaged 8.6 degrees which meets the requirements. The results can be found in Appendix E.

Method 2 Volumetric Flowrate Determination

Gas velocity was measured following Method 2, for purposes of calculating stack gas volumetric flow rate. An S-type pitot tube, differential pressure gauge, Thermocouple and temperature readout were used to determine gas velocity at each sample point. All of the equipment used was calibrated in accordance with the specifications of the Method. Calibration data are presented in Appendix F.

Method 3A Oxygen (O₂)/Carbon Dioxide (CO₂) Determination

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

Flue gas carbon dioxide concentrations and emission rates were determined in accordance with Method 3A. An MKS MultiGas 2030 FTIR spectrometer was used to determine the CO₂ concentrations at the stack, in the manner specified in the Method. Nitrogen content was determined from the difference of CO₂ and O₂.

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 4 Moisture Determination

Method 4 allows for the use of FTIR to measure moisture content of the stack effluent as stated in USEPA Method 320, 40CFR63, Appendix A.

Method 5 Particulate Determination

Stack gas particulate concentrations and emission rates were determined in accordance with Method 5, 40 CFR, Part 60, Appendix A at the test location. An Environmental Supply Company, Inc. sampling train was used to sample stack gas at an isokinetic rate, as specified in the Method. Particulate matter in the sample probe was recovered using an acetone rinse. The probe wash and filter catch were analyzed by Mostardi Platt in accordance with the Method in the Elmhurst, Illinois laboratory. Laboratory data are found in Appendix G. All of the equipment used was calibrated in accordance with the specifications of the Method. Field data sheets are provided in Appendix H and calibration data are presented in Appendix F.

Method 7E Nitrogen Oxide (NO_x) Determination

Flue gas nitrogen oxide concentrations and emission rates were determined in accordance with Method 7E. An MKS MultiGas 2030 FTIR spectrometer was used to determine nitrogen oxide concentrations at the stack, in the manner specified in the Method.

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.

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 I. All data was corrected using the oxygen determined from the method 3A sampling. Emission rates were determined using the method 2 volumetric flow determination.

Method 10 Carbon Monoxide (CO) Determination

Flue gas carbon monoxide concentrations and emission rates were determined in accordance with Method 10. An MKS MultiGas 2030 FTIR spectrometer was used to determine carbon monoxide concentrations at the stack, in the manner specified in the Method.

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.

Conditional Test Method 013 Sulfuric Acid Mist Determination

Stack gas sulfuric acid mist (SAM) concentrations and emission rates were determined in accordance with USEPA Conditional Test Method 013 (CTM-013). An Environmental Supply Company, Inc. sampling train was used to sample stack gas at a constant rate of approximately 0.3 cubic feet per minute.

The Flue Gas was extracted through a heated quartz-lined probe with a heated quartz thimble for removal of particulate matter. Probe temperatures were maintained at 600 °F +/-25 °F, and filter housing temperatures were maintained at 550 °F +/-25 °F. SO₃ was then collected as the sample gas passed through a hot water condenser followed by a high purity quartz filter maintained at a temperature range of 140 °F +/-9 °F. The sample train was then passed through hydrogen peroxide impingers to remove any excess moisture. The impingers were placed in an ice bath to



maintain the exit gas from the last impinger containing silica gel below 68 °F. Maintaining the temperature increases the efficiency of the silica gel in drying the metered gas. A leak check of the entire sample train was performed at a vacuum greater than the sampling vacuum after each sampling run to determine if any leakage had occurred during the test run. A leakage rate not in excess of 2% of the average sampling rate is considered acceptable.

All samples were analyzed in the Elmhurst lab by ion chromatography (IC). The IC has a column that separates ions that are then detected by conductivity changes. The time it takes (retention time) for an ion to elute is indicative of its identity. The level of conductivity related to the concentration of the ion. The ppm Sulfate obtained for the samples were corrected for the sample dilution, the total volume of the coil solution and the gravimetric factor of Sulfur Trioxide/Sulfate.

Method 202 Condensable Particulate Determination

Stack gas condensable particulate matter concentrations and emission rates were determined in accordance with USEPA Method 202, in conjunction with Method 5 filterable particulate sampling. This method applies to the determination of condensable particulate matter (CPM) emissions from stationary sources. It is intended to represent condensable matter as material that condenses after passing through a filter and as measured by this method.

The CPM was collected in the impinger portion of the Method 5 (Appendix A, 40CFR60) type sampling trains. The impinger contents were immediately purged after each run with nitrogen (N₂) to remove dissolved sulfur dioxide (SO₂) gases from the impinger contents. The impinger solution was then extracted with hexane. The organic and aqueous fractions were then taken to dryness and the residues weighed. A correction was made for any ammonia present due to laboratory analysis procedures. The total of both fractions represents the CPM.

All sample recovery was performed at the test site by the test crew. Mostardi Platt personnel at the laboratory in Elmhurst, Illinois, performed all final particulate sample analyses. Laboratory data are found in Appendix G. All of the equipment used was calibrated in accordance with the specifications of the Method. Calibration data are presented in Appendix F.

Method 320 Fourier Transform Infrared (FTIR) Detector Multi-Gas Determination

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 ammonia and moisture concentrations. 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.



The FTIR was equipped with a temperature-controlled, 5.11 meter multi-pass gas cell maintained at 191°C. Gas flows and sampling system pressures were monitored using a rotameter and pressure transducer. All data was collected at 0.5 cm⁻¹ resolution. Each spectrum was derived from the coaddition of 64 scans, with a new data point generated approximately every one minute. Analyzer data for each run is presented in Appendix E.

SAMPLING SYSTEM PARAMETERS				
MKS Serial #	Sampling Line	Probe Assembly	Particulate Filter Media	Operating Temperatures
019088128	100' 3/8" dia., heated Teflon	Heated 3', 3/8" dia. SS	0.01μ heated borosilicate glass fiber	191°C

QA/QC procedures followed US EPA Method 320. See below for QA/QC procedure details and list of calibration gas standards. All calibration gases were introduced to the analyzer and the sampling system using an instrument grade stainless steel rotameter. All QA/QC procedures were within the acceptance criteria allowance of the applicable EPA methodology. See Appendix F for FTIR QA/QC Data.

FTIR QA/QC PROCEDURES						
QA/QC Specification	Purpose	Calibration Gas Analyte	Delivery	Frequency	Acceptance Criteria	Result
M320: Zero	Verify that the FTIR is free of contaminants & zero the FTIR	Nitrogen (zero)	Direct to FTIR	pre/post test	< MDL or Noise	Pass
M320: Calibration Transfer Standard (CTS) Direct	Verify FTIR stability, confirm optical path length	Ethylene	Direct to FTIR	pretest	+/- 5% cert. value	Pass
M320: Analyte Direct	Verify FTIR calibration	Ammonia, SF6	Direct to FTIR	pretest	+/- 5% cert. value	Pass
M320: CTS Response	Verify system stability, recovery, response time	Ethylene	Sampling System	Daily, pre/post test	+/- 5% of Direct Measurement	Pass
M320: Zero Response	Verify system is free of system bias	Nitrogen (zero)	Sampling System	pretest	Bias correct data	Pass
M320: Analyte Spike	Verify system ability to deliver and quantify analyte of interest in the presence of effluent gases	Ammonia, SF6	Dynamic Addition to Sampling System, 1:10 effluent	Throughout testing – daily	+/- 30% theoretical recovery	Pass

Note: The determined concentrations from direct analyses were used in all system/spike recovery calculations.



CALIBRATION GAS STANDARDS				
Components	Concentration (ppm)	Vendor	Cylinder #	Standard Type
Ethylene	98.20	Airgas	ALM-047083	Primary +/- 2%
NH ₃	99.47	Airgas	CC159613	Certified Standard-Spec +/- 5%
Nitrogen	Zero Gas	Airgas	N/A	UHP Grade

Analyte Spiking

Ammonia spiking was performed prior to testing to verify the ability of the sampling system to quantitatively deliver a sample containing reactive analytes of interest from the base of the probe to the FTIR. Analyte spiking assures the ability of the FTIR sampling system to recover volatile organics in the presence of effluent gas.

As part of the spiking procedure, samples were measured to determine ammonia concentrations to be used in the spike recovery calculations. The analyte spiking gases contained a low concentration of sulfur hexafluoride (SF₆). The determined SF₆ concentration in the spiked sample was used to calculate the dilution factor of the spike and thus used to calculate the concentration of the spiked acetaldehyde and methanol. The spike target dilution ratio was 1:10 or less.

The following equation illustrates the percent recovery calculation.

$$DF = \frac{SF_6(spik)}{SF_6(direct)} \quad (\text{Sec. 9.2.3 (3) USEPA Method 320})$$

$$CS = DF * Spike(dir) + Unspike(1 - DF) \quad (\text{Sec. 9.2.3 (4) USEPA Method 320})$$

- DF = Dilution factor of the spike gas
- SF_{6(dir)} = SF₆ concentration measured directly in undiluted spike gas
- SF_{6(spik)} = Diluted SF₆ concentration measured in a spiked sample
- Spike_{dir} = Concentration of the analyte in the spike standard measure by the FTIR directly
- CS = Expected concentration of the spiked samples
- Unspike = Native concentration of analytes in unspiked samples

Post Collection Data Validation

As part of the data validation procedure, reference spectra are manually fit to that of the sample spectra and a concentration is determined. The reference spectra are scaled to match the peak amplitude of the sample, thus providing a scale factor. The scale factor multiplied by the reference spectra concentration is used to determine the concentration value for the sample spectra. Sample pressure and temperature corrections are then applied to compute the final sample concentration. The manually calculated results are then compared with the software-generated results. The data is then validated if the two concentrations are within ± 20% agreement. If there is a difference greater than ± 20% the spectra are reviewed for possible spectra interferences or any other possible causes leading to incorrectly quantified data.



Detection Limit

The detection limit of each analyte was calculated following Annex A2 of ASTM D6348-12 procedure using spectra that contained similar amounts of moisture and carbon dioxide.

Analyte	Detection Limit (ppmv wet)	Detection Limit (%v)
Nitrogen Monoxide	0.2	-
Nitrogen Dioxide	0.2	-
Carbon Monoxide	0.2	-
Moisture	-	0.1

QA/QC data are found in Appendix F. Copies of gas cylinder certifications are found in Appendix I. All concentration data were recorded on a wet, volume basis. The sample and data collection followed the procedures outlined in Method 320.

Fuel Gas Analysis

Samples of the pipeline natural gas used as fuel at New Covert Generating Station were taken in 300 ml gas sampling bulbs and submitted to Gas Technology Institute of Des Plaines, Illinois for analysis. The sample was analyzed for Trace Sulfur Content by gas chromatography and in accordance with ASTM D6228. A conversion rate of 100% was assumed for all sulfur to SO₂ in the turbine.



3.0 TEST RESULT SUMMARY

Covert Generating Company New Covert Generating Facility HRSG 03 Stack Summary Gaseous Summary Full Load With Duct Burners On											
Test No.	Date	Start Time	End Time	NO _x ppmvw	CO ppmvw	CO ₂ % (dry)	O ₂ Outlet % (dry)	Moisture, %	Flowrate, DSCFM	Flowrate, SCFM	NH ₃ (ppmv wet)
1	05/10/19	16:40	17:40	2.0	< 0.2	4.9	12.9	8.7	1,070,815	1,172,853	3.7
2	05/10/19	18:07	19:07	2.0	< 0.2	5.0	12.8	8.7	1,075,881	1,178,402	3.8
3	05/10/19	20:30	21:30	2.1	< 0.2	5.0	12.9	8.7	1,091,168	1,195,146	3.8
Average				2.0	< 0.2	5.0	12.9	8.7	1,079,288	1,182,134	3.8

Emission Rate Summary									
Test No.	Date	Start Time	End Time	Fd Factor, dscf/MMBtu	Fd Factor, dscf/MMBtu	CO ppmvd	NO _x ppmvd @ 15% O ₂	NH ₃ (ppmvd @15% O ₂)	NOx lb/hr
1	05/10/19	16:40	17:40	9,780.0	8,710.0	< 0.2	1.6	2.5	16.8
2	05/10/19	18:07	19:07	9,780.0	8,710.0	< 0.2	1.6	2.5	16.9
3	05/10/19	20:30	21:30	9,780.0	8,710.0	< 0.2	1.7	2.6	18.0
Average				9,780.0	8,710.0	< 0.2	1.6	2.5	17.4

New Covert Generating Company, LLC New Covert Generating Facility EU- Turbine 3/DB3 Stack 100% with Duct Burners On May 10, 2019													
Gaseous Phase SO ₂ as H ₂ SO ₄ , 80% IPA Condenser Coil (analyzed by IC)													
Test No.	Start Time	End Time	mg	Vm(std) ft ³	Fuel Factor Fc (dscf/mmBtu)	Fuel Factor Fd (dscf/mmBtu)	CO ₂ % dry	O ₂ % dry	Volumetric Flow Rate, dscfm	C SO ₂ as H ₂ SO ₄ (lbs/dscf)	ppm SO ₂ as H ₂ SO ₄	lb/hr SO ₂ as H ₂ SO ₄	lb/mmBtu SO ₂ as H ₂ SO ₄ (Fc Factor)
1	15:30	16:30	0.0068	21.090	1,040	8,710	4.9	12.9	1,172,853	7.11E-10	0.00	0.05	0.000015
2	16:50	17:50	0.0059	21.265	1,040	8,710	5.0	12.8	1,178,402	6.12E-10	0.00	0.04	0.000013
3	18:07	19:07	0.0063	21.040	1,040	8,710	5.0	12.9	1,195,146	6.61E-10	0.00	0.05	0.000014
Average			0.0063	21.132	1,040	8,710	5.0	12.9	1,182,134	6.61E-10	0.00	0.05	0.000015

New Covert Generating Company, LLC New Covert Generating Station EUTURBINE3/DB3 Stack VOC Summary - Full Load With Duct Burners											
Test No.	Date	Start Time	End Time	CO ₂ % (wet)	Flowrate, SCFM	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 lb/mmBtu	VOC lb/hr
1	05/10/19	16:40	17:39	4.5	1,172,853	1.2	0.2	0.2	0.6	0.00058	1.8
2	05/10/19	18:07	19:06	4.5	1,178,402	1.4	0.3	0.4	0.3	0.00029	0.9
3	05/10/19	20:30	21:29	4.5	1,195,146	1.3	0.2	0.3	0.5	0.00048	1.5
Average				4.5	1,182,134	1.3	0.2	0.3	0.5	0.00045	1.4



Source Condition	100% with Duct Burners On			
	Date	5/10/19	5/10/19	5/10/19
	Start Time	15:30	18:05	20:30
	End Time	17:40	20:14	22:39
	Run 1	Run 2	Run 3	Average
Stack Conditions				
Average Gas Temperature, °F	196.5	194.2	194.1	194.9
Flue Gas Moisture, percent by volume	7.9%	8.1%	7.3%	7.8%
Average Flue Pressure, in. Hg	29.33	29.33	29.33	29.33
Gas Sample Volume, dscf	91.836	92.218	92.504	92.186
Average Gas Velocity, ft/sec	66.919	66.981	67.078	66.993
Gas Volumetric Flow Rate, acfm	1,540,202	1,541,628	1,543,846	1,541,892
Gas Volumetric Flow Rate, dscfm	1,118,673	1,121,131	1,131,982	1,123,929
Gas Volumetric Flow Rate, scfm	1,214,486	1,219,792	1,221,780	1,218,686
Average %CO ₂ by volume, dry basis	5.1	5.1	5.1	5.1
Average %O ₂ by volume, dry basis	12.7	12.7	12.7	12.7
Isokinetic Variance	101.3	101.5	100.8	101.2
Filterable Particulate Matter (Method 5)				
grams collected	0.00332	0.00296	0.00455	0.00361
grains/acf	0.0004	0.0004	0.0006	0.0005
grains/dscf	0.0006	0.0005	0.0008	0.0006
lb/hr	5.349	4.759	7.364	5.824
Condensable Particulate Matter (Method 202)				
grams collected	0.00206	0.00134	0.00187	0.00176
grains/acf	0.0003	0.0002	0.0002	0.0002
grains/dscf	0.0003	0.0002	0.0003	0.0003
lb/hr	3.319	2.155	3.026	2.833
Total Particulate Matter (5/202)				
grams collected	0.00538	0.00430	0.00642	0.00537
grains/acf	0.0007	0.0006	0.0008	0.0007
grains/dscf	0.0009	0.0007	0.0011	0.0009
lb/hr	8.668	6.914	10.390	8.657



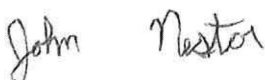
4.0 CERTIFICATION

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.

