

# WEST COUNTY POWER PARTNERS, LLC

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Overland Park, Kansas 66211  
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San Antonio, TX 78221  
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Florida Power & Light Company  
West County Energy Center – Unit 1&2  
Permit No. – PSD-FL-354  
DEP File No. – 0990646-001-AC

RECEIVED  
AUG 17 2009

WCPP Project 144553  
WCPP Files 14.0200/32.0440  
WCPP-2009-TP-517  
August 14, 2009

E-mail, Express Mail

Ms. Trina Vielhauer

BUREAU OF AIR REGULATION

Florida Department of Environmental Protection  
Division of Air Resource Management  
Bureau of Air Regulation, Bureau Chief  
2600 Blair Stone Road, MS 5500  
Tallahassee, FL 32399-2400

Subject: Compliance with Distillate Fuel Oil Sulfur  
Limit (Emergency Diesel Fire Pump  
Engine) and Diesel Fire Pump Engine  
Certification

Dear Ms. Vielhauer:

On behalf of Florida Power & Light Company (FPL) and its Designated Representative, Sheila M. Wilkinson, the West County Power Partners, LLC (WCPP), EPC Contractor for construction of the new combined cycle generating unit at the FPL West County Energy Center – Unit 1&2, is submitting notification of compliance with the distillate fuel oil sulfur limit (shall contain no more than 0.05% sulfur by weight) and the manufacturer certification for the diesel fire pump engine.

FPL West County Energy Center's Air Permit (Permit No. PSD-FPL-354), Section III. Emergency Diesel Fire Pump (ID: 012), #4. Authorized Fuel, states the following:

"Compliance with the distillate fuel oil sulfur limit shall be demonstrated by taking a sample, analyzing the sample for fuel sulfur, and reporting the results to each Compliance Authority before initial startup. Sampling the fuel oil sulfur content shall be conducted in accordance with ASTM D4057-88, Standard Practice for Manual Sampling of Petroleum And Petroleum Products, and one of the following test methods for sulfur in petroleum products: ASTM methods D5453-00, D129-91, D1552-90, D2622-94, or D4294-90. More recent versions of these methods may be used."

In accordance with these conditions, West County Power Partners is hereby submitting the analytical results for the sulfur sampling of the distillate fuel oil. Please note the test results were 5.5 ppm which is equivalent to 0.00055%. Attached is the analytical report of the sulfur in the distillate fuel oil.

FPL West County Energy Center's Air Permit (Permit No. PSD-FPL-354), Section III. Emergency Diesel Fire Pump (ID: 012), #6. Fire Pump Engine Certification, states the following:

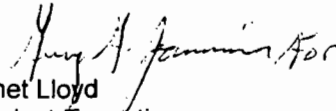
"Manufacturer certification shall be provided to the Department in lieu of actual testing. [Rule 62-212.400 (BACT), F.A.C. and 40 CFR 60.411]"

In accordance with these conditions, West County Power Partners is hereby submitting the manufacturer's certification.

If you have any questions about this notification, please contact Terry Apple at (913) 458-7220 or John Tidwell at (561) 784-8048.

Very truly yours,

WEST COUNTY POWER PARTNERS, LLC

  
Chet Lloyd  
Project Executive

Enclosures

WS:hs

cc: Dave McNeal, USEPA Air, Pesticides and Toxics Management  
Kevin Tran, USEPA Clean Air Markets Division  
Errin Pichard, FDEP Air Resource Management  
Lee Hoefert, FDEP Southeast District  
Tim Gray, FDEP Southeast District  
Tom Cascio, FDEP Bureau of Air Regulation  
Mike Halpin, FDEP Siting Coordination Office  
K. M. Davis, FPL ACG/GO  
Sheila M. Wilkinson, FPL Designated Rep  
Laxmana Tallam, PBC Health Department  
Jim Stormer, PBC Health Department  
Tom Tittle, PBC Health Department  
Tom Young, FPL Construction Project General Manager  
Jan Kirwan, FPL Environmental Specialist  
Carmine Priore, FPL Plant General Manager  
Chet Lloyd, WCPP Project Executive  
John Tidwell, WCPP Senior Project Manager  
Pat Odell, WCPP Site Environmental Manager  
Terry Apple, WCPP Project Manager/ Project File  
William Stevenson, WCPP Environmental Specialist



KMT Labs  
600 E 17th St S  
Newton, IA 50208

## ANALYTICAL REPORT

March 23, 2009

Work Order: 99C0009

Page 1 of 1

**Report To:**

Terrence Anderson  
Xenco Laboratories  
10200 USA Today Way  
Miramar, FL 33025

Project : Sulfur in Diesel

Project Number: 327736

Analyte	Result	MRL	Method	Analyzed
Name: 327736-001	NA		Matrix: Diesel Fuel	Collected: 03/10/09 10:50
Sulfur	5.5 ppm (wt)	5.0	ASTM D2622	03/23/09 11:53

End of Report

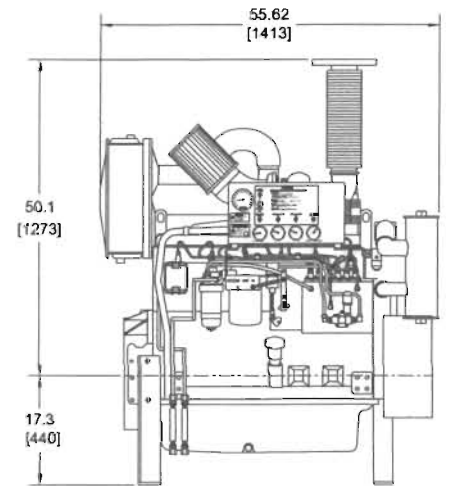
Keystone Laboratories, Inc.