CERTIFICATION

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



Eric L. Ehlers Quality Assurance



APPENDICES



Appendix A – Plant Operating Data

	GT Load %	GT MWs	ST MWs	GT Fuel MSCF	D/B Fuel MSCF	Total Fuel Flow MSCF
	<u>3CEM-DCS76</u>	<u>03RCAODINA201</u>	<u>03RCAODSE0201</u>	<u>3FGS-FI157</u>	<u>3FGS-FI160</u>	
10-May-19 16:40:00	94.4940033	264.1199951	142.7490234	2424.95459	127.9599915	2552.914581
10-May-19 16:41:00	94.67776489	264.1799927	142.6879883	2426.112305	130.4381104	2556.550415
10-May-19 16:42:00	94.67893219	263.4599915	142.7185059	2426.939697	134.5941925	2561.53389
10-May-19 16:43:00	94.47827148	263.6699829	142.855835	2418.432617	138.6886597	2557.121277
10-May-19 16:44:00	94.53604126	263.4299927	142.7185059	2413.067871	140.5035248	2553.571396
10-May-19 16:45:00	94.56402588	263.7600098	142.7032471	2415.20752	140.729538	2555.937057
10-May-19 16:46:00	94.54727173	263.0400085	142.7337646	2415.417236	137.3640137	2552.78125
10-May-19 16:47:00	94.78500366	263.4000244	142.779541	2421.953369	133.3757019	2555.329071
10-May-19 16:48:00	94.71669769	263.0999756	143.0084229	2419.251465	129.6738434	2548.925308
10-May-19 16:49:00	94.45632172	262.7999878	142.8100586	2413.987305	128.1470642	2542.134369
10-May-19 16:50:00	94.61778259	263.3399963	142.7185059	2418.047852	127.8809967	2545.928848
10-May-19 16:51:00	94.73215485	263.2799988	142.6422119	2423.865967	130.6804504	2554.546417
10-May-19 16:52:00	94.6531601	263.4899902	142.7185059	2421.299561	134.7346191	2556.03418
10-May-19 16:53:00	94.81433105	263.7600098	142.855835	2423.233887	138.7077179	2561.941605
10-May-19 16:54:00	94.56134033	263.1900024	142.7185059	2421.602051	140.3591614	2561.961212
10-May-19 16:55:00	94.39208984	263.3699951	142.7032471	2422.562012	140.7331543	2563.295166
10-May-19 16:56:00	94.59142303	263.2200012	142.7185059	2414.499023	137.079361	2551.578384
10-May-19 16:57:00	94.54684448	263.1300049	142.7337646	2430.895508	132.9909973	2563.886505
10-May-19 16:58:00	94.59870148	263.0100098	142.6574554	2414.018311	129.3712769	2543.389587
10-May-19 16:59:00	94.49504089	262.8899841	142.6422119	2410.824707	127.887764	2538.712471
10-May-19 17:00:00	94.69622803	263.5800171	142.7947998	2422.592773	128.4367981	2551.029572
10-May-19 17:01:00	94.7066803	263.730011	142.779541	2417.980713	132.0263062	2550.007019
10-May-19 17:02:00	94.65839386	264.1500244	142.8100586	2422.438721	135.9874115	2558.426132
10-May-19 17:03:00	94.67529297	263.6699829	142.8710785	2417.324707	139.5121155	2556.836823
10-May-19 17:04:00	94.36634064	263.1600037	142.7185059	2413.570068	140.7604218	2554.33049
10-May-19 17:05:00	94.31856537	263.6100159	142.7185059	2422.967529	139.4799042	2562.447433
10-May-19 17:06:00	94.54653931	263.7900085	142.779541	2422.990967	135.351059	2558.342026
10-May-19 17:07:00	94.34012604	263.8499756	142.764267	2422.456787	131.4252167	2553.882004
10-May-19 17:08:00	94.47136688	263.8499756	142.7185059	2420.457031	128.6739044	2549.130936
10-May-19 17:09:00	94.55350494	263.1600037	142.7185059	2423.108643	127.9986725	2551.107315
10-May-19 17:10:00	94.477005	263.519989	142.6574554	2427.317383	128.9569244	2556.274307
10-May-19 17:11:00	94.47950745	263.5800171	142.855835	2414.907227	132.5284271	2547.435654
10-May-19 17:12:00	94.61287689	263.519989	142.779541	2428.800293	136.3928528	2565.193146
10-May-19 17:13:00	94.58065796	263.0100098	142.8100586	2411.889404	139.5756378	2551.465042
10-May-19 17:14:00	94.53497314	262.6799927	142.8863525	2427.658691	140.8834229	2568.542114
10-May-19 17:15:00	94.51464081	263.0999756	142.7490234	2412.301025	139.9006195	2552.201645
10-May-19 17:16:00	94.57562256	263.519989	142.764267	2419.461426	136.3162537	2555.777679
10-May-19 17:17:00	94.54718018	263.25	142.764267	2417.023193	132.3951569	2549.41835
10-May-19 17:18:00	94.50443268	263.0999756	142.8100586	2420.370117	129.1984711	2549.568588
10-May-19 17:19:00	94.6125946	263.8200073	142.779541	2417.871094	127.8760605	2545.747154
10-May-19 17:20:00	94.75676727	264.0599976	142.7032471	2422.595703	127.9757004	2550.571404
10-May-19 17:21:00	94.47467041	263.8200073	142.7490234	2422.046631	131.2205505	2553.267181
10-May-19 17:22:00	94.73409271	263.9400024	142.7185059	2427.656982	135.1458893	2562.802872
10-May-19 17:23:00	94.56417084	263.5499878	142.8863525	2421.984375	139.1752014	2561.159576
10-May-19 17:24:00	94.54521942	263.9400024	142.7185059	2419.570068	140.7198792	2560.289948
10-May-19 17:25:00	94.50120544	264.1799927	142.8253174	2416.356201	140.797699	2557.1539
10-May-19 17:26:00	94.22084808	263.5800171	142.6727295	2419.68457	137.3101807	2556.994751
10-May-19 17:27:00	94.51403809	264.4199829	142.779541	2429.114746	133.2227631	2562.337509
10-May-19 17:28:00	94.4862442	264.1799927	142.8710785	2418.678223	129.5834198	2548.261642
10-May-19 17:29:00	94.48491669	263.9700012	142.855835	2415.472656	128.008316	2543.480972
10-May-19 17:30:00	94.41249084	264.269989	142.7947998	2424.190186	127.734848	2551.925034
10-May-19 17:31:00	94.7067337	264.2999878	142.7947998	2425.48999	130.2399139	2555.729904
10-May-19 17:32:00	94.43981934	263.1900024	142.855835	2420.786133	133.8661346	2554.652267
10-May-19 17:33:00	94.56628418	264.2099915	142.8405762	2421.6521	137.5702057	2559.222305
10-May-19 17:34:00	94.68045044	264.5100098	142.8863525	2427.476318	140.018692	2567.49501
10-May-19 17:35:00	94.49738312	264.0899963	142.9321136	2418.111328	140.8405457	2558.951874
10-May-19 17:36:00	94.47312164	264.2399902	142.9626465	2422.213135	138.9139099	2561.127045
10-May-19 17:37:00	94.57919312	264.480011	142.9626465	2424.686768	134.9337616	2559.620529
10-May-19 17:38:00	94.57143402	264.269989	142.9321136	2433.754639	131.3065338	2565.061172
10-May-19 17:39:00	94.53179932	264.2999878	143.069458	2427.365967	128.5616302	2555.927597
10-May-19 17:40:00	94.44956207	264.3899841	143.0847168	2424.444092	127.8126373	2552.256729
Average	94.55574061	263.6586859	142.7917958	2421.032647	134.1071178	2555.139765

	GT Load %	GT MWs	ST MWs	GT Fuel MSCF	D/B Fuel MSCF	Total Fuel Flow MSCF
	3CEM-DCS76	03RCAODINA201	03RCAODSE0201	3FGS-FI157	3FGS-FI160	
10-May-19 18:07:00	94.56815338	264.3899841	143.0541992	2427.969971	140.39711	2568.367081
10-May-19 18:08:00	94.64169312	264.0899963	142.9168701	2426.001709	140.8984833	2566.900192
10-May-19 18:09:00	94.44498444	264.0299988	142.8863525	2420.649658	138.5790863	2559.228745
10-May-19 18:10:00	94.36688995	263.6399841	142.7337646	2420.382813	134.8797455	2555.262558
10-May-19 18:11:00	94.56642151	263.730011	142.97789	2423.05835	131.4620514	2554.520401
10-May-19 18:12:00	94.54962158	263.9100037	143.0084229	2409.650391	128.6339111	2538.284302
10-May-19 18:13:00	94.51039886	263.8800049	142.8863525	2415.982178	127.7531052	2543.735283
10-May-19 18:14:00	94.7131424	263.730011	142.855835	2419.705078	127.9136276	2547.618706
10-May-19 18:15:00	94.50180054	263.4899902	142.9931641	2428.008545	130.7442627	2558.752808
10-May-19 18:16:00	94.74864197	263.4599915	142.855835	2415.070801	134.381485	2549.452286
10-May-19 18:17:00	94.62730408	263.519989	142.9321136	2412.802246	138.3848267	2551.187073
10-May-19 18:18:00	94.60681915	263.730011	142.9473877	2408.685059	140.3677063	2549.052765
10-May-19 18:19:00	94.55882263	263.4599915	142.9168701	2414.394775	140.9937439	2555.388519
10-May-19 18:20:00	94.6042099	263.730011	142.779541	2417.234863	138.7288208	2555.963684
10-May-19 18:21:00	94.36130524	263.3699951	142.7032471	2409.133789	134.8323822	2543.966171
10-May-19 18:22:00	94.55885315	263.9700012	142.779541	2411.632813	131.3284149	2542.961227
10-May-19 18:23:00	94.53512573	264.0299988	142.855835	2420.1875	128.5370178	2548.724518
10-May-19 18:24:00	94.45272827	263.4299927	142.855835	2416.217285	127.7587662	2543.976051
10-May-19 18:25:00	94.4799118	263.8499756	142.9016113	2424.060791	128.5007324	2552.561523
10-May-19 18:26:00	94.68815613	264.1199951	142.855835	2418.258545	132.1143341	2550.372879
10-May-19 18:27:00	94.56521606	263.7900085	142.764267	2419.19751	136.04599	2555.2435
10-May-19 18:28:00	94.52674103	263.6699829	142.779541	2416.46167	139.4503632	2555.912033
10-May-19 18:29:00	94.60414124	264.3899841	142.855835	2425.06958	140.9251862	2565.994766
10-May-19 18:30:00	94.679245	264.5400085	142.7032471	2426.706055	140.206543	2566.912598
10-May-19 18:31:00	94.50569153	264.2399902	142.779541	2432.843994	136.3977203	2569.241714
10-May-19 18:32:00	94.41665649	264.1500244	142.6574554	2430.069336	132.405777	2562.475113
10-May-19 18:33:00	94.53871155	264.3300171	142.8253174	2428.766357	128.9681702	2557.734528
10-May-19 18:34:00	94.46588135	264.5100098	142.6574554	2427.196289	127.7645111	2554.9608
10-May-19 18:35:00	94.68505859	264.3300171	142.6422119	2432.318604	128.2546692	2560.573273
10-May-19 18:36:00	94.63494873	264.5400085	142.9931641	2422.728271	131.9402771	2554.668549
10-May-19 18:37:00	94.71154022	264.480011	143.0236816	2421.484619	135.9098663	2557.394485
10-May-19 18:38:00	94.53482819	264.6600037	142.9626465	2426.750732	139.6704254	2566.421158
10-May-19 18:39:00	94.5296402	264.1199951	143.0389252	2417.82251	140.7725067	2558.595016
10-May-19 18:40:00	94.46510315	264.2999878	142.9931641	2419.054932	140.1648102	2559.219742
10-May-19 18:41:00	94.55678558	264.269989	142.9321136	2419.429199	136.1797485	2555.608948
10-May-19 18:42:00	94.42459869	264.4199829	142.9321136	2419.414795	132.2140503	2551.628845
10-May-19 18:43:00	94.47279358	264.6600037	142.9168701	2420.650391	128.9924164	2549.642807
10-May-19 18:44:00	94.35094452	264.269989	143.0084229	2425.026855	127.8402634	2552.867119
10-May-19 18:45:00	94.48536682	264.5700073	142.8863525	2190.272705	128.4276581	2318.700363
10-May-19 18:46:00	94.67507172	264.6600037	143.0084229	1809.616699	131.7676849	1941.384384
10-May-19 18:47:00	94.64916992	264.3899841	142.9321136	1816.388184	135.7427216	1952.130905
10-May-19 18:48:00	94.80784607	264.6600037	143.069458	1812.822144	139.4723969	1952.29454
10-May-19 18:49:00	94.64955902	264.5400085	143.0084229	1811.383545	140.7546692	1952.138214
10-May-19 18:50:00	94.53475189	264.4199829	142.855835	1814.265259	140.2654266	1954.530685
10-May-19 18:51:00	94.52796936	264.1199951	142.8253174	1815.535034	136.2647552	1951.799789
10-May-19 18:52:00	94.61839294	264.6900024	142.764267	2473.755371	132.1467743	2605.902145
10-May-19 18:53:00	94.54359436	264.3899841	142.779541	2464.256592	128.870697	2593.127289
10-May-19 18:54:00	94.68666077	264.75	143.069458	2462.621338	127.6597977	2590.281136
10-May-19 18:55:00	94.57240295	264.7799988	142.855835	2467.13916	128.2948303	2595.43399
10-May-19 18:56:00	94.71526337	265.3499756	142.9321136	2469.215088	131.8752441	2601.090332
10-May-19 18:57:00	94.69483185	265.0800171	142.7185059	2460.355225	136.1252594	2596.480484
10-May-19 18:58:00	94.4681015	264.9899902	142.8253174	2424.578125	139.7480011	2564.326126
10-May-19 18:59:00	94.58177185	264.6600037	142.9931641	2424.047852	140.883316	2564.931168
10-May-19 19:00:00	94.53820038	264.75	143.1457367	2420.367676	140.1233063	2560.490982
10-May-19 19:01:00	94.39840698	264.5700073	143.0084229	2427.527588	135.9780121	2563.5056
10-May-19 19:02:00	94.41971588	264.5999756	143.1152344	2416.406494	131.9351196	2548.341614
10-May-19 19:03:00	94.48664856	265.1699829	142.9931641	2431.897461	128.5201569	2560.417618
10-May-19 19:04:00	94.5331955	264.480011	142.9931641	2424.503906	127.7449112	2552.248817
10-May-19 19:05:00	94.67147064	264.3600159	143.0084229	2426.567871	128.3898621	2554.957733
10-May-19 19:06:00	94.55128479	264.8099976	143.1457367	2425.378662	132.0496979	2557.42836
10-May-19 19:07:00	94.81919098	264.9000244	143.0236816	2420.942627	136.4251556	2557.367783
Average	94.56364553	264.2773758	142.9036092	2362.293827	134.1107928	2496.40462