Josh King  
Business Manager

### FM-UL-CUL APPROVED RATINGS BHP/KW

JW6H MODEL	RATED SPEED					
	1760		2000		2350	
UF38*	252	188				
UF30*	265	198	275	205	275	205
UF48*	290	216				
UF40*	290	216	300	224	300	224
UF58*	300	224				
UF50*	300	224	340	254	350	261
UFH8*	330	246				
UF60*	360	268	375	280	360	268
UFAAM8**, **	373	278				
UFAA80**, **	422	315	400	298		

\*All engine models and ratings are for installation outside of the USA  
 \*\*FM pending and UL pending



JW6H-UF50  
 OVERALL WIDTH  
 29.5  
 [749]

### SPECIFICATIONS

ITEM	JW6H MODELS									
	UF38	UF30	UF48	UF40	UF58	UF50	UFH8	UF60	UFAAM8	UFAA80
Number of Cylinders	6									
Aspiration	TJWA					TRWA				
Rotation*	Clockwise (CW)									
Weight - lb (kg)	2012 (910)		2003 (906)			2053 (929)		2099 (948)		
Compression Ratio	16.5:1		15.7:1					16.0:1		
Displacement - cu. in. (l)	496 (8.1)					551 (9.0)				
Engine Type	4 Stroke Cycle - Inline Construction									
Bore & Stroke - in. (mm)	4.56 x 5.06 (116 x 127)								4.66 x 5.35 (118 x 136)	
Installation Drawing	D - 495								D - 627-US	
Wiring Diagram	C07602								AC Heater C07591 DC C071360, C071369, C071364	
Engine Series	John Deere 6081 Series								John Deere 6090 Series Power Tech E	
Speed Interpolation	No	Yes	No	Yes	No	Yes	No	Yes	No	Opt.

Abbreviations: CW – Clockwise TJWA – Turbocharged & Aftercooled TRWA – Turbocharged with Raw Water Aftercooling

\*Rotation viewed from Heat Exchanger / Front of engine • CCW Rotation is not available

#### † ENGINE RATINGS BASELINES

- Engines are rated at standard SAE conditions of 29.61 in. (7521 mm) Hg barometer and 77°F (25°C) inlet air temperature [approximates 300 ft. (91.4 m) above sea level] by the testing laboratory (see SAE Standard J 1349).
- A deduction of 3 percent from engine horsepower rating at standard SAE conditions shall be made for diesel engines for each 1000 ft. (305 m) altitude above 300 ft. (91.4 m).
- A deduction of 1 percent from engine horsepower rating as corrected to standard SAE conditions shall be made for diesel engines for every 10°F (5.6°C) above 77°F (25°C) ambient temperature.
- Note: Engines certified at any speed between 1760 & 2350 RPM.
- Note: Engines are not to be used for continuous duty. Engines are to be used

only for stationary emergency standby fire pump service. According to NFPA 25 engines are to be tested 30 minutes per week at no pump flow and full pump flow once per year.

#### CERTIFIED POWER AT ANY SPEED

- Although FM-UL Certified BHP ratings are shown at specific speeds, Clarke engines can be applied at any intermediate speed. To determine the intermediate certified power, make a linear interpolation from the Clarke FM-UL certified power curve. Contact Clarke or your Pump OEM representative to obtain details.
- JW6H-UFAA80 Certified BHP ratings are shown at specific speeds, and can be applied at a single rated RPM setting ±50 RPM. This engine with optional speed interpolation can be factory set at any intermediate speed.



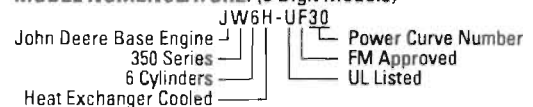
## ENGINE EQUIPMENT

EQUIPMENT	STANDARD	OPTIONAL
<b>Air Cleaner</b>	Direct Mounted, Washable, Indoor Service	Disposable, Drip proof, Indoor Service, Outdoor Type
<b>Alternator</b>	12V-DC, 42 Amps; w/Belt Guard	24V-DC, 40 Amps; w/Belt Guard
<b>Exhaust Blankets</b>	For Manifolds & Turbocharger	
<b>Coupling</b>	Bare Flywheel	Listed Drive Shaft & Guard, CDS50-SC UF30/38/40/48/50/58/H8/60/AAM8 at 1760 and 2100 RPM only, UFAA80 at 2100 RPM only, Non-Listed Drive Shaft & Guard SC2145 UFAA80 at 1760 RPM only
<b>Exhaust Flex Connection</b>	SS Flex, 150# Flange, 6"	SS Flex, 150# Flange, 8"
<b>Flywheel Housing</b>	S.A.E. #3	
<b>Flywheel Power Take Off</b>	11.5" S.A.E. Industrial Flywheel Connection	
<b>Fuel Connections</b>	Fire Resistant Flexible Supply & Return Lines	
<b>Fuel Filter</b>	Primary & Secondary w/priming pump	
<b>Fuel Injection System</b>	Bosch Direct Injection, inline	
<b>Engine Heater</b>	230V-AC, 2500 Watt	115V-AC, 2500 Watt
<b>Governor, Speed</b>	Constant Speed, Mechanical	
<b>Heat Exchanger</b>	Tube & Shell Type, 60 PSI w/NPTF Connections	
<b>Instrument Panel</b>	English & Metric, Tachometer, Hourmeter, Water Temperature, Oil Pressure & Two (2) Voltmeters	
<b>Junction Box</b>	Integral with Instrument Panel; For DC Wiring Interconnection to Engine Controller	
<b>Lube Oil Cooler</b>	Engine Water Cooled, Plate Type	
<b>Lube Oil Filter</b>	Full Flow w/By-Pass Valve	
<b>Lube Oil Pump</b>	Gear Driven, Gear Type	
<b>Manual Start Controls</b>	On Instrument Panel	
<b>Overspeed Control</b>	Electronic w/Reset & Test on Instrument Panel	
<b>Raw Water Solenoid Operation</b>	Automatic from Engine Controller & from Instrument Panel	
<b>Run-Stop Control</b>	On Instrument Panel w/Control Position Warning Light	
<b>Run Solenoid</b>	12V-DC Energized to Run	24V-DC Energized to Run 12V-DC Energized to Stop 24V-DC Energized to Stop
<b>Starters</b>	One (1) 12V-DC w/2 start contactors	One (1) 24V-DC w/2 start contactors
<b>Throttle Control</b>	Adjustable Speed Control, Tamper Proof	
<b>Water Pump</b>	Gear Driven, Centrifugal Type	

**MODEL NOMENCLATURE: (10 Digit Models)**



**MODEL NOMENCLATURE: (8 Digit Models)**



**CLARKE**® Fire Protection Products, Inc.

3133 E. Kemper Rd., Cincinnati, Ohio 45241

United States of America

Tel +1-513-771-2200 Fax +1-513-771-0726

www.clarkefire.com

**CLARKE**® UK, Ltd.

Grange Works, Lomond Rd., Coatbridge, ML5-2NN

United Kingdom

Tel +44-1236-429946 Fax +44-1236-427274

www.clarkefire.com

**JW6H-UF30**  
**Stationary Fire Pump Engine Driver**  
**EMISSION DATA**  
**EPA 40 CFR Part 60**

6 Cylinders  
 Four Cycle  
 Lean Burn  
 Turbocharged & Jacket Water Aftercooled

500 PPM SULFUR #2 DIESEL FUEL								
RPM	BHP <sup>(3)</sup>	FUEL GAL/HR (L/HR)	GRAMS / HP- HR				EXHAUST	
			NMHC	NOx	CO	PM <sup>(4)</sup>	°F (°C)	CFM (m <sup>3</sup> /min)
1760	265	14 (53)	0.36	7.40	0.86	0.16	840 (435)	1404 (40)
2100	275	15 (58)	0.37	6.43	0.35	0.13	750 (385)	1644 (47)
2350	275	16 (61)	0.49	5.63	0.41	0.14	737 (392)	1908 (54)

*Notes:*

- 1) 6081AF001 Base Engine Model manufactured by John Deere Corporation.  
 For John Deere Emissions Conformance to EPA 40 CFR Part 60 see Page 2 of 2.
- 2) The Emission Warranty for this engine is provided directly to the owner  
 by John Deere Corporation. A copy of the John Deere Emission Warranty can  
 be found in the Clarke Operation and Maintenance Manual.
- 3) Engines are rated at standard conditions of 29.61in. (7521 mm) Hg barometer  
 and 77°F (25° C) inlet air temperature. (SAE J1349)
- 4) PM is a measure of total particulate matter, including PM<sub>10</sub>.

**CLARKE**

FIRE PROTECTION PRODUCTS  
 3133 EAST KEMPER ROAD  
 CINCINNATI, OH 45241

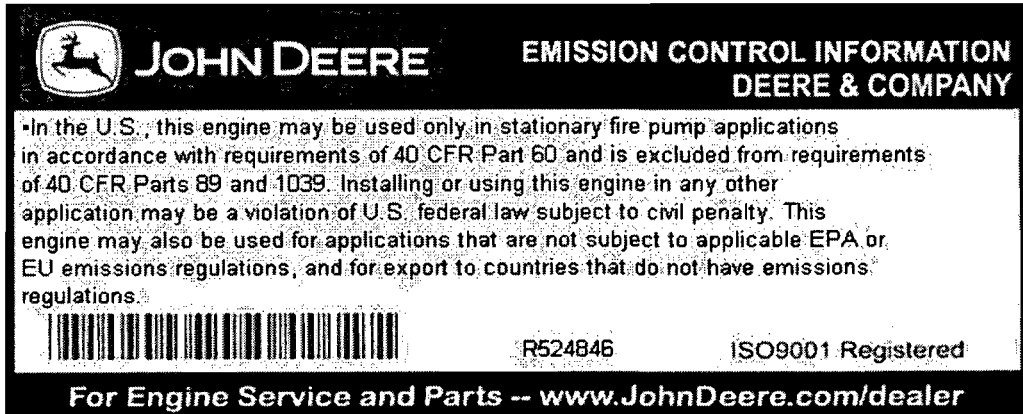


John Deere Power Systems  
 3801 W. Ridgeway Ave., PO Box 5100  
 Waterloo, Iowa USA 50704-5100