	GT Load %	GT MWs	ST MWs	GT.Fuel/MSCF	D/B Fuel MScF	Total Fuel Flow MScF
	3CEM-DC576	03RCAODINA201	03RCAOD5E0201	3FGS-FI157	3FGS-FI160	
10-May-19 20:30:00	94.69134521	264.2070007	143.1182861	2435.427002	133.2975464	2568.724548
10-May-19 20:31:00	94.59127808	264.4440002	142.8710938	2439.573242	137.6192932	2577.192535
10-May-19 20:32:00	94.62397003	264.6419983	142.939743	2442.935059	140.75354	2583.688599
10-May-19 20:33:00	94.76043701	264.2909851	142.9412689	2440.400391	140.8117371	2581.212128
10-May-19 20:34:00	94.69335175	264.3240051	143.0145264	2423.380615	138.803772	2562.184387
10-May-19 20:35:00	94.70001221	264.4259949	142.9534912	2416.437744	134.537323	2550.975067
10-May-19 20:36:00	94.52983093	264.0780029	143.0221558	2420.479248	130.8033905	2551.282639
10-May-19 20:37:00	94.61029816	264.0180054	143.0419769	2423.401367	127.985611	2551.386978
10-May-19 20:38:00	94.62493896	264.2369995	142.9931641	2417.669434	127.7695465	2545.438898
10-May-19 20:39:00	94.61952972	264.1650085	143.0358734	2417.124268	129.4713745	2546.595642
10-May-19 20:40:00	94.71427917	264.3450012	143.1289673	2426.790527	133.0513611	2559.841888
10-May-19 20:41:00	94.69454956	264.4649963	143.1411591	2423.155273	137.3300323	2560.485306
10-May-19 20:42:00	94.69988251	264.7860107	143.3379974	2430.904785	140.8026123	2571.707397
10-May-19 20:43:00	94.54722595	264.7080078	143.2220459	2420.206543	135.3442078	2555.550751
10-May-19 20:44:00	94.51652527	264.4349976	143.2967987	2418.240234	129.5638428	2547.804077
10-May-19 20:45:00	94.5742569	264.888031	143.3029175	1811.373047	137.7501678	1949.123215
10-May-19 20:46:00	94.48274994	264.6839905	143.3074951	1804.407227	140.5672913	1944.974518
10-May-19 20:47:00	94.44682312	264.7919922	143.0892944	1807.786621	136.9473267	1944.733948
10-May-19 20:48:00	94.44477081	264.7890015	143.1487885	1805.550049	130.2918396	1935.841888
10-May-19 20:49:00	94.38527679	265.0289917	143.1594696	1811.293823	127.9542389	1939.248062
10-May-19 20:50:00	94.50823975	265.0710144	143.0847168	1816.366211	132.8058777	1949.172089
10-May-19 20:51:00	94.56652069	264.6749878	143.296814	1810.218506	139.9371338	1950.15564
10-May-19 20:52:00	94.4910202	264.1829834	143.2769775	2437.414551	139.5003662	2576.914917
10-May-19 20:53:00	94.54872894	264.6149902	143.1533661	2447.20166	132.4633484	2579.665009
10-May-19 20:54:00	94.53890991	264.6000061	143.1609955	2449.677002	127.801651	2577.478653
10-May-19 20:55:00	94.48188019	264.3600159	143.1472626	2445.63916	130.3572845	2575.996445
10-May-19 20:56:00	94.54395294	264.5310059	143.2754517	2449.707275	138.8796539	2588.586929
10-May-19 20:57:00	94.49044037	264.743988	143.1655884	2426.984375	140.4278564	2567.412231
10-May-19 20:58:00	94.35334015	264.9060059	143.0999756	2418.464111	134.0076904	2552.471802
10-May-19 20:59:00	94.53541565	264.8370056	143.3181763	2425.770508	127.8910217	2553.66153
10-May-19 21:00:00	94.58985138	265.1309814	143.1518402	2426.618164	129.4418335	2556.059998
10-May-19 21:01:00	94.49604797	264.8999939	143.2403412	2428.774902	138.314209	2567.089111
10-May-19 21:02:00	94.3394165	264.8339844	143.2281494	2422.835205	140.5072937	2563.342499
10-May-19 21:03:00	94.43017578	264.8670044	143.3029022	2422.911377	134.030304	2556.941681
10-May-19 21:04:00	94.34534454	264.9150085	143.2983398	2420.177002	127.8518372	2548.028839
10-May-19 21:05:00	94.40408325	264.8670044	143.1472626	2424.416016	129.9231567	2554.339172
10-May-19 21:06:00	94.45949554	264.927002	143.3044281	2428.438965	138.4563293	2566.895294
10-May-19 21:07:00	94.34736633	264.7019958	143.1564178	2422.557129	140.4642181	2563.021347
10-May-19 21:08:00	94.41511536	264.611969	143.0999756	2423.269043	133.7485352	2557.017578
10-May-19 21:09:00	94.22036743	264.5549927	143.0175781	2422.044434	127.8361206	2549.880554
10-May-19 21:10:00	94.44007111	264.92099	143.0725098	2428.950684	129.6314087	2558.582092
10-May-19 21:11:00	94.49751282	264.9509888	143.0084229	2419.941406	138.5646973	2558.506104
10-May-19 21:12:00	94.45101166	264.4199829	142.9962158	2414.530518	140.3477173	2554.878235
10-May-19 21:13:00	94.39875793	264.6419983	142.8512573	2424.70459	133.3649292	2558.069519
10-May-19 21:14:00	94.47343445	264.9509888	142.8634644	2428.498535	127.5813599	2556.079895
10-May-19 21:15:00	94.32847595	264.6059875	142.8649902	2425.043457	131.0269623	2556.070419
10-May-19 21:16:00	94.15072632	264.9599915	142.965683	2415.30127	139.8491516	2555.150421
10-May-19 21:17:00	94.20754242	264.6269836	143.1320038	2417.927734	139.4855347	2557.413269
10-May-19 21:18:00	94.30272675	264.8909912	143.0343475	2420.531738	131.2104187	2551.742157
10-May-19 21:19:00	94.28938293	264.9329834	143.1304779	2425.009033	127.5048599	2552.513893
10-May-19 21:20:00	94.33650208	265.0019836	143.1732178	2428.375244	133.6091461	2561.98439
10-May-19 21:21:00	94.35868835	264.821991	143.1594849	2427.789063	140.2856903	2568.074753
10-May-19 21:22:00	94.19400024	264.4769897	143.0007935	2418.973633	137.1746216	2556.148254
10-May-19 21:23:00	94.38859558	264.7739868	142.9885864	2420.564453	128.8439484	2549.408401
10-May-19 21:24:00	94.34255981	264.7770081	143.0908203	2419.718262	128.2290649	2547.947327
10-May-19 21:25:00	94.36377716	264.8999939	143.1335297	2420.942383	136.8518066	2557.794189
10-May-19 21:26:00	94.26303101	264.8399963	143.182373	2417.689453	140.5069275	2558.196381
10-May-19 21:27:00	94.22175598	264.7409973	143.1533661	2417.100098	133.933197	2551.033295
10-May-19 21:28:00	94.36560059	264.8280029	142.9672241	2426.916504	127.7231369	2554.639641
10-May-19 21:29:00	94.46083832	264.8789978	143.0206299	2416.638916	130.5831451	2547.222061
10-May-19 21:30:00	94.43659973	264.6390076	143.0130005	2422.643066	139.5541077	2562.197174

Average	94.46440387	264.6748492	143.1114012	2355.144461	134.2944854	2489.438947
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	GT Load %	GT MWs	ST MWs	GT Fuel MSCF	D/B Fuel MSCF	Total Fuel Flow MSCF
	3CEM-DC576	03RCAODINA201	03RCAODSE0201	3FGS-FI157	3FGS-FI160	
10-May-19 15:30:00	94.5447998	263.5830078	139.956665	2422.606445	135.0859375	2557.692383
10-May-19 15:31:00	94.79133606	264.0419922	140.306076	2420.384277	133.7316742	2554.115952
10-May-19 15:32:00	94.69068146	264.1529846	140.222168	2432.145996	132.2426147	2564.388611
10-May-19 15:33:00	94.72303009	263.8859863	140.2999878	2422.212646	131.0702209	2553.282867
10-May-19 15:34:00	94.66038513	263.7630005	140.1489258	2421.467041	129.762085	2551.229126
10-May-19 15:35:00	94.78490448	264.0660095	140.2938843	2419.238281	128.7358856	2547.974167
10-May-19 15:36:00	94.6099472	263.5229797	140.1229858	2418.153809	128.309845	2546.463654
10-May-19 15:37:00	94.62941742	263.5800171	140.032959	2417.553955	127.8795471	2545.433502
10-May-19 15:38:00	94.72750854	263.3399963	140.3045502	2423.495117	128.0752106	2551.570328
10-May-19 15:39:00	94.7410965	263.4989929	140.2832031	2427.838867	128.1317749	2555.970642
10-May-19 15:40:00	94.66608429	263.519989	140.1062012	2410.716064	129.028595	2539.744659
10-May-19 15:41:00	94.79566956	263.8079834	140.045166	2416.710449	130.1330719	2546.843521
10-May-19 15:42:00	94.75917053	263.9729919	140.0787354	2416.535645	131.7308502	2548.266495
10-May-19 15:43:00	94.70663452	263.3850098	139.9673462	2418.401367	133.5086212	2551.909988
10-May-19 15:44:00	94.66526031	263.5619812	139.8925781	2415.814697	135.4456024	2551.2603
10-May-19 15:45:00	94.79627991	263.6790161	139.8849487	2419.337646	137.2391663	2556.576813
10-May-19 15:46:00	94.56604004	263.2829895	139.6453857	2421.572266	139.0795135	2560.651779
10-May-19 15:47:00	94.67897797	263.42099	139.6224976	2426.111572	140.2929993	2566.404572
10-May-19 15:48:00	94.48085785	263.0939941	139.3157959	2407.01416	140.6333313	2547.647491
10-May-19 15:49:00	94.71574402	264.0150146	139.2990112	2426.597656	140.8608704	2567.458527
10-May-19 15:50:00	94.81091309	263.8049927	139.0991211	2422.016113	139.8957367	2561.91185
10-May-19 15:51:00	94.62614441	263.5379944	138.9389038	2434.871094	137.9686432	2572.839737
10-May-19 15:52:00	94.68224335	264.2909851	138.9328003	2443.24707	135.683197	2578.930267
10-May-19 15:53:00	94.7914505	263.802002	138.3880463	2442.625977	132.9829102	2575.608887
10-May-19 15:54:00	94.49189758	263.3370056	138.858017	2438.990234	130.6261902	2569.616425
10-May-19 15:55:00	94.59519958	263.9849854	139.2578125	2447.941895	128.612793	2576.554688
10-May-19 15:56:00	94.5296402	263.6340027	139.7537231	2438.48291	128.0345306	2566.517441
10-May-19 15:57:00	94.74187469	264.0449829	140.1306152	2442.993164	127.9684601	2570.961624
10-May-19 15:58:00	94.70243835	263.6699829	140.3213501	1808.24231	129.5183563	1937.760666
10-May-19 15:59:00	94.59075928	263.3580017	140.8035278	1813.69043	132.3025208	1945.99295
10-May-19 16:00:00	94.74266052	263.6579895	141.0400391	1813.512085	135.4959869	1949.008072
10-May-19 16:01:00	94.70041656	263.7210083	141.3848877	1811.406494	138.8522339	1950.258728
10-May-19 16:02:00	94.64665222	263.8199768	141.6122284	1807.882935	140.5598145	1948.442749
10-May-19 16:03:00	94.4931488	263.5379944	142.0410156	1803.398193	140.757843	1944.156036
10-May-19 16:04:00	94.57809448	263.0580139	142.1585083	2436.470215	139.4055939	2575.875809
10-May-19 16:05:00	94.67584991	263.5740051	142.2683716	2443.045166	136.0984802	2579.143646
10-May-19 16:06:00	94.73188782	263.5289917	142.5735321	2444.86377	132.6012573	2577.465027
10-May-19 16:07:00	94.53825378	262.7609863	142.6330566	2439.428711	129.3818054	2568.810516
10-May-19 16:08:00	94.67279053	263.802002	142.7398682	2457.079102	128.0673218	2585.146423
10-May-19 16:09:00	94.59638214	263.9819946	142.8009033	2440.905762	127.9762573	2568.882019
10-May-19 16:10:00	94.67749023	263.7749939	142.9534912	2418.711426	129.8670654	2548.578491
10-May-19 16:11:00	94.61490631	263.6190186	142.939743	2419.518555	133.2948608	2552.813416
10-May-19 16:12:00	94.6603241	263.5679932	143.0084229	2421.463135	136.9417267	2558.404861
10-May-19 16:13:00	94.58365631	263.4749756	143.0480957	2410.540039	140.0994873	2550.639526
10-May-19 16:14:00	94.66189575	263.6429749	142.8405762	2418.839844	140.6513977	2559.491241
10-May-19 16:15:00	94.57171631	263.6910095	142.8512573	2419.220215	139.5673523	2558.787567
10-May-19 16:16:00	94.61108398	263.6549683	142.9107513	2415.499512	136.0451965	2551.544708
10-May-19 16:17:00	94.56401062	263.6219788	142.7810669	2415.684082	132.1055298	2547.789612
10-May-19 16:18:00	94.40943909	263.9249878	142.8024292	2424.115234	128.7907562	2552.905991
10-May-19 16:19:00	94.75399017	263.9700012	142.6422119	2437.123047	128.0146484	2565.137695
10-May-19 16:20:00	94.50111389	263.7600098	142.7185059	2426.502441	127.8755875	2554.378029
10-May-19 16:21:00	94.568573	263.5800171	142.8405762	2413.201904	130.8398132	2544.041718
10-May-19 16:22:00	94.3667984	263.0400085	142.7185059	2416.523438	134.8429413	2551.366379
10-May-19 16:23:00	94.64881134	264.1199951	142.6269531	2412.352539	138.8423309	2551.19487
10-May-19 16:24:00	94.49204254	263.6699829	142.7947998	2423.899902	140.4057617	2564.305664
10-May-19 16:25:00	94.64064026	263.6699829	142.779541	2414.469727	140.8064117	2555.276138
10-May-19 16:26:00	94.40366364	263.1300049	142.779541	2410.267334	137.4466095	2547.713943
10-May-19 16:27:00	94.63066864	263.5499878	142.9321136	2425.449463	133.3436737	2558.793137
10-May-19 16:28:00	94.54724884	263.0400085	142.855835	2423.12915	129.7904053	2552.919556
10-May-19 16:29:00	94.60536957	263.8200073	142.7947998	2424.590332	128.0789185	2552.66925
10-May-19 16:30:00	94.57480621	263.9400024	142.779541	2420.753906	127.88797	2548.641876