31 October 2007

**Subject: Fire Pump Ratings – Conformance to EPA 40 CFR Part 60 (NSPS requirements)**

All John Deere stationary fire pump engines conform to the requirements of 40 CFR Part 60. All such engines include an emission label, stating the engine conforms to the requirements of 40 CFR Part 60. An example of the emission label is show below:



This label applies to all of the following engine models, sold to Clarke Fire Protection, for use in stationary fire pump applications:

John Deere Engine Model
<b>4045DF120</b>
<b>4045DF159</b>
<b>4045TF252</b>
<b>4045TF254</b>
<b>4045TF220</b>
<b>6068TF252</b>
<b>6068TF254</b>
<b>6068HF252</b>
<b>6068HF254</b>
<b>6068HF120</b>
<b>6068TF220</b>
<b>6081AF001</b>
<b>6081HF001</b>
<b>6125AF001</b>
<b>6125HF070</b>

All engines conforming to 40 CFR Part 60 (identified by emission label, as shown above) are covered under the emissions warranty of 40 CFR Part 89.

Sincerely,

Kyle J. Tingle  
 Regional Sales Manager, JDPS





*Fire Protection Products, Inc.*

NSPS Compliant Fire Pump Driver Models and Ratings Based on Emission  
Correction for EPA Stationary Fire Pumps Standards  
For USA Installations prior to 2009