Average	94.6354225	263.645012	141.2289206	2364.702571	133.5951769	2498.297748
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	GT Load %	GT MWs	ST MWs	GT Fuel MSCF	D/B Fuel MSCF	Total Fuel Flow MSCF
	3CEM-DC576	03RCAODINA201	03RCAODSE0201	3FGS-FI157	3FGS-FI160	
10-May-19 16:50:00	94.61778259	263.3399963	142.7185059	2418.047852	127.8809967	2545.928848
10-May-19 16:51:00	94.73215485	263.2799988	142.6422119	2423.865967	130.6804504	2554.546417
10-May-19 16:52:00	94.6531601	263.4899902	142.7185059	2421.299561	134.7346191	2556.03418
10-May-19 16:53:00	94.81433105	263.7600098	142.855835	2423.233887	138.7077179	2561.941605
10-May-19 16:54:00	94.56134033	263.1900024	142.7185059	2421.602051	140.3591614	2561.961212
10-May-19 16:55:00	94.39208984	263.3699951	142.7032471	2422.562012	140.7331543	2563.295166
10-May-19 16:56:00	94.59142303	263.2200012	142.7185059	2414.499023	137.079361	2551.578384
10-May-19 16:57:00	94.54684448	263.1300049	142.7337646	2430.895508	132.9909973	2563.886505
10-May-19 16:58:00	94.59870148	263.0100098	142.6574554	2414.018311	129.3712769	2543.389587
10-May-19 16:59:00	94.49504089	262.8899841	142.6422119	2410.824707	127.887764	2538.712471
10-May-19 17:00:00	94.69622803	263.5800171	142.7947998	2422.592773	128.4367981	2551.029572
10-May-19 17:01:00	94.7066803	263.730011	142.779541	2417.980713	132.0263062	2550.007019
10-May-19 17:02:00	94.65839386	264.1500244	142.8100586	2422.438721	135.9874115	2558.426132
10-May-19 17:03:00	94.67529297	263.6699829	142.8710785	2417.324707	139.5121155	2556.836823
10-May-19 17:04:00	94.36634064	263.1600037	142.7185059	2413.570068	140.7604218	2554.33049
10-May-19 17:05:00	94.31856537	263.6100159	142.7185059	2422.967529	139.4799042	2562.447433
10-May-19 17:06:00	94.54653931	263.7900085	142.779541	2422.990967	135.351059	2558.342026
10-May-19 17:07:00	94.34012604	263.8499756	142.764267	2422.456787	131.4252167	2553.882004
10-May-19 17:08:00	94.47136688	263.8499756	142.7185059	2420.457031	128.6739044	2549.130936
10-May-19 17:09:00	94.55350494	263.1600037	142.7185059	2423.108643	127.9986725	2551.107315
10-May-19 17:10:00	94.477005	263.519989	142.6574554	2427.317383	128.9569244	2556.274307
10-May-19 17:11:00	94.47950745	263.5800171	142.855835	2414.907227	132.5284271	2547.435654
10-May-19 17:12:00	94.61287689	263.519989	142.779541	2428.800293	136.3928528	2565.193146
10-May-19 17:13:00	94.58065796	263.0100098	142.8100586	2411.889404	139.5756378	2551.465042
10-May-19 17:14:00	94.53497314	262.6799927	142.8863525	2427.658691	140.8834229	2568.542114
10-May-19 17:15:00	94.51464081	263.0999756	142.7490234	2412.301025	139.9006195	2552.201645
10-May-19 17:16:00	94.57562256	263.519989	142.764267	2419.461426	136.3162537	2555.777679
10-May-19 17:17:00	94.54718018	263.25	142.764267	2417.023193	132.3951569	2549.41835
10-May-19 17:18:00	94.50443268	263.0999756	142.8100586	2420.370117	129.1984711	2549.568588
10-May-19 17:19:00	94.6125946	263.8200073	142.779541	2417.871094	127.8760605	2545.747154
10-May-19 17:20:00	94.75676727	264.0599976	142.7032471	2422.595703	127.9757004	2550.571404
10-May-19 17:21:00	94.47467041	263.8200073	142.7490234	2422.046631	131.2205505	2553.267181
10-May-19 17:22:00	94.73409271	263.9400024	142.7185059	2427.656982	135.1458893	2562.802872
10-May-19 17:23:00	94.56417084	263.5499878	142.8863525	2421.984375	139.1752014	2561.159576
10-May-19 17:24:00	94.54521942	263.9400024	142.7185059	2419.570068	140.7198792	2560.289948
10-May-19 17:25:00	94.50120544	264.1799927	142.8253174	2416.356201	140.797699	2557.1539
10-May-19 17:26:00	94.22084808	263.5800171	142.6727295	2419.68457	137.3101807	2556.994751
10-May-19 17:27:00	94.51403809	264.4199829	142.779541	2429.114746	133.2227631	2562.337509
10-May-19 17:28:00	94.4862442	264.1799927	142.8710785	2418.678223	129.5834198	2548.261642
10-May-19 17:29:00	94.48491669	263.9700012	142.855835	2415.472656	128.008316	2543.480972
10-May-19 17:30:00	94.41249084	264.269989	142.7947998	2424.190186	127.734848	2551.925034
10-May-19 17:31:00	94.7067337	264.2999878	142.7947998	2425.48999	130.2399139	2555.729904
10-May-19 17:32:00	94.43981934	263.1900024	142.855835	2420.786133	133.8661346	2554.652267
10-May-19 17:33:00	94.56628418	264.2099915	142.8405762	2421.6521	137.5702057	2559.222305
10-May-19 17:34:00	94.68045044	264.5100098	142.8863525	2427.476318	140.018692	2567.49501
10-May-19 17:35:00	94.49738312	264.0899963	142.9321136	2418.111328	140.8405457	2558.951874
10-May-19 17:36:00	94.47312164	264.2399902	142.9626465	2422.213135	138.9139099	2561.127045
10-May-19 17:37:00	94.57919312	264.480011	142.9626465	2424.686768	134.9337616	2559.620529
10-May-19 17:38:00	94.57143402	264.269989	142.9321136	2433.754639	131.3065338	2565.061172
10-May-19 17:39:00	94.53179932	264.2999878	143.069458	2427.365967	128.5616302	2555.927597
10-May-19 17:40:00	94.44956207	264.3899841	143.0847168	2424.444092	127.8126373	2552.256729
10-May-19 17:41:00	94.53756714	264.9599915	142.855835	2426.485107	128.6910095	2555.176117
10-May-19 17:42:00	94.70561218	264.5999756	142.9321136	2424.694336	131.9865723	2556.680908
10-May-19 17:43:00	94.60601807	264.75	143.0236816	2423.368408	135.9309845	2559.299393
10-May-19 17:44:00	94.49401855	264.1199951	143.0999756	2422.632324	139.2338409	2561.866165
10-May-19 17:45:00	94.53618622	264.0299988	142.8863525	2426.987793	140.3974915	2567.385284
10-May-19 17:46:00	94.58596039	264.480011	142.9626465	1803.181519	140.4152832	1943.596802
10-May-19 17:47:00	94.45426941	264.5100098	142.9626465	1802.451904	137.508194	1939.960098
10-May-19 17:48:00	94.31776428	264.2399902	142.9931641	1802.609741	133.6726532	1936.282394
10-May-19 17:49:00	94.54279327	264.1799927	142.855835	1811.973511	130.4144745	1942.387985
10-May-19 17:50:00	94.48957062	264.3899841	142.9321136	1813.443726	128.3536682	1941.797394

Average 94.54484596 263.8111447 142.8203117 2371.237637 134.1912085 2505.428845

	GT Load %	GT MWs	ST MWs	GT Fuel MSCF	D/B Fuel MSCF	Total Fuel Flow MSCF
	3CEM-DCS76	03RCAODINA201	03RCAODSE0201	3FGS-FI157	3FGS-FI160	
10-May-19 15:30:00	94.5447998	263.5830078	139.956665	2422.606445	135.0859375	2557.692383
10-May-19 15:31:00	94.79133606	264.0419922	140.306076	2420.384277	133.7316742	2554.115952
10-May-19 15:32:00	94.69068146	264.1529846	140.222168	2432.145996	132.2426147	2564.388611
10-May-19 15:33:00	94.72303009	263.8859863	140.2999878	2422.212646	131.0702209	2553.282867
10-May-19 15:34:00	94.66038513	263.7630005	140.1489258	2421.467041	129.762085	2551.229126
10-May-19 15:35:00	94.78490448	264.0660095	140.2938843	2419.238281	128.7358856	2547.974167
10-May-19 15:36:00	94.6099472	263.5229797	140.1229858	2418.153809	128.309845	2546.463654
10-May-19 15:37:00	94.62941742	263.5800171	140.032959	2417.553955	127.8795471	2545.433502
10-May-19 15:38:00	94.72750854	263.3399963	140.3045502	2423.495117	128.0752106	2551.570328
10-May-19 15:39:00	94.7410965	263.4989929	140.2832031	2427.838867	128.1317749	2555.970642
10-May-19 15:40:00	94.66608429	263.519989	140.1062012	2410.716064	129.028595	2539.744659
10-May-19 15:41:00	94.79566956	263.8079834	140.045166	2416.710449	130.1330719	2546.843521
10-May-19 15:42:00	94.75917053	263.9729919	140.0787354	2416.535645	131.7308502	2548.266495
10-May-19 15:43:00	94.70663452	263.3850098	139.9673462	2418.401367	133.5086212	2551.909988
10-May-19 15:44:00	94.66526031	263.5619812	139.8925781	2415.814697	135.4456024	2551.2603
10-May-19 15:45:00	94.79627991	263.6790161	139.8849487	2419.337646	137.2391663	2556.576813
10-May-19 15:46:00	94.56604004	263.2829895	139.6453857	2421.572266	139.0795135	2560.651779
10-May-19 15:47:00	94.67897797	263.42099	139.6224976	2426.111572	140.2929993	2566.404572
10-May-19 15:48:00	94.48085785	263.0939941	139.3157959	2407.01416	140.6333313	2547.647491
10-May-19 15:49:00	94.71574402	264.0150146	139.2990112	2426.597656	140.8608704	2567.458527
10-May-19 15:50:00	94.81091309	263.8049927	139.0991211	2422.016113	139.8957367	2561.91185
10-May-19 15:51:00	94.62614441	263.5379944	138.9389038	2434.871094	137.9686432	2572.839737
10-May-19 15:52:00	94.68224335	264.2909851	138.9328003	2443.24707	135.683197	2578.930267
10-May-19 15:53:00	94.7914505	263.802002	138.3880463	2442.625977	132.9829102	2576.608887
10-May-19 15:54:00	94.49189758	263.3370056	138.858017	2438.990234	130.6261902	2569.616425
10-May-19 15:55:00	94.59519958	263.9849854	139.2578125	2447.941895	128.612793	2576.554688
10-May-19 15:56:00	94.5296402	263.6340027	139.7537231	2438.48291	128.0345306	2566.517441
10-May-19 15:57:00	94.74187469	264.0449829	140.1306152	2442.993164	127.9684601	2570.961624
10-May-19 15:58:00	94.70243835	263.6699829	140.3213501	1808.24231	129.5183563	1937.760666
10-May-19 15:59:00	94.59075928	263.3580017	140.8035278	1813.69043	132.3025208	1945.99295
10-May-19 16:00:00	94.74266052	263.6579895	141.0400391	1813.512085	135.4959869	1949.008072
10-May-19 16:01:00	94.70041656	263.7210083	141.3848877	1811.406494	138.8522339	1950.258728
10-May-19 16:02:00	94.64665222	263.8199768	141.6122284	1807.882935	140.5598145	1948.442749
10-May-19 16:03:00	94.4931488	263.5379944	142.0410156	1803.398193	140.757843	1944.156036
10-May-19 16:04:00	94.57809448	263.0580139	142.1585083	2436.470215	139.4055939	2575.875809
10-May-19 16:05:00	94.67584991	263.5740051	142.2683716	2443.045166	136.0984802	2579.143646
10-May-19 16:06:00	94.73188782	263.5289917	142.5735321	2444.86377	132.6012573	2577.465027
10-May-19 16:07:00	94.53825378	262.7609863	142.6330566	2439.428711	129.3818054	2568.810516
10-May-19 16:08:00	94.67279053	263.802002	142.7398682	2457.079102	128.0673218	2585.146423
10-May-19 16:09:00	94.59638214	263.9819946	142.8009033	2440.905762	127.9762573	2568.882019
10-May-19 16:10:00	94.67749023	263.7749939	142.9534912	2418.711426	129.8670654	2548.578491
10-May-19 16:11:00	94.61490631	263.6190186	142.939743	2419.518555	133.2948608	2552.813416
10-May-19 16:12:00	94.6603241	263.5679932	143.0084229	2421.463135	136.9417267	2558.404861
10-May-19 16:13:00	94.58365631	263.4749756	143.0480957	2410.540039	140.0994873	2550.639526
10-May-19 16:14:00	94.66189575	263.6429749	142.8405762	2418.839844	140.6513977	2559.491241
10-May-19 16:15:00	94.57171631	263.6910095	142.8512573	2419.220215	139.5673523	2558.787567
10-May-19 16:16:00	94.61108398	263.6549683	142.9107513	2415.499512	136.0451965	2551.544708
10-May-19 16:17:00	94.56401062	263.6219788	142.7810669	2415.684082	132.1055298	2547.789612
10-May-19 16:18:00	94.40943909	263.9249878	142.8024292	2424.115234	128.7907562	2552.905991
10-May-19 16:19:00	94.75399017	263.9700012	142.6422119	2437.123047	128.0146484	2565.137695
10-May-19 16:20:00	94.50111389	263.7600098	142.7185059	2426.502441	127.8755875	2554.378029
10-May-19 16:21:00	94.568573	263.5800171	142.8405762	2413.201904	130.8398132	2544.041718
10-May-19 16:22:00	94.3667984	263.0400085	142.7185059	2416.523438	134.8429413	2551.366379
10-May-19 16:23:00	94.64881134	264.1199951	142.6269531	2412.352539	138.8423309	2551.19487
10-May-19 16:24:00	94.49204254	263.6699829	142.7947998	2423.899902	140.4057617	2564.305664
10-May-19 16:25:00	94.64064026	263.6699829	142.779541	2414.469727	140.8064117	2555.276138
10-May-19 16:26:00	94.40366364	263.1300049	142.779541	2410.267334	137.4466095	2547.713943
10-May-19 16:27:00	94.63066864	263.5499878	142.9321136	2425.449463	133.3436737	2558.793137
10-May-19 16:28:00	94.54724884	263.0400085	142.855835	2423.12915	129.7904053	2552.919556
10-May-19 16:29:00	94.60536957	263.8200073	142.7947998	2424.590332	128.0789185	2552.66925
10-May-19 16:30:00	94.57480621	263.9400024	142.779541	2420.753906	127.88797	2548.641876
10-May-19 16:31:00	94.69594574	263.9100037	142.8405762	2426.235596	130.5919189	2556.827515
10-May-19 16:32:00	94.61881256	263.7000122	142.8100586	2421.26416	134.4711456	2555.735306
10-May-19 16:33:00	94.65659332	263.9700012	142.779541	2430.349121	138.3919373	2568.741058
10-May-19 16:34:00	94.71031189	263.7000122	142.779541	2422.01001	140.341095	2562.351105
10-May-19 16:35:00	94.59371948	263.8499756	142.779541	2423.129395	141.0357666	2564.165161
10-May-19 16:36:00	94.59724426	263.519989	142.7185059	2425.410156	138.1412811	2563.551437
10-May-19 16:37:00	94.72042847	264.0299988	142.7185059	2412.783203	133.7389526	2546.522156

	GT Load %	GT MWs	ST MWs	GT Fuel MSCF	D/B Fuel MSCF	Total Fuel Flow MSCF
	3CEM-DC576	03RCAODIN201	03RCAODSE0201	3FGS-FI157	3FGS-FI160	
10-May-19 16:38:00	94.61657715	263.8200073	142.855835	2417.473145	130.0836639	2547.556808
10-May-19 16:39:00	94.53567505	264	142.6422119	2423.473633	128.1960602	2551.669693
10-May-19 16:40:00	94.4940033	264.1199951	142.7490234	2424.95459	127.9599915	2552.914581
10-May-19 16:41:00	94.67776489	264.1799927	142.6879883	2426.112305	130.4381104	2556.550415
10-May-19 16:42:00	94.67893219	263.4599915	142.7185059	2426.939697	134.5941925	2561.53389
10-May-19 16:43:00	94.47827148	263.6699829	142.855835	2418.432617	138.6886597	2557.121277
10-May-19 16:44:00	94.53604126	263.4299927	142.7185059	2413.067871	140.5035248	2553.571396
10-May-19 16:45:00	94.56402588	263.7600098	142.7032471	2415.20752	140.729538	2555.937057
10-May-19 16:46:00	94.54727173	263.0400085	142.7337646	2415.417236	137.3640137	2552.78125
10-May-19 16:47:00	94.78500366	263.4000244	142.779541	2421.953369	133.3757019	2555.329071
10-May-19 16:48:00	94.71669769	263.0999756	143.0084229	2419.251465	129.6738434	2548.925308
10-May-19 16:49:00	94.45632172	262.7999878	142.8100586	2413.987305	128.1470642	2542.134369
10-May-19 16:50:00	94.61778259	263.3999963	142.7185059	2418.047852	127.8809967	2545.928848
10-May-19 16:51:00	94.73215485	263.2799988	142.6422119	2423.865967	130.6804504	2554.546417
10-May-19 16:52:00	94.6531601	263.4899902	142.7185059	2421.299561	134.7346191	2556.03418
10-May-19 16:53:00	94.81433105	263.7600098	142.855835	2423.233887	138.7077179	2561.941605
10-May-19 16:54:00	94.56134033	263.1900024	142.7185059	2421.602051	140.3591614	2561.961212
10-May-19 16:55:00	94.39208984	263.3699951	142.7032471	2422.562012	140.7331543	2563.295166
10-May-19 16:56:00	94.59142303	263.2200012	142.7185059	2414.499023	137.079361	2551.578384
10-May-19 16:57:00	94.54684448	263.1300049	142.7337646	2430.895508	132.9909973	2563.886505
10-May-19 16:58:00	94.59870148	263.0100098	142.6574554	2414.018311	129.3712769	2543.389587
10-May-19 16:59:00	94.49504089	262.8899841	142.6422119	2410.824707	127.887764	2538.712471
10-May-19 17:00:00	94.69622803	263.5800171	142.7947998	2422.592773	128.4367981	2551.029572
10-May-19 17:01:00	94.7066803	263.730011	142.779541	2417.980713	132.0263062	2550.007019
10-May-19 17:02:00	94.65839386	264.1500244	142.8100586	2422.438721	135.9874115	2558.426132
10-May-19 17:03:00	94.67529297	263.6699829	142.8710785	2417.324707	139.5121155	2556.836823
10-May-19 17:04:00	94.36634064	263.1600037	142.7185059	2413.570068	140.7604218	2554.33049
10-May-19 17:05:00	94.31856537	263.6100159	142.7185059	2422.967529	139.4799042	2562.447433
10-May-19 17:06:00	94.54653931	263.7900085	142.779541	2422.990967	135.351059	2558.342026
10-May-19 17:07:00	94.34012604	263.8499756	142.764267	2422.456787	131.4252167	2553.882004
10-May-19 17:08:00	94.47136688	263.8499756	142.7185059	2420.457031	128.6739044	2549.130936
10-May-19 17:09:00	94.55350494	263.1600037	142.7185059	2423.108643	127.9986725	2551.107315
10-May-19 17:10:00	94.477005	263.519989	142.6574554	2427.317383	128.9569244	2556.274307
10-May-19 17:11:00	94.47950745	263.5800171	142.855835	2414.907227	132.5284271	2547.435654
10-May-19 17:12:00	94.61287689	263.519989	142.779541	2428.800293	136.3928528	2565.193146
10-May-19 17:13:00	94.58065796	263.0100098	142.8100586	2411.889404	139.5756378	2551.465042
10-May-19 17:14:00	94.53497314	262.6799927	142.8863525	2427.658691	140.8834229	2568.542114
10-May-19 17:15:00	94.51464081	263.0999756	142.7490234	2412.301025	139.9006195	2552.201645
10-May-19 17:16:00	94.57562256	263.519989	142.764267	2419.461426	136.3162537	2555.777679
10-May-19 17:17:00	94.54718018	263.25	142.764267	2417.023193	132.3951569	2549.41835
10-May-19 17:18:00	94.50443268	263.0999756	142.8100586	2420.370117	129.1984711	2549.568588
10-May-19 17:19:00	94.6125946	263.8200073	142.779541	2417.871094	127.8760605	2545.747154
10-May-19 17:20:00	94.75676727	264.0599976	142.7032471	2422.595703	127.9757004	2550.571404
10-May-19 17:21:00	94.47467041	263.8200073	142.7490234	2422.046631	131.2205505	2553.267181
10-May-19 17:22:00	94.73409271	263.9400024	142.7185059	2427.656982	135.1458893	2562.802872
10-May-19 17:23:00	94.56417084	263.5499878	142.8863525	2421.984375	139.1752014	2561.159576
10-May-19 17:24:00	94.54521942	263.9400024	142.7185059	2419.570068	140.7198792	2560.289948
10-May-19 17:25:00	94.50120544	264.1799927	142.8253174	2416.356201	140.797699	2557.1539
10-May-19 17:26:00	94.22084808	263.5800171	142.6727295	2419.68457	137.3101807	2556.994751
10-May-19 17:27:00	94.51403809	264.4199829	142.779541	2429.114746	133.2227631	2562.337509
10-May-19 17:28:00	94.4862442	264.1799927	142.8710785	2418.678223	129.5834198	2548.261642
10-May-19 17:29:00	94.48491669	263.9700012	142.855835	2415.472656	128.008316	2543.480972
10-May-19 17:30:00	94.41249084	264.269989	142.7947998	2424.190186	127.734848	2551.925034
10-May-19 17:31:00	94.7067337	264.2999878	142.7947998	2425.48999	130.2399139	2555.729904
10-May-19 17:32:00	94.43981934	263.1900024	142.855835	2420.786133	133.8661346	2554.652267
10-May-19 17:33:00	94.56628418	264.2099915	142.8405762	2421.6521	137.5702057	2559.222305
10-May-19 17:34:00	94.68045044	264.5100098	142.8863525	2427.476318	140.018692	2567.49501
10-May-19 17:35:00	94.49738312	264.0899963	142.9321136	2418.111328	140.8405457	2558.951874
10-May-19 17:36:00	94.47312164	264.2399902	142.9626465	2422.213135	138.9139099	2561.127045
10-May-19 17:37:00	94.57919312	264.480011	142.9626465	2424.686768	134.9337616	2559.620529
10-May-19 17:38:00	94.57143402	264.269989	142.9321136	2433.754639	131.3065338	2565.061172
10-May-19 17:39:00	94.53179932	264.2999878	143.069458	2427.365967	128.5616302	2555.927597
10-May-19 17:40:00	94.44956207	264.3899841	143.0847168	2424.444092	127.8126373	2552.256729

Average	94.59852105	263.6643174	142.062504	2394.900585	133.9300138	2528.830599
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	GT Load %	GT MWs	ST MWs	GT Fuel MSCF	D/B Fuel MSCF	Total Fuel Flow MSCF
	3CEM-DCS76	03RCAODINA201	03RCAODSE0201	3FGS-FI157	3FGS-FI160	
10-May-19 18:05:00	94.49945068	264.3300171	143.069458	2426.323242	135.5061493	2561.829391
10-May-19 18:06:00	94.44854736	264.3600159	142.855835	2420.80542	138.7638397	2559.56926
10-May-19 18:07:00	94.56815338	264.3899841	143.0541992	2427.969971	140.39711	2568.367081
10-May-19 18:08:00	94.64169312	264.0899963	142.9168701	2426.001709	140.8984833	2566.900192
10-May-19 18:09:00	94.44498444	264.0299988	142.8863525	2420.649658	138.5790863	2559.228745
10-May-19 18:10:00	94.36688995	263.6399841	142.7337646	2420.382813	134.8797455	2555.262558
10-May-19 18:11:00	94.56642151	263.730011	142.97789	2423.05835	131.4620514	2554.520401
10-May-19 18:12:00	94.54962158	263.9100037	143.0084229	2409.650391	128.6339111	2538.284302
10-May-19 18:13:00	94.51039886	263.8800049	142.8863525	2415.982178	127.7531052	2543.735283
10-May-19 18:14:00	94.7131424	263.730011	142.855835	2419.705078	127.9136276	2547.618706
10-May-19 18:15:00	94.50180054	263.4899902	142.9931641	2428.008545	130.7442627	2558.752808
10-May-19 18:16:00	94.74864197	263.4599915	142.855835	2415.070801	134.381485	2549.452286
10-May-19 18:17:00	94.62730408	263.519989	142.9321136	2412.802246	138.3848267	2551.187073
10-May-19 18:18:00	94.60681915	263.730011	142.9473877	2408.685059	140.3677063	2549.052765
10-May-19 18:19:00	94.55882263	263.4599915	142.9168701	2414.394775	140.9937439	2555.388519
10-May-19 18:20:00	94.6042099	263.730011	142.779541	2417.234863	138.7288208	2555.963684
10-May-19 18:21:00	94.36130524	263.3699951	142.7032471	2409.133789	134.8323822	2543.966171
10-May-19 18:22:00	94.55885315	263.9700012	142.779541	2411.632813	131.3284149	2542.961227
10-May-19 18:23:00	94.53512573	264.0299988	142.855835	2420.1875	128.5370178	2548.724518
10-May-19 18:24:00	94.45272827	263.4299927	142.855835	2416.217285	127.7587662	2543.976051
10-May-19 18:25:00	94.4799118	263.8499756	142.9016113	2424.060791	128.5007324	2552.561523
10-May-19 18:26:00	94.68815613	264.1199951	142.855835	2418.258545	132.1143341	2550.372879
10-May-19 18:27:00	94.56521606	263.7900085	142.764267	2419.19751	136.04599	2555.2435
10-May-19 18:28:00	94.52674103	263.6699829	142.779541	2416.46167	139.4503632	2555.912033
10-May-19 18:29:00	94.60414124	264.3899841	142.855835	2425.06958	140.9251862	2565.994766
10-May-19 18:30:00	94.679245	264.5400085	142.7032471	2426.706055	140.206543	2566.912598
10-May-19 18:31:00	94.50569153	264.2399902	142.779541	2432.843994	136.3977203	2569.241714
10-May-19 18:32:00	94.41665649	264.1500244	142.6574554	2430.069336	132.405777	2562.475113
10-May-19 18:33:00	94.53871155	264.3300171	142.8253174	2428.766357	128.9681702	2557.734528
10-May-19 18:34:00	94.46588135	264.5100098	142.6574554	2427.196289	127.7645111	2554.9608
10-May-19 18:35:00	94.68505859	264.3300171	142.6422119	2432.318604	128.2546692	2560.573273
10-May-19 18:36:00	94.63494873	264.5400085	142.9931641	2422.728271	131.9402771	2554.668549
10-May-19 18:37:00	94.71154022	264.480011	143.0236816	2421.484619	135.9098663	2557.394485
10-May-19 18:38:00	94.53482819	264.6600037	142.9626465	2426.750732	139.6704254	2566.421158
10-May-19 18:39:00	94.5296402	264.1199951	143.0389252	2417.82251	140.7725067	2558.595016
10-May-19 18:40:00	94.46510315	264.2999878	142.9931641	2419.054932	140.1648102	2559.219742
10-May-19 18:41:00	94.55678558	264.269989	142.9321136	2419.429199	136.1797485	2555.608948
10-May-19 18:42:00	94.42459869	264.4199829	142.9321136	2419.414795	132.2140503	2551.628845
10-May-19 18:43:00	94.47279358	264.6600037	142.9168701	2420.650391	128.9924164	2549.642807
10-May-19 18:44:00	94.35094452	264.269989	143.0084229	2425.026855	127.8402634	2552.867119
10-May-19 18:45:00	94.48536682	264.5700073	142.8863525	2190.272705	128.4276581	2318.700363
10-May-19 18:46:00	94.67507172	264.6600037	143.0084229	1809.616699	131.7676849	1941.384384
10-May-19 18:47:00	94.64916992	264.3899841	142.9321136	1816.388184	135.7427216	1952.130905
10-May-19 18:48:00	94.80784607	264.6600037	143.069458	1812.822144	139.4723969	1952.29454
10-May-19 18:49:00	94.64955902	264.5400085	143.0084229	1811.383545	140.7546692	1952.138214
10-May-19 18:50:00	94.53475189	264.4199829	142.855835	1814.265259	140.2654266	1954.530685
10-May-19 18:51:00	94.52796936	264.1199951	142.8253174	1815.535034	136.2647552	1951.799789
10-May-19 18:52:00	94.61839294	264.6900024	142.764267	2473.755371	132.1467743	2605.902145
10-May-19 18:53:00	94.54359436	264.3899841	142.779541	2464.256592	128.870697	2593.127289
10-May-19 18:54:00	94.68666077	264.75	143.069458	2462.621338	127.6597977	2590.281136
10-May-19 18:55:00	94.57240295	264.7799988	142.855835	2467.13916	128.2948303	2595.43399
10-May-19 18:56:00	94.71526337	265.3499756	142.9321136	2469.215088	131.8752441	2601.090332
10-May-19 18:57:00	94.69483185	265.0800171	142.7185059	2460.355225	136.1252594	2596.480484
10-May-19 18:58:00	94.4681015	264.9899902	142.8253174	2424.578125	139.7480011	2564.326126
10-May-19 18:59:00	94.58177185	264.6600037	142.9931641	2424.047852	140.883316	2564.931168
10-May-19 19:00:00	94.53820038	264.75	143.1457367	2420.367676	140.1233063	2560.490982
10-May-19 19:01:00	94.39840698	264.5700073	143.0084229	2427.527588	135.9780121	2563.5056
10-May-19 19:02:00	94.41971588	264.5999756	143.1152344	2416.406494	131.9351196	2548.341614
10-May-19 19:03:00	94.48664856	265.1699829	142.9931641	2431.897461	128.5201569	2560.417618
10-May-19 19:04:00	94.5331955	264.480011	142.9931641	2424.503906	127.7449112	2552.248817
10-May-19 19:05:00	94.67147064	264.3600159	143.0084229	2426.567871	128.3898621	2554.957733
10-May-19 19:06:00	94.55128479	264.8099976	143.1457367	2425.378662	132.0496979	2557.42836
10-May-19 19:07:00	94.81919098	264.9000244	143.0236816	2420.942627	136.4251556	2557.367783
10-May-19 19:08:00	94.43669128	264.4500122	142.9473877	2417.897949	139.9746246	2557.872574
10-May-19 19:09:00	94.58616638	264.9000244	142.9321136	2423.206055	140.9806671	2564.186722
10-May-19 19:10:00	94.63904572	264.9599915	142.9626465	2428.209961	139.1765594	2567.38652
10-May-19 19:11:00	94.5241394	264.7799988	142.9016113	2423.939453	134.7703705	2558.709824