**Heat Exchanger Cooled**

ENGINE INFORMATION			EMISSION OUTPUTS				EMISSION LIMITS		
CLARKE MODEL NUMBER	RPM	NAMEPLATE BHP	g / HP-hr				g / HP-hr		
			NHMC	Nox	CO	PM	NOx + NMHC	CO	PM
JU4H-UF10	1760	41	0.91	5.78	1.70	0.46	7.1	4.1	0.60
JU4H-UF10	2100	51	0.86	5.46	1.67	0.40	7.8	3.7	0.60
JU4H-UF10	2350	55	0.78	4.80	1.85	0.40	7.8	3.7	0.60
JU4H-UF12	2350	55	0.78	4.80	1.85	0.40	7.8	3.7	0.60
JU4H-UF12	2600	59	0.95	4.30	2.30	0.40	7.8	3.7	0.60
JU4H-UF14	2800	70	0.77	3.79	2.38	0.16	7.8	3.7	0.60
JU4H-UF14	3000	71	0.83	3.64	2.80	0.18	7.8	3.7	0.60
JU4H-UF28	1760	60	0.39	5.41	0.87	0.24	7.8	3.7	0.60
JU4H-UF20	1760	60	0.39	5.41	0.87	0.24	7.8	3.7	0.60
JU4H-UF20	2100	67	0.53	5.05	1.07	0.24	7.8	3.7	0.60
JU4H-UF20	2350	72	0.58	4.49	1.24	0.25	7.8	3.7	0.60
JU4H-UF22	2350	72	0.58	4.49	1.24	0.25	7.8	3.7	0.60
JU4H-UF22	2600	75	0.60	4.06	1.59	0.28	7.8	3.7	0.60
JU4H-UF24	2800	80	0.37	4.16	1.71	0.15	7.8	3.7	0.60
JU4H-UF24	3000	83	0.41	4.29	2.36	0.18	7.8	3.7	0.60
JU4H-UF30	1760	64	0.40	5.41	0.50	0.17	7.8	3.7	0.60
JU4H-UF30	2100	79	0.37	4.66	0.46	0.16	7.8	3.7	0.60
JU4H-UF30	2350	85	0.45	4.33	0.51	0.20	7.8	3.7	0.60
JU4H-UF32	2350	85	0.45	4.33	0.51	0.20	7.8	3.7	0.60
JU4H-UF32	2600	85	0.53	4.06	0.60	0.28	7.8	3.7	0.60
JU4H-UF34	2800	104	0.36	3.15	0.75	0.12	7.8	3.7	0.60
JU4H-UF34	3000	115	0.33	3.23	0.90	0.13	7.8	3.7	0.60
JU4H-UFH8	1760	73	0.33	5.47	0.34	0.17	7.8	3.7	0.60
JU4H-UFH0	1760	73	0.33	5.47	0.34	0.17	7.8	3.7	0.60
JU4H-UFH0	2100	88	0.34	4.75	0.38	0.16	7.8	3.7	0.60
JU4H-UFH0	2350	98	0.31	4.42	0.40	0.18	7.8	3.7	0.60
JU4H-UFH2	2350	98	0.31	4.42	0.40	0.18	7.8	3.7	0.60
JU4H-UFH2	2600	99	0.39	4.05	0.49	0.22	7.8	3.7	0.60
JU4H-UF40	1760	94	0.25	5.68	0.38	0.21	7.8	3.7	0.60
JU4H-UF40	2100	105	0.26	4.94	0.28	0.15	7.8	3.7	0.60
JU4H-UF40	2350	106	0.28	4.58	0.35	0.16	7.8	3.7	0.60
JU4H-UF42	2350	106	0.28	4.58	0.35	0.16	7.8	3.7	0.60
JU4H-UF42	2600	106	0.34	4.18	0.46	0.21	7.8	3.7	0.60
JU4H-UF58	1470	79	0.19	5.88	1.88	0.46	7.8	3.7	0.60
JU4H-UF58	1760	110	0.16	6.07	0.87	0.30	7.8	3.7	0.60
JU4H-UF50	2100	130	0.19	5.93	0.29	0.14	7.8	3.7	0.60
JU4H-UF50	2350	127	0.16	5.23	0.26	0.13	7.8	3.7	0.60
JU4H-UF52	2350	127	0.16	5.23	0.26	0.13	7.8	3.7	0.60
JU4H-UF52	2600	127	0.20	4.78	0.33	0.17	7.8	3.7	0.60
JU4H-UF54	2800	145	0.20	3.48	0.70	0.11	7.8	3.7	0.60
JU4H-UF54	3000	145	0.21	3.57	0.85	0.13	7.8	3.7	0.60
JU6H-UFD0	1760	110	0.30	5.29	0.40	0.19	7.8	3.7	0.60
JU6H-UFD0	2100	144	0.27	4.50	0.40	0.19	7.8	3.7	0.60
JU6H-UFD0	2350	148	0.32	4.32	0.42	0.24	7.8	3.7	0.60
JU6H-UFD2	2350	148	0.32	4.32	0.42	0.24	7.8	3.7	0.60
JU6H-UFD2	2600	148	0.44	4.32	0.52	0.29	7.8	3.7	0.60
JU6H-UF30	1760	140	0.23	4.96	0.33	0.19	7.8	3.7	0.60
JU6H-UF30	2100	160	0.25	4.39	0.39	0.20	7.8	3.7	0.60
JU6H-UF30	2350	160	0.26	4.26	0.39	0.19	7.8	3.7	0.60
JU6H-UF32	2350	160	0.28	4.26	0.39	0.19	7.8	3.7	0.60
JU6H-UF32	2600	160	0.33	4.28	0.47	0.25	7.8	3.7	0.60
JU6H-UF34	2800	160	0.33	3.67	0.95	0.26	7.8	3.7	0.60
JU6H-UF34	3000	175	0.29	4.13	1.17	0.30	7.8	2.6	0.40
JU6H-UF68	1760	149	0.21	4.99	0.33	0.19	7.8	3.7	0.60
JU6H-UFM8	1760	175	0.17	5.28	0.34	0.17	7.8	2.6	0.40
JU6H-UFM0	1760	175	0.17	5.28	0.34	0.17	7.8	2.6	0.40
JU6H-UFM0	2100	207	0.17	4.93	0.41	0.16	7.8	2.6	0.40
JU6H-UFM0	2350	200	0.22	4.58	0.43	0.16	7.8	2.6	0.40
JU6H-UFM2	2350	200	0.22	4.58	0.43	0.16	7.8	2.6	0.40
JU6H-UFM2	2600	200	0.27	4.70	0.54	0.22	7.8	2.6	0.40
JU6H-UF58	1470	138	0.15	5.78	0.94	0.35	7.8	3.7	0.60
JU6H-UF58	1760	183	0.16	5.29	0.39	0.17	7.8	2.6	0.40
JU6H-UF50	2100	210	0.17	4.96	0.41	0.15	7.8	2.6	0.40
JU6H-UF50	2350	210	0.20	4.70	0.46	0.15	7.8	2.6	0.40
JU6H-UF52	2350	210	0.20	4.70	0.46	0.15	7.8	2.6	0.40
JU6H-UF52	2600	210	0.20	4.72	0.57	0.22	7.8	2.6	0.40
JU6H-UF54	2800	216	0.17	4.36	0.98	0.24	7.8	2.6	0.40
JU6H-UF54	3000	216	0.19	4.67	1.13	0.25	7.8	2.6	0.40
JU6H-UF68	1760	200	0.13	4.24	0.48	0.22	7.8	2.6	0.40
JU6H-UF60	2100	240	0.18	3.26	0.54	0.20	7.8	2.6	0.40
JU6H-UF60	2350	240	0.22	2.88	0.59	0.22	7.8	2.6	0.40
JU6H-UF62	2350	240	0.22	2.88	0.59	0.22	7.8	2.6	0.40
JU6H-UF62	2600	240	0.26	2.76	0.80	0.30	7.8	2.6	0.40
JU6H-UF84	2800	259	0.16	2.75	0.60	0.28	7.8	2.6	0.40
JU6H-UF84	3000	275	0.13	2.83	0.75	0.34	7.8	2.6	0.40