	GT Load %	GT MWs	ST MWs	GT Fuel MSCF	D/B Fuel MSCF	Total Fuel Flow MSCF
	3CEM-DC576	03RCAODINA201	03RCAODSE0201	3FGS-F1157	3FGS-F1160	
10-May-19 19:12:00	94.58703613	264.5700073	143.0389252	2429.912354	130.774353	2560.686707
10-May-19 19:13:00	94.60895538	264.6600037	142.8863525	2421.39502	128.2179871	2549.613007
10-May-19 19:14:00	94.54207611	264.5999756	142.9321136	2424.812744	127.5205841	2552.333328
10-May-19 19:15:00	94.67578125	265.1100159	142.855835	2427.488281	129.5301056	2557.018387
10-May-19 19:16:00	94.67845154	264.9299927	142.9168701	2425.886963	133.6461487	2559.533112
10-May-19 19:17:00	94.59514618	264.7799988	142.9321136	2432.360107	138.3273468	2570.687454
10-May-19 19:18:00	94.41226196	265.3800049	143.0084229	2415.583984	140.4639893	2556.047974
10-May-19 19:19:00	94.44216919	264.7799988	143.0999756	2416.196289	140.44133	2556.637619
10-May-19 19:20:00	94.60243225	264.9299927	143.0084229	2433.795898	136.7709808	2570.566879
10-May-19 19:21:00	94.62618256	264.5400085	143.1610107	2422.37207	132.3333435	2554.705414
10-May-19 19:22:00	94.42841339	264.6600037	143.069458	2433.754883	128.7562866	2562.511169
10-May-19 19:23:00	94.3935318	264.7799988	143.1457367	2424.84375	127.6352615	2552.479012
10-May-19 19:24:00	94.84773254	264.3600159	143.069458	2427.244385	128.8321686	2556.076553
10-May-19 19:25:00	94.63023376	264.2399902	143.0084229	2426.380615	132.8657684	2559.246384
10-May-19 19:26:00	94.59892273	264.5999756	143.1457367	2435.98584	137.6623688	2573.648209
10-May-19 19:27:00	94.59807587	264.6600037	142.9168701	2419.97876	140.2157135	2560.194473
10-May-19 19:28:00	94.69024658	264.8099976	142.9321136	2417.819824	140.8045502	2558.624374
10-May-19 19:29:00	94.50512695	264.4199829	143.0236816	2434.572998	137.017334	2571.590332
10-May-19 19:30:00	94.43994141	264.4500122	143.0084229	2434.890625	132.4810486	2567.371674
10-May-19 19:31:00	94.57766724	265.0499878	143.0084229	2432.407959	128.6533813	2561.06134
10-May-19 19:32:00	94.56582642	265.1399841	143.1304932	2418.791748	127.5523071	2546.344055
10-May-19 19:33:00	94.56175995	265.0499878	143.1457367	2421.441162	129.032074	2550.473236
10-May-19 19:34:00	94.52169037	264.5700073	143.1304932	2421.620117	133.3449249	2554.965042
10-May-19 19:35:00	94.56053162	264.5700073	142.9473877	2422.845215	137.9597321	2560.804947
10-May-19 19:36:00	94.60791779	264.5999756	142.9321136	2430.565674	140.2078857	2570.77356
10-May-19 19:37:00	94.50720215	264.75	142.9321136	2424.330078	140.4942474	2564.824326
10-May-19 19:38:00	94.35440063	264.6900024	142.9473877	2413.223633	136.6604004	2549.884033
10-May-19 19:39:00	94.47839355	264.9899902	143.0541992	2424.723877	131.9849548	2556.708832
10-May-19 19:40:00	94.5691452	264.8099976	143.1762695	2427.70459	128.5877075	2556.292297
10-May-19 19:41:00	94.57238007	265.2600098	143.2373047	2430.145996	127.7095642	2557.85556
10-May-19 19:42:00	94.58734131	264.8699951	142.9931641	2424.446045	129.3487091	2553.794754
10-May-19 19:43:00	94.61395264	264.8699951	143.2830811	2432.29834	133.1940765	2565.492416
10-May-19 19:44:00	94.66051483	265.0499878	143.2220459	2430.611816	138.0215302	2568.633347
10-May-19 19:45:00	94.61677551	264.4199829	143.2220459	2432.252686	140.2928009	2572.545486
10-May-19 19:46:00	94.51628876	264.4199829	143.2678223	2427.598877	140.5895386	2568.188416
10-May-19 19:47:00	94.59117889	264.7200012	143.3593597	2422.224609	136.6056366	2558.830246
10-May-19 19:48:00	94.5659256	264.3300171	143.2220459	2427.562012	131.9359894	2559.498001
10-May-19 19:49:00	94.64452362	264.756012	143.2952881	2421.69043	128.1534882	2549.843918
10-May-19 19:50:00	94.5207901	264.7349854	143.258667	2424.866699	127.8960724	2552.762772
10-May-19 19:51:00	94.67327118	264.8670044	143.1152344	2432.484375	129.8904419	2562.374817
10-May-19 19:52:00	94.69803619	265.1669922	143.0847168	2423.13501	134.2125244	2557.347534
10-May-19 19:53:00	94.64984894	265.0410156	143.305954	2413.671631	138.9111938	2552.582825
10-May-19 19:54:00	94.60570526	264.611969	143.2113647	2424.550781	140.4834595	2565.034241
10-May-19 19:55:00	94.57645416	264.7139893	143.1930542	2424.371094	139.8894348	2564.260529
10-May-19 19:56:00	94.49223328	264.9689941	143.4768677	2421.625	135.9820557	2557.607056
10-May-19 19:57:00	94.41592407	264.6749878	143.1625366	2414.979736	131.4087372	2546.388474
10-May-19 19:58:00	94.51031494	264.8609924	143.0770874	2422.306641	128.130188	2550.436829
10-May-19 19:59:00	94.64923096	264.8999939	142.953476	2427.755127	127.7897339	2555.544861
10-May-19 20:00:00	94.68841553	264.9299927	143.0770874	2423.931641	129.4638062	2553.395447
10-May-19 20:01:00	94.52284241	264.3179932	142.9855347	2421.4375	133.6817017	2555.119202
10-May-19 20:02:00	94.55825806	264.4109802	143.2830811	2422.312988	137.9548798	2560.267868
10-May-19 20:03:00	94.56375122	264.4320068	143.1808472	2418.260498	140.4042664	2558.664764
10-May-19 20:04:00	94.70865631	264.0570068	143.3379974	2422.21167	140.3712463	2562.582916
10-May-19 20:05:00	94.59926605	264.1350098	143.3471527	2416.307129	137.3509216	2553.658051
10-May-19 20:06:00	94.58946991	264.2279968	143.2693481	2424.303711	133.04953	2557.353241
10-May-19 20:07:00	94.63629913	263.9729919	143.2769775	2412.06543	129.1340942	2541.199524
10-May-19 20:08:00	94.73552704	264.0480042	143.3303833	2428.260742	127.7761536	2556.036896
10-May-19 20:09:00	94.66119385	264.2369995	143.2449341	2417.931152	128.3861084	2546.317261
10-May-19 20:10:00	94.6075058	264.3600159	143.2006836	1807.024658	131.5155182	1938.540176
10-May-19 20:11:00	94.56569672	264.1919861	143.1930542	1811.626709	135.7737427	1947.400452
10-May-19 20:12:00	94.5534668	264.3600159	142.953476	1811.956299	139.7592926	1951.715591
10-May-19 20:13:00	94.66740417	264.1139832	143.0862427	1811.14978	140.5537415	1951.703522
10-May-19 20:14:00	94.62537384	263.6220093	142.9931488	1811.339478	139.6477966	1950.987274

Average	94.57051914	264.4679523	143.0081142	2371.707164	134.2613295	2505.968493
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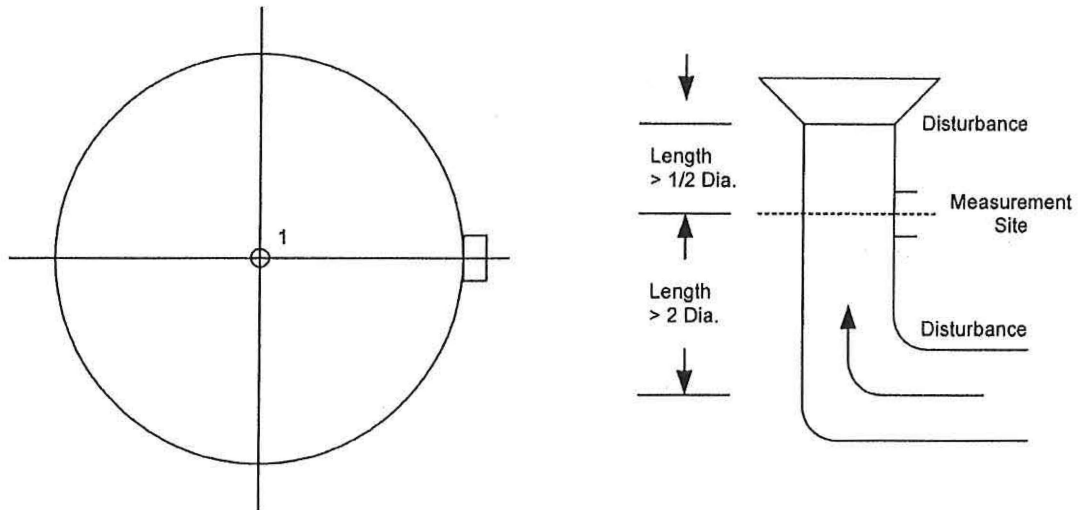
	GT Load %	GT MWs	ST MWs	GT Fuel MSCF	D/B Fuel MSCF	Total Fuel Flow MSCF
	3CEM-DCS76	03RCAODINA201	03RCAODSE0201	3FGS-FI157	3FGS-FI160	
10-May-19 20:30:00	94.69134521	264.2070007	143.1182861	2435.427002	133.2975464	2568.724548
10-May-19 20:31:00	94.59127808	264.4440002	142.8710938	2439.573242	137.6192932	2577.192535
10-May-19 20:32:00	94.62397003	264.6419983	142.939743	2442.935059	140.75354	2583.688599
10-May-19 20:33:00	94.76043701	264.2909851	142.9412689	2440.400391	140.8117371	2581.212128
10-May-19 20:34:00	94.69335175	264.3240051	143.0145264	2423.380615	138.803772	2562.184387
10-May-19 20:35:00	94.70001221	264.4259949	142.9534912	2416.437744	134.537323	2550.975067
10-May-19 20:36:00	94.52983093	264.0780029	143.0221558	2420.479248	130.8033905	2551.282639
10-May-19 20:37:00	94.61029816	264.0180054	143.0419769	2423.401367	127.985611	2551.386978
10-May-19 20:38:00	94.62493896	264.2369995	142.9931641	2417.669434	127.7695465	2545.43898
10-May-19 20:39:00	94.61952972	264.1650085	143.0358734	2417.124268	129.4713745	2546.595642
10-May-19 20:40:00	94.71427917	264.3450012	143.1289673	2426.790527	133.0513611	2559.841888
10-May-19 20:41:00	94.69454956	264.4649963	143.1411591	2423.155273	137.3300323	2560.485306
10-May-19 20:42:00	94.69988251	264.7860107	143.3379974	2430.904785	140.8026123	2571.707397
10-May-19 20:43:00	94.54722595	264.7080078	143.2220459	2420.206543	135.3442078	2555.550751
10-May-19 20:44:00	94.51652527	264.4349976	143.2967987	2418.240234	129.5638428	2547.804077
10-May-19 20:45:00	94.5742569	264.888031	143.3029175	1811.373047	137.7501678	1949.123215
10-May-19 20:46:00	94.48274994	264.6839905	143.3074951	1804.407227	140.5672913	1944.974518
10-May-19 20:47:00	94.44682312	264.7919922	143.0892944	1807.786621	136.9473267	1944.733948
10-May-19 20:48:00	94.44477081	264.7890015	143.1487885	1805.550049	130.2918396	1935.841888
10-May-19 20:49:00	94.38527679	265.0289917	143.1594696	1811.293823	127.9542389	1939.248062
10-May-19 20:50:00	94.50823975	265.0710144	143.0847168	1816.366211	132.8058777	1949.172089
10-May-19 20:51:00	94.56652069	264.6749878	143.296814	1810.218506	139.9371338	1950.15564
10-May-19 20:52:00	94.4910202	264.1829834	143.2769775	2437.414551	139.5003662	2576.914917
10-May-19 20:53:00	94.54872894	264.6149902	143.1533661	2447.20166	132.4633484	2579.665009
10-May-19 20:54:00	94.53890991	264.6000061	143.1609955	2449.677002	127.801651	2577.478653
10-May-19 20:55:00	94.48188019	264.3600159	143.1472626	2445.63916	130.3572845	2575.996445
10-May-19 20:56:00	94.54395294	264.5310059	143.2754517	2449.707275	138.8796539	2588.586929
10-May-19 20:57:00	94.49044037	264.743988	143.1655884	2426.984375	140.4278564	2567.412231
10-May-19 20:58:00	94.35334015	264.9060059	143.0999756	2418.464111	134.0076904	2552.471802
10-May-19 20:59:00	94.53541565	264.8370056	143.3181763	2425.770508	127.8910217	2553.66153
10-May-19 21:00:00	94.58985138	265.1309814	143.1518402	2426.618164	129.4418335	2556.059998
10-May-19 21:01:00	94.49604797	264.8999939	143.2403412	2428.774902	138.314209	2567.089111
10-May-19 21:02:00	94.3394165	264.8339844	143.2281494	2422.835205	140.5072937	2563.342499
10-May-19 21:03:00	94.43017578	264.8670044	143.3029022	2422.911377	134.030304	2556.941681
10-May-19 21:04:00	94.34534454	264.9150085	143.2983398	2420.177002	127.8518372	2548.028839
10-May-19 21:05:00	94.40408325	264.8670044	143.1472626	2424.416016	129.9231567	2554.339172
10-May-19 21:06:00	94.45949554	264.927002	143.3044281	2428.438965	138.4563293	2566.895294
10-May-19 21:07:00	94.34736633	264.7019958	143.1564178	2422.557129	140.4642181	2563.021347
10-May-19 21:08:00	94.41511536	264.611969	143.0999756	2423.269043	133.7485352	2557.017578
10-May-19 21:09:00	94.22036743	264.5549927	143.0175781	2422.044434	127.8361206	2549.880554
10-May-19 21:10:00	94.44007111	264.92099	143.0725098	2428.950684	129.6314087	2558.582092
10-May-19 21:11:00	94.49751282	264.9509888	143.0084229	2419.941406	138.5646973	2558.506104
10-May-19 21:12:00	94.45101166	264.4199829	142.9962158	2414.530518	140.3477173	2554.878235
10-May-19 21:13:00	94.39875793	264.6419983	142.8512573	2424.70459	133.3649292	2558.069519
10-May-19 21:14:00	94.47343445	264.9509888	142.8634644	2428.498535	127.5813599	2556.079895
10-May-19 21:15:00	94.32847595	264.6059875	142.8649902	2425.043457	131.0269623	2556.070419
10-May-19 21:16:00	94.15072632	264.9599915	142.965683	2415.30127	139.8491516	2555.150421
10-May-19 21:17:00	94.20754242	264.6269836	143.1320038	2417.927734	139.4855347	2557.413269
10-May-19 21:18:00	94.30272675	264.8909912	143.0343475	2420.531738	131.2104187	2551.742157
10-May-19 21:19:00	94.28938293	264.9329834	143.1304779	2425.009033	127.5048599	2552.513893
10-May-19 21:20:00	94.33650208	265.0019836	143.1732178	2428.375244	133.6091461	2561.98439
10-May-19 21:21:00	94.35868835	264.821991	143.1594849	2427.789063	140.2856903	2568.074753
10-May-19 21:22:00	94.19400024	264.4769897	143.0007935	2418.973633	137.1746216	2556.148254
10-May-19 21:23:00	94.38859558	264.7739868	142.9885864	2420.564453	128.8439484	2549.408401
10-May-19 21:24:00	94.34255981	264.7770081	143.0908203	2419.718262	128.2290649	2547.947327
10-May-19 21:25:00	94.36377716	264.8999939	143.1335297	2420.942383	136.8518066	2557.794189
10-May-19 21:26:00	94.26303101	264.8399963	143.182373	2417.689453	140.5069275	2558.196381
10-May-19 21:27:00	94.22175598	264.7409973	143.1533661	2417.100098	133.933197	2551.033295
10-May-19 21:28:00	94.36560059	264.8280029	142.9672241	2426.916504	127.7231369	2554.639641
10-May-19 21:29:00	94.46083832	264.8789978	143.0206299	2416.638916	130.5831451	2547.222061
10-May-19 21:30:00	94.43659973	264.6390076	143.0130005	2422.643066	139.5541077	2562.197174
10-May-19 21:31:00	94.38999176	264.4199829	142.939743	2426.351318	139.4255676	2565.776886
10-May-19 21:32:00	94.32398987	264.3299866	143.0755615	2422.024902	130.9729309	2552.997833
10-May-19 21:33:00	94.30555725	264.6990051	143.0633545	2425.068848	127.7758102	2552.844658
10-May-19 21:34:00	94.38293457	264.678009	143.0267334	2427.23291	133.9500427	2561.182953
10-May-19 21:35:00	94.23397064	264.8460083	142.9321136	2423.300781	140.2276917	2563.528473
10-May-19 21:36:00	94.13124084	264.5280151	142.8787231	2429.20459	136.3528442	2565.557434