ENGINE INFORMATION			EMISSION OUTPUTS				EMISSION LIMITS		
CLARKE MODEL NUMBER	RPM	NAMEPLATE BHP	g / HP-hr				g / HP-hr		
			NHMC	Nox	CO	PM	NOx + NMHC	CO	PM
JW6H-UF38	1760	252	0.27	7.43	0.87	0.17	7.8	2.6	0.40
JW6H-UF30	1760	265	0.36	7.40	0.86	0.16	7.8	2.6	0.40
JW6H-UF30	2100	275	0.37	6.43	0.35	0.13	7.8	2.6	0.40
JW6H-UF30	2350	275	0.49	5.83	0.41	0.14	7.8	2.6	0.40
JW6H-UF48	1760	290	0.30	5.43	0.51	0.13	7.8	2.6	0.40
JW6H-UF40	1760	290	0.30	5.43	0.51	0.13	7.8	2.6	0.40
JW6H-UF40	2100	300	0.29	4.36	0.32	0.12	7.8	2.6	0.40
JW6H-UF40	2350	300	0.39	3.72	0.41	0.16	7.8	2.6	0.40
JW6H-UF58	1760	300	0.31	5.20	1.01	0.23	7.8	2.6	0.40
JW6H-UF50	1760	300	0.31	5.20	1.01	0.23	7.8	2.6	0.40
JW6H-UF50	2100	340	0.36	4.31	0.40	0.17	7.8	2.6	0.40
JW6H-UF50	2350	350	0.52	3.67	0.48	0.21	7.8	2.6	0.40
JW6H-UF60	1760	360	0.20	5.23	0.81	0.20	7.8	2.6	0.40
JW6H-UF60	2100	375	0.34	4.30	0.24	0.19	7.8	2.6	0.40
JW6H-UF60	2350	360	0.46	3.68	0.47	0.20	7.8	2.6	0.40
JX6H-UF30	1470	350	0.08	7.10	0.69	0.05	7.8	2.6	0.40
JX6H-UF30	1760	420	0.10	6.64	0.49	0.06	7.8	2.6	0.40
JX6H-UF30	2100	430	0.16	6.13	0.43	0.08	7.8	2.6	0.40
JX6H-UF40	1760	460	0.09	5.11	0.47	0.07	7.8	2.6	0.40
JX6H-UF40	2100	485	0.15	4.71	0.33	0.08	7.8	2.6	0.40
JX6H-UF50	1760	485	0.10	4.92	0.42	0.08	7.8	2.6	0.40
JX6H-UF50	2100	510	0.14	4.69	0.31	0.08	7.8	2.6	0.40
JX6H-UF60	1760	510	0.09	4.81	0.47	0.06	7.8	2.6	0.40
JX6H-UF60	2100	525	0.13	4.67	0.29	0.07	7.8	2.6	0.40
JX6H-UF70	1760	575	0.07	4.83	0.75	0.08	7.8	2.6	0.40
JX6H-UF70	2100	575	0.12	4.63	0.29	0.06	7.8	2.6	0.40

**Radiator Cooled**

ENGINE INFORMATION			EMISSION OUTPUTS (1)				EMISSION LIMITS		
CLARKE MODEL NUMBER	RPM	NAMEPLATE BHP	g / HP-hr				g / HP-hr		
			NHMC	Nox	CO	PM	NOx + NMHC	CO	PM
JU4R-UF09	1760	39	0.91	5.78	1.70	0.46	7.1	4.1	0.60
JU4R-UF09	2100	48	0.86	5.46	1.67	0.40	7.1	4.1	0.60
JU4R-UF09	2350	52	0.78	4.80	1.85	0.40	7.8	3.7	0.60
JU4R-UF11	2350	52	0.78	4.80	1.85	0.40	7.8	3.7	0.60
JU4R-UF11	2600	55.5	0.95	4.30	2.30	0.40	7.8	3.7	0.60
JU4R-UF13	2800	66.5	0.77	3.79	2.38	0.16	7.8	3.7	0.60
JU4R-UF13	3000	66.5	0.83	3.64	2.80	0.18	7.8	3.7	0.60
JU4R-UF19	1760	58.5	0.39	5.41	0.87	0.24	7.8	3.7	0.60
JU4R-UF19	2100	64.5	0.53	5.05	1.07	0.24	7.8	3.7	0.60
JU4R-UF19	2350	68	0.58	4.49	1.24	0.25	7.8	3.7	0.60
JU4R-UF21	2350	68	0.58	4.49	1.24	0.25	7.8	3.7	0.60
JU4R-UF21	2600	70.5	0.60	4.06	1.59	0.28	7.8	3.7	0.60
JU4R-UF23	2800	76.5	0.37	4.16	1.71	0.15	7.8	3.7	0.60
JU4R-UF23	3000	78	0.41	4.29	2.36	0.18	7.8	3.7	0.60
JU4R-UF40	1760	94	0.25	5.68	0.36	0.21	7.8	3.7	0.60
JU4R-UF40	2100	105	0.26	4.94	0.28	0.15	7.8	3.7	0.60
JU4R-UF40	2350	106	0.28	4.58	0.35	0.16	7.8	3.7	0.60
JU4R-UF49	2100	123	0.19	5.93	0.29	0.14	7.8	3.7	0.60
JU4R-UF49	2350	117	0.16	5.23	0.26	0.13	7.8	3.7	0.60
JU4R-UF51	2350	119	0.16	5.23	0.26	0.13	7.8	3.7	0.60
JU4R-UF51	2600	119	0.20	4.78	0.33	0.17	7.8	3.7	0.60
JU4R-UF53	2800	135	0.20	3.48	0.70	0.11	7.8	3.7	0.60
JU4R-UF53	3000	133	0.21	3.57	0.85	0.13	7.8	3.7	0.60