	GT Load %	GT MWs	ST MWs	GT Fuel MSCF	D/B Fuel MSCF	Total Fuel Flow MSCF
	3CEM-DCS76	03RCAODINA201	03RCAODSE0201	3FGS-FI157	3FGS-FI160	
10-May-19 21:37:00	94.28400421	265.0710144	143.0084229	2428.626953	128.2396698	2556.866623
10-May-19 21:38:00	94.2322998	265.0680237	142.8863525	2422.177734	128.6038055	2550.78154
10-May-19 21:39:00	94.17775726	264.6149902	143.1518555	2424.687012	137.9382935	2562.625305
10-May-19 21:40:00	94.1559906	264.7739868	143.0007935	2433.725098	140.2069397	2573.932037
10-May-19 21:41:00	94.29227448	264.5220032	143.2418823	2431.151123	132.1534424	2563.304565
10-May-19 21:42:00	94.22865295	264.7139893	143.1457367	2424.42627	127.5266876	2551.952957
10-May-19 21:43:00	94.29405975	264.7680054	143.0664063	2440.571777	133.8192749	2574.391052
10-May-19 21:44:00	94.17922974	264.8850098	143.1381073	2438.14209	140.3243713	2578.466461
10-May-19 21:45:00	94.19258118	264.8190002	143.2113647	2430.799316	135.8063507	2566.605667
10-May-19 21:46:00	94.20420837	264.7470093	143.0053711	2431.400391	127.8876648	2559.288055
10-May-19 21:47:00	94.14064789	264.9419861	143.0328369	2425.290039	129.3758087	2554.665848
10-May-19 21:48:00	94.27354431	264.6149902	143.2128906	2417.339844	139.1326904	2556.472534
10-May-19 21:49:00	94.16713715	264.6270142	143.0023193	2420.916504	139.5245972	2560.441101
10-May-19 21:50:00	94.24871063	264.7349854	143.0587769	2421.686035	130.7467957	2552.432831
10-May-19 21:51:00	94.30607605	264.7170105	142.9870605	2433.353027	127.7765198	2561.129547
10-May-19 21:52:00	94.33978271	264.2969971	142.9412689	2427.574951	135.1278687	2562.70282
10-May-19 21:53:00	94.39551544	264.4770203	143.1045532	2430.049316	140.3629456	2570.412262
10-May-19 21:54:00	94.19500732	264.6300049	142.8985596	2426.675781	134.3265381	2561.002319
10-May-19 21:55:00	94.19132996	264.6240234	142.9794159	2423.802246	127.5097656	2551.312012
10-May-19 21:56:00	94.28817749	265.0379944	143.0084229	2421.670898	131.4118042	2553.082703
10-May-19 21:57:00	94.34305573	264.6990051	142.8634644	2417.575195	140.0578003	2557.632996
10-May-19 21:58:00	94.1663208	264.6300049	142.980957	2415.596436	136.8054199	2552.401855
10-May-19 21:59:00	94.06697083	265.0560303	142.8085327	2431.760254	128.1077728	2559.868027
10-May-19 22:00:00	93.96869659	264.9419861	142.8039551	2425.121582	129.3384705	2554.460052
10-May-19 22:01:00	94.07572937	264.8249817	142.8421021	2430.972656	130.5553131	2561.527969
10-May-19 22:02:00	94.25961304	264.7590027	142.8009033	2421.827148	127.5254364	2549.352585
10-May-19 22:03:00	94.1022644	264.5910034	142.7932739	2422.473145	130.1917877	2552.664932
10-May-19 22:04:00	94.13217926	264.8670044	142.9580536	2423.017822	129.8796844	2552.897507
10-May-19 22:05:00	94.09120941	264.9869995	143.0480957	2425.003906	128.4172058	2553.421112
10-May-19 22:06:00	94.19867706	264.4829712	142.9153442	2425.887207	127.3956757	2553.282883
10-May-19 22:07:00	94.32512665	264.5250244	142.8695679	2423.289063	126.9402466	2550.229309
10-May-19 22:08:00	94.21677399	264.7170105	142.8985596	2427.685059	126.8205719	2554.50563
10-May-19 22:09:00	94.18444824	265.0500183	142.8237915	2422.605469	126.9739761	2549.579445
10-May-19 22:10:00	94.27645111	264.6660156	142.805481	2436.55127	127.4214478	2563.972717
10-May-19 22:11:00	94.31884766	264.6750183	142.779541	2423.75	128.2893982	2552.039398
10-May-19 22:12:00	94.18029785	264.9570007	142.8497314	2430.318604	129.8374634	2560.156067
10-May-19 22:13:00	94.11578369	265.0439758	142.8451538	2408.820313	131.3610687	2540.181381
10-May-19 22:14:00	94.2877121	265.2600098	142.6849365	2428.182129	132.9963226	2561.178452
10-May-19 22:15:00	94.17601776	264.9839783	142.7871704	2426.376953	135.1091614	2561.486115
10-May-19 22:16:00	94.00091553	264.9660034	142.8085327	2426.125732	136.9315186	2563.057251
10-May-19 22:17:00	94.13414764	265.1970215	142.7093506	2423.523438	139.015274	2562.538712
10-May-19 22:18:00	94.02648926	264.9089966	142.6528931	2430.494385	140.3894043	2570.883789
10-May-19 22:19:00	94.13585663	265.1610107	142.7154541	2422.487061	140.9494934	2563.436554
10-May-19 22:20:00	94.07974243	264.6990051	142.7124023	2426.627441	140.9246216	2567.552063
10-May-19 22:21:00	94.27960205	264.6539917	142.7749634	2422.859375	140.499176	2563.358551
10-May-19 22:22:00	94.08263397	264.473999	142.9504242	2419.275635	138.8773499	2558.152985
10-May-19 22:23:00	93.93981171	264.4680176	142.6986694	2434.399902	136.3418884	2570.741791
10-May-19 22:24:00	93.89826965	264.5130005	142.7780151	2421.397461	133.8013153	2555.198776
10-May-19 22:25:00	94.0085144	264.2460022	142.8848267	2420.946777	131.5361938	2552.482971
10-May-19 22:26:00	93.99893188	264.6539917	142.7062988	2422.200684	129.1210327	2551.321716
10-May-19 22:27:00	93.94780731	264.6480103	142.8466797	2428.897461	127.4917908	2556.389252
10-May-19 22:28:00	94.04473877	265.1099854	142.7246094	2426.588379	126.9526367	2553.541016
10-May-19 22:29:00	94.06083679	264.9779968	142.779541	2430.958984	127.0638809	2558.022865
10-May-19 22:30:00	94.03077698	264.678009	142.7185059	2421.576172	127.9147186	2549.490891
10-May-19 22:31:00	94.12969208	265.1219788	142.779541	2421.498535	129.8954468	2551.393982
10-May-19 22:32:00	94.10246277	265.0650024	142.6620331	2420.18457	132.5108948	2552.695465
10-May-19 22:33:00	94.01663208	264.9120178	142.6544189	2421.351318	135.2781982	2556.629517
10-May-19 22:34:00	93.94408417	264.947998	142.7154541	1814.836914	138.1110687	1952.947983
10-May-19 22:35:00	93.85463715	264.7470093	142.7032471	1813.668213	140.4432831	1954.111496
10-May-19 22:36:00	94.08945465	264.8639832	142.5384521	1813.524292	140.9231567	1954.447449
10-May-19 22:37:00	93.92331696	264.9779968	142.628479	1815.525635	140.7408752	1956.26651
10-May-19 22:38:00	93.89137268	264.6809998	142.5842285	1809.913086	139.6424255	1949.555511
10-May-19 22:39:00	93.84771729	264.7860107	142.5018158	2130.656006	136.3909912	2267.046997