**Disclaimer**

- Stationary diesel-fueled compression ignition engines manufactured after July 1, 2006 for installations within U.S. are subject to the proposed EPA new source performance standards (the "NSPS"), Federal Code of Regulations Title 40 Chapter 1, part 60.
- The reverse side of this document shows the emissions from this model engine supplied by Clarke Fire Protection Products ("Clarke"). These emissions values are calculated based on an ISO 8178 part 4 D1 cycle weighted average of actual testing.
- Actual test data in the field or other information established by the local air districts or the EPA that show actual emissions from an engine supplied by Clarke in excess of the NSPS limitations could indicate a violation of the NSPS and subject the owner and/or operator of the engine to penalties under federal law. Although Clarke believes that the engines supplied by Clarke comply with the NSPS based on the available data, for the foregoing reasons, Clarke cannot, and does not, guarantee that its engines will comply with the NSPS emission regulations.
- CLARKE MAKES NO WARRANTIES OR GUARANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT THE ENGINES SUPPLIED BY CLARKE WILL COMPLY WITH THE NSPS. CLARKE ALSO EXPRESSLY DISCLAIMS THAT THE ENGINES SUPPLIED BY CLARKE WILL, IN FACT, COMPLY WITH THE NSPS. IN NO EVENT SHALL CLARKE BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH THESE TERMS AND CONDITIONS OR THE ENGINES SUPPLIED BY CLARKE OR FOR INDEMNIFICATION OF BUYER ON ACCOUNT OF ANY CLAIM ASSERTED AGAINST BUYER, OR FOR ANY OTHER DAMAGE OF ANY KIND, WHETHER DIRECT OR INDIRECT, IF THE ENGINES SUPPLIED BY CLARKE DO NOT COMPLY WITH THE NSPS.

8-Jun-06



November 3, 2009

RECEIVED

NOV 06 2009

BUREAU OF AIR REGULATION

Mr. Michael P. Halpin  
Program Administrator  
Siting Coordination Office (SCO)  
Florida Department of Environmental Protection  
3900 Commonwealth Blvd. MS 48  
Tallahassee, FL 32399-3000

**RE: FPL West County Energy Center  
PA 05-47 Condition of Certification  
Initiation of Commercial Operation, Unit 2**

Dear Mr. Halpin,

Florida Power & Light (FPL) is pleased to inform you that West County Energy Center (WCEC) Unit 2 began commercial operations as of 00:01 on November 3, 2009.

If you have any questions on this submittal, or need further information, please contact me at (561) 904-4904.

Sincerely,

A handwritten signature in black ink, appearing to read 'C. Priore III', written over a white background.

Carmine A. Priore III  
Plant General Manager  
West County Energy Center

cc: Trina Vielhauer, FDEP  
Tim Gray, FDEP SED  
David McNeal, EPA Region IV  
Jim Stormer, Palm Bch. County Health Dept.  
James Golden, SFWMD  
Tom Young, FPL  
Barbara Linkiewicz, FPL  
Peter Cocotos, FPL  
Jan Kirwan, FPL  
David Fawcett, FPL

# WEST COUNTY POWER PARTNERS, LLC

11401 Lamar Avenue  
Overland Park, Kansas 66211  
Tel: (913) 458-2000  
Fax: (913) 458-2934

527 Logwood  
San Antonio, TX 78221  
Ph: 210-475-8000  
Fax: 210-475-8060

RECEIVED

NOV 16 2009

WCPP Project 144553  
WCPP Files 14.0100/32.0440  
WCPP-2009-TP-572  
November 13, 2009

Florida Power & Light Company  
West County Energy Center – Units 1&2  
Permit No. – PSD-FL-354  
DEP File No. – 0990646-001-AC

BUREAU OF AIR REGULATION

E-mail, Express Mail

Ms. Elizabeth Walker  
Florida Department of Environmental Protection  
Division of Air Resource Management  
Bureau of Air Regulation, Bureau Chief  
2600 Blair Stone Road, MS 5500  
Tallahassee, FL 32399-2400

Subject: West County Energy Center Unit #1 & #2 CT Performance Curves

Dear Ms. Walker:

On behalf of Florida Power & Light Company (FPL) and its Designated Representative, Sheila M. Wilkinson, the West County Power Partners, LLC (WCPP), EPC Contractor for construction of the new combined cycle generating Units 1 and 2 at the FPL West County Energy Center, is submitting the combustion turbine performance curves per West County's Air Permit (Permit No. PSD-FL-354, Performance Restrictions, #7).