Average 94.2987533 264.7271304 142.9860119 2366.749181 133.8018553 2500.551036

Appendix B – Test Section Diagrams

GASEOUS TRAVERSE FOR ROUND DUCTS



Job: New Covert Generating Station
New Covert Generating Company, LLC

Date: May 10, 2019

Test Location: EUTURBINE3/DB3 Stack

Duct Diameter: 22.1

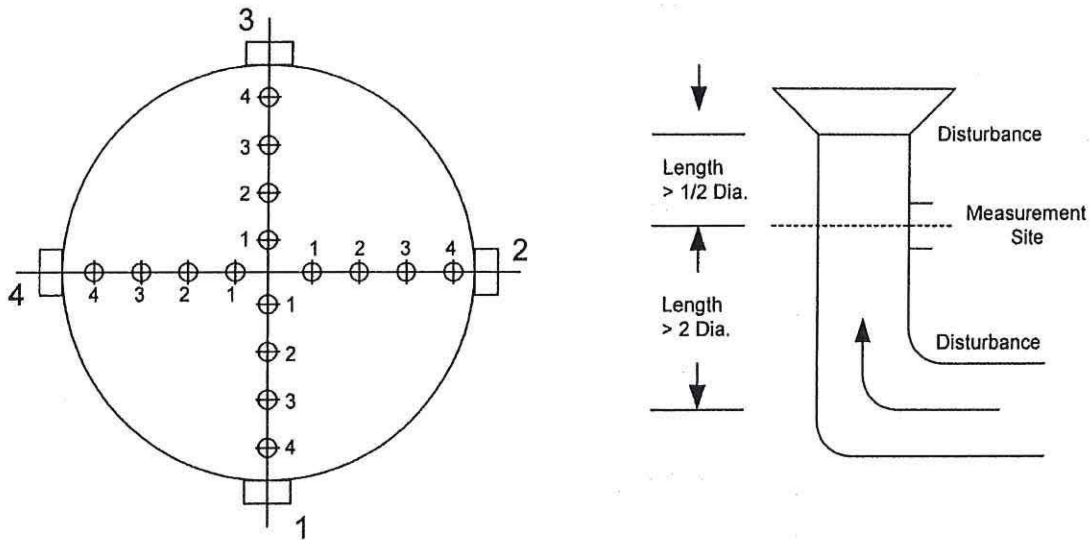
Duct Area: 383.60 Square Feet

No. Points Across Diameter: 1

No. of Ports: 1

Port Length: 12.25 inches

VOLUMETRIC FLOW RATE TRAVERSE FOR ROUND DUCTS



Job: New Covert Generating Company, LLC
New Covert Generating Station

Date: May 10, 2019

Test Location: EUTURBINE3/DB3 Stack

Duct Diameter: 22.1

Duct Area: 383.60 Square Feet

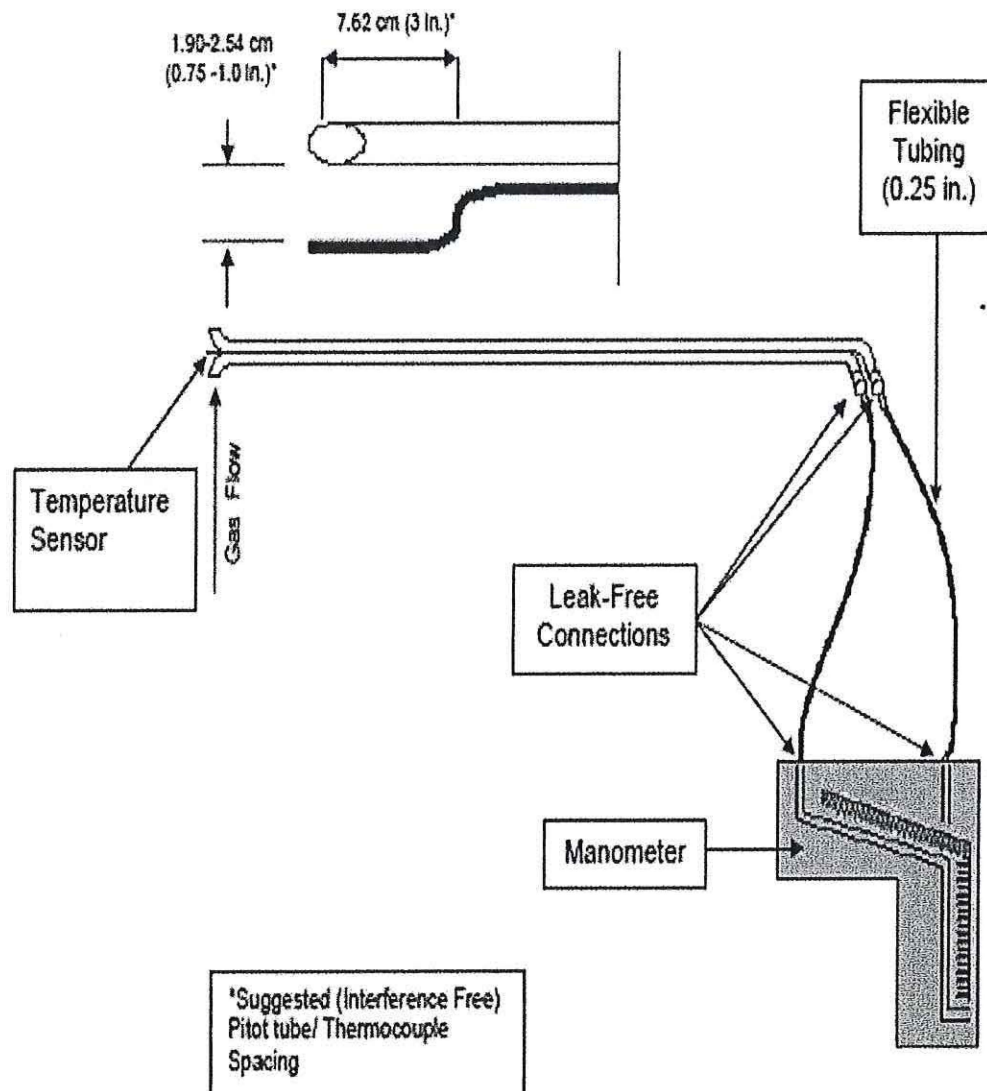
No. Points Across Diameter: 8

No. of Ports: 4

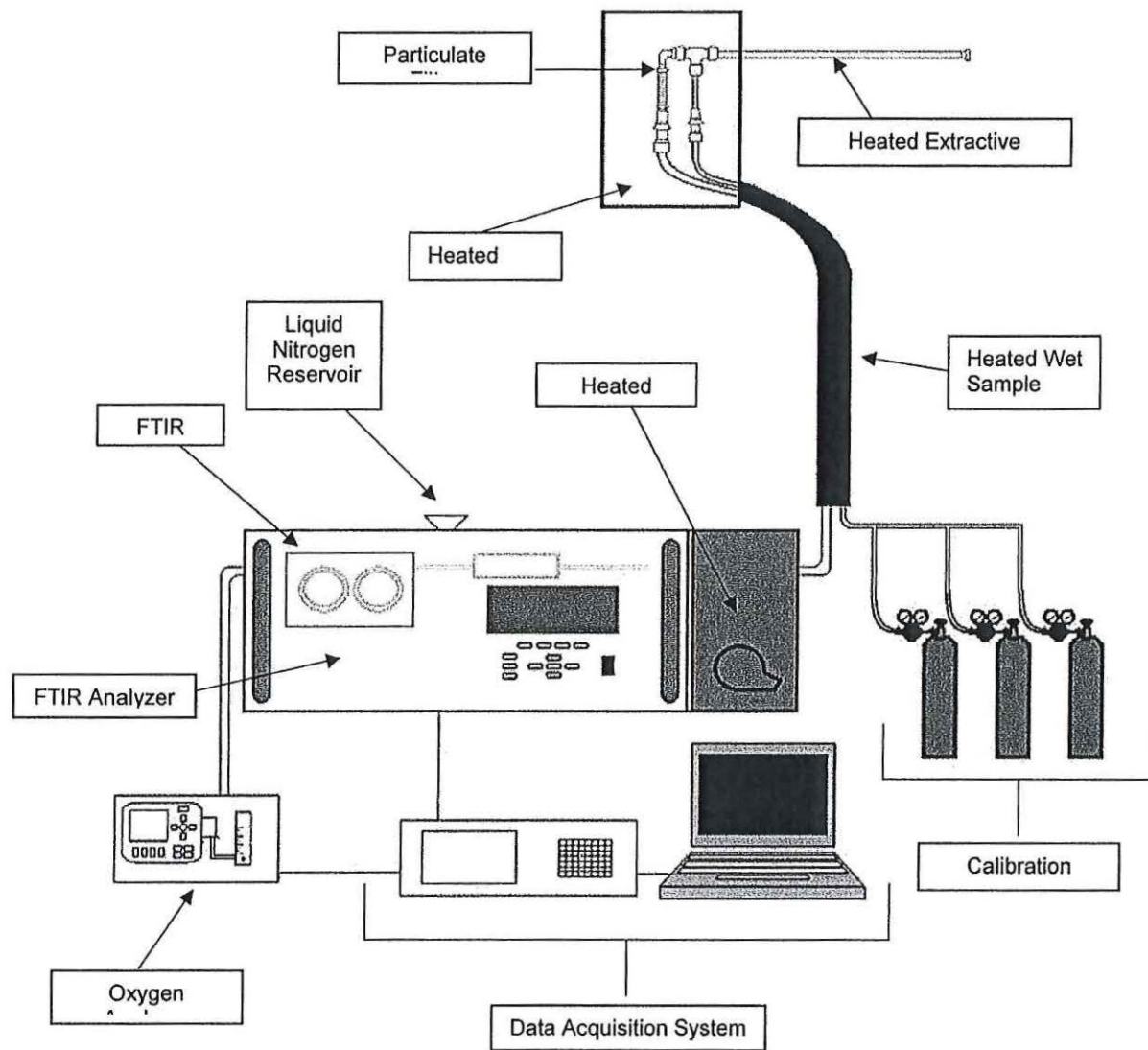
Port Length: 12.25 inches

Appendix C –Sample Train Diagrams

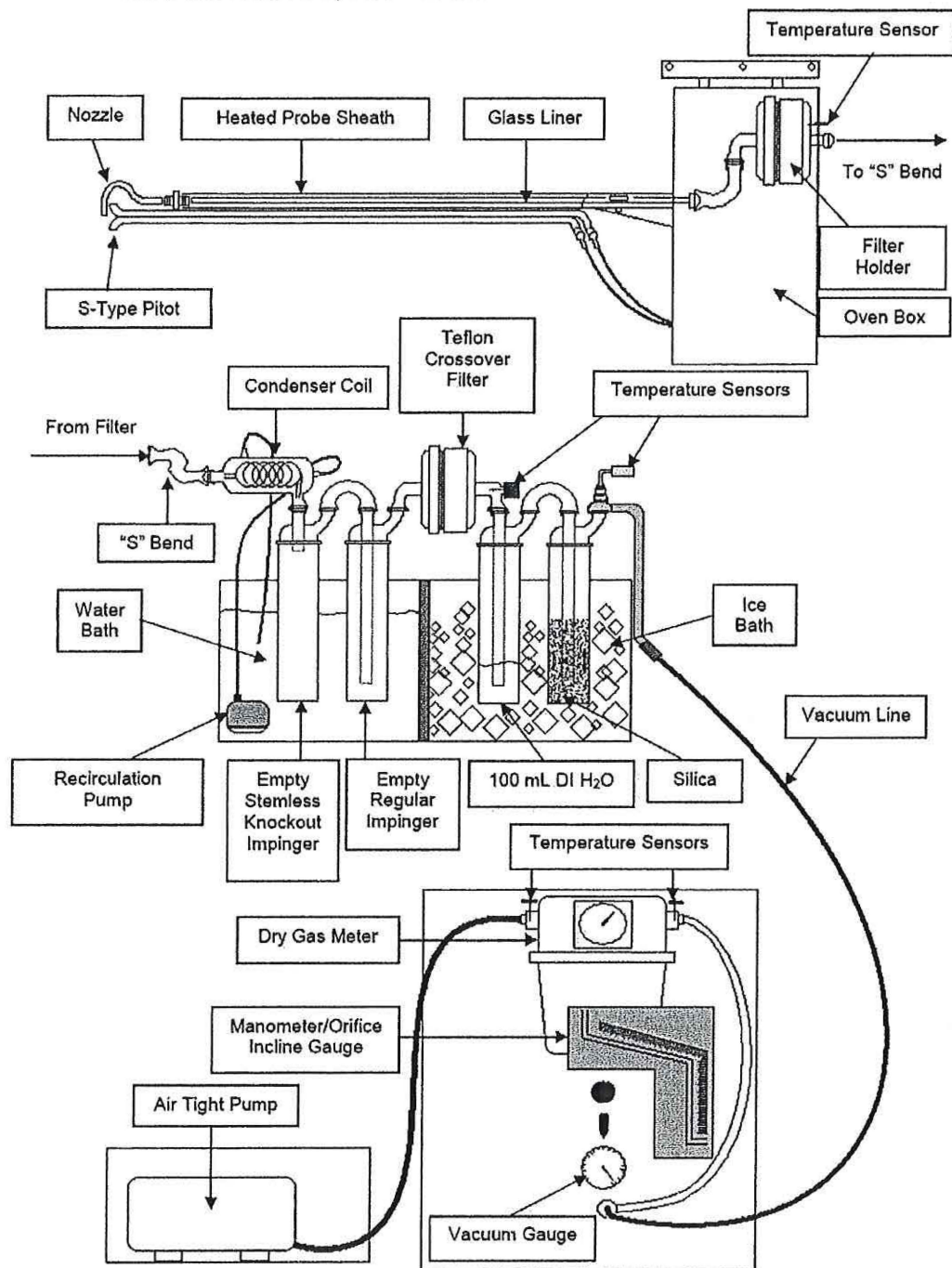
USEPA Method 2- Type S Pitot Tube Manometer Assembly



USEPA Methods 3A and 320 – Sample Train Diagram



USEPA Method 5/202- Condensable Particulate Matter

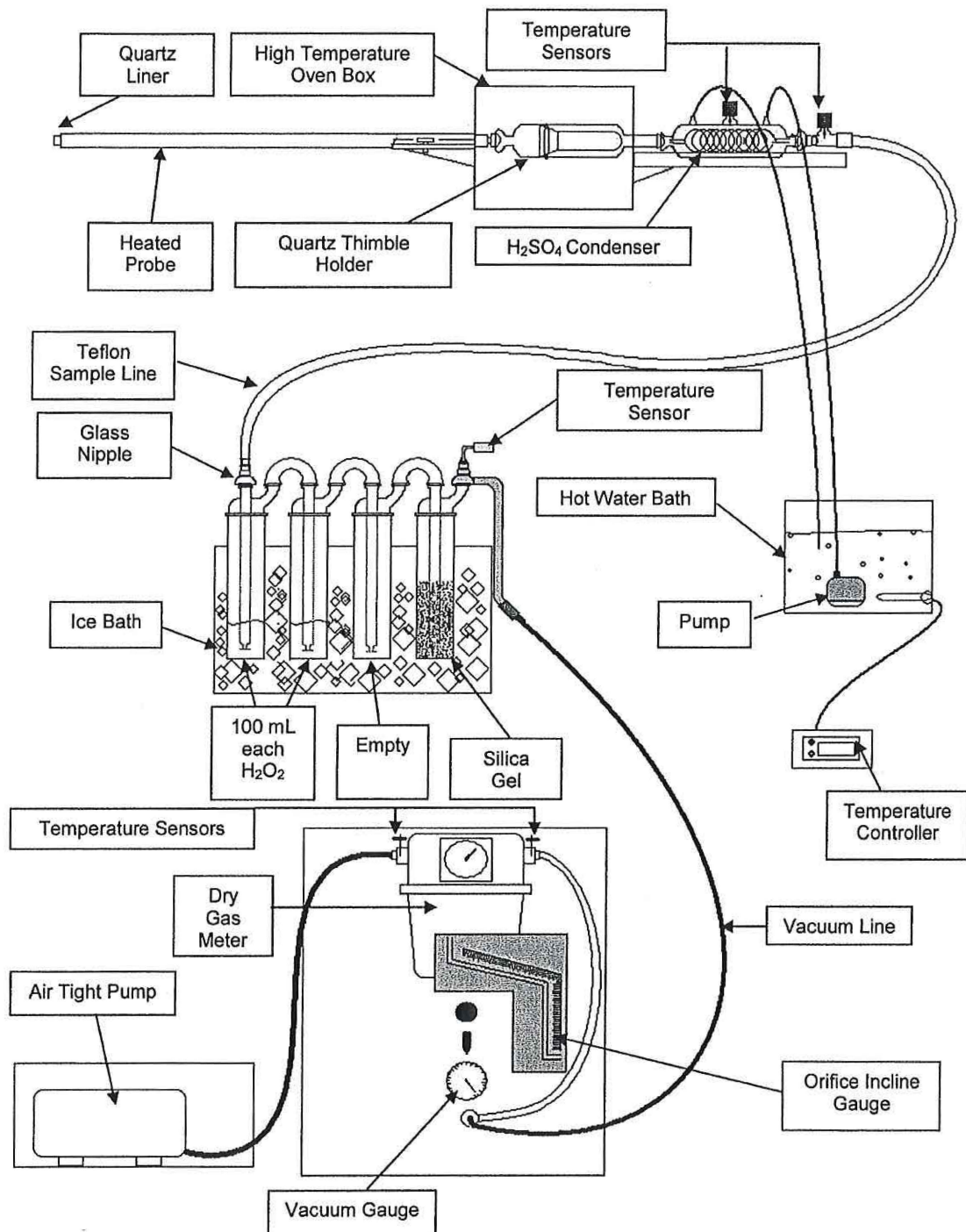


ATD-042 USEPA Method 5/202

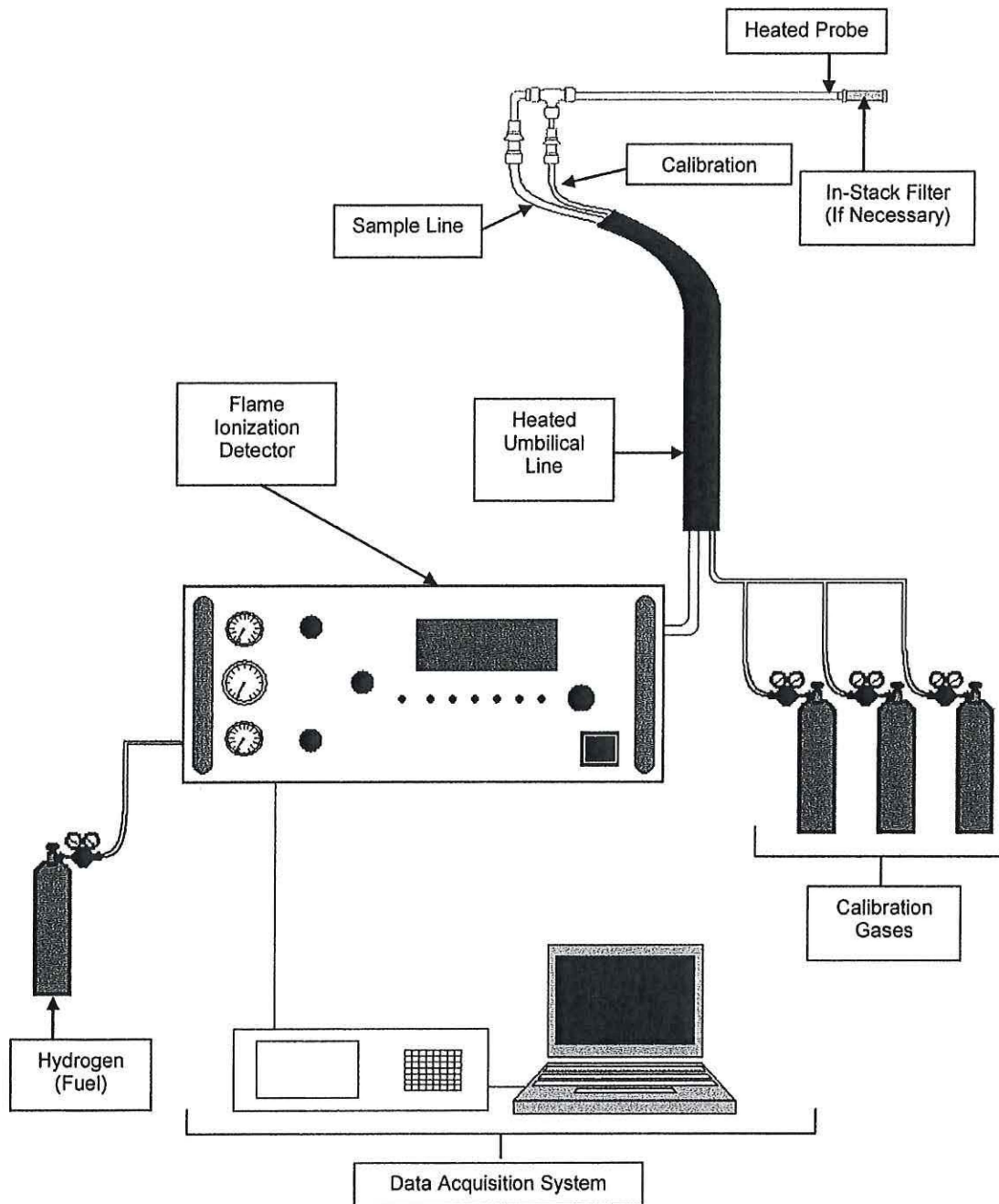
Rev. 1.1

8/17/2015

Conditional Test Method 013/CCS Sulfuric Acid Mist Sample Train Diagram



USEPA Method 25A - Total Gaseous Organic Compound Sample Train



Appendix D - Calculation Nomenclature and Formulas