If you have any questions about this notification, please contact Terry Apple at (913) 458-7220 or Chet Lloyd.

Very truly yours,

WEST COUNTY POWER PARTNERS, LLC



*for*  
Chet Lloyd  
Project Executive

WS:hs

enclosures

cc: all listed via email:  
Dave McNeal, USEPA Air, Pesticides and Toxics Management  
Art Diem, USEPA Clean Air Markets Division  
Errin Pichard, FDEP Air Resource Management  
Lee Hoefert, FDEP Southeast District  
Tim Gray, FDEP Southeast District  
Tom Cascio, FDEP Bureau of Air Regulation  
Mike Halpin, FDEP Siting Coordination Office  
K. M. Davis, FPL ACG/GO

E.N. Scoville II, FPL Director Construction  
Sheila M. Wilkinson, FPL Designated Rep  
Mike Helmke, PBC Health Department  
Laxmana Tallam, PBC Health Department  
Jim Stormer, PBC Health Department  
Tom Tittle, PBC Health Department  
Tom Young, FPL Construction Project General Manager  
Jan Kirwan, FPL Environmental Specialist  
Carmine Priore, FPL Plant General Manager  
Chet Lloyd, WCPP Project Executive  
John Tidwell, WCPP Senior Project Manager  
Greg Hines, WCPP Site Environmental Manager  
Terry Apple, WCPP Project Manager/ Project File  
William Stevenson, WCPP Environmental Specialist



## 5. CORRECTION CURVES

### Reference Correction

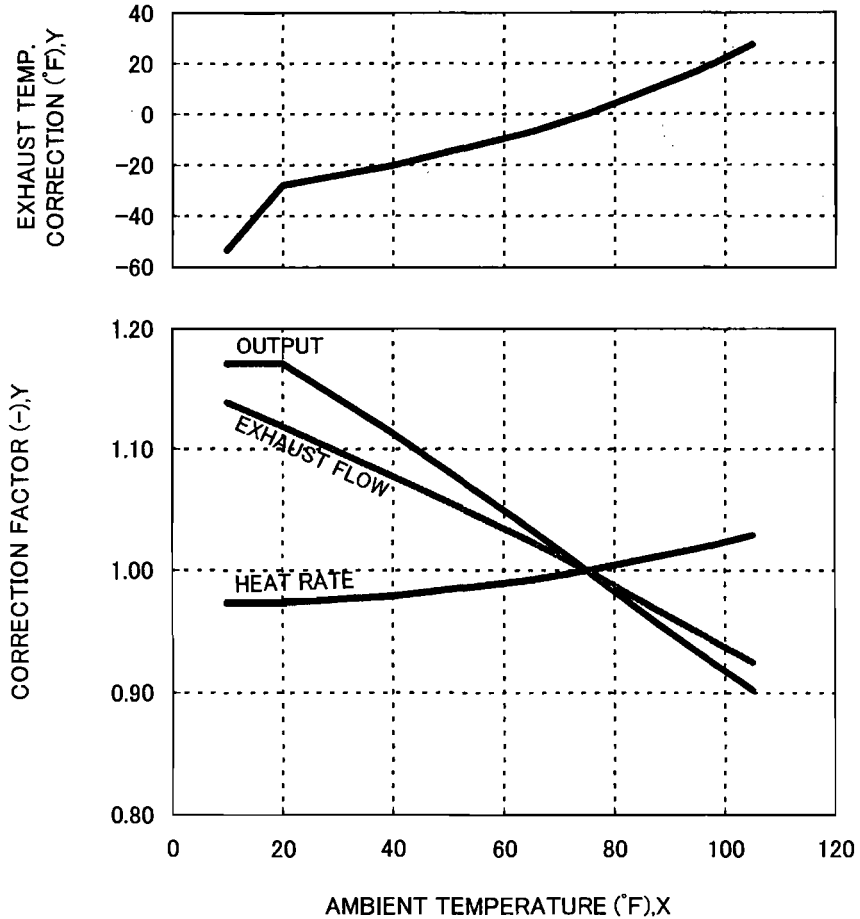
Item	Net Output Correction Curve	Heat Rate Correction Curve	Exhaust Flow Correction Curve	Exhaust Temp. Correction Curve
Ambient Air Dry Bulb Temperature	E01-05228-01(R2)			
Ambient Pressure	E01-05228-03(R2)			
Relative Air Humidity	E01-05228-02(R2)			
Fuel Gas Supply Temperature	NA	E01-05228-11(R2)	NA	
Fuel Gas Calorific Value and C/H ratio	E01-05228-08(R1)			
Gas Turbine Generator Frequency	E01-05228-06(R2)			
Excess Exhaust Static Pressure Loss	E01-05228-05(R2)			
Combustor Cooling Steam Heat Duty	E01-05228-09(R2) <sup>Δ</sup>			
Degradation	E01-01908(R1)		E01-02970(R1)	
GT Generator Efficiency	KC918369			
Combustor Cooling Steam Heat Duty	E01-05228-D1 (R0)	E01-05228-D2 (R0)	NA	
Turbine Cooling Air Heat Duty	E01-05228-D3 (R0)	E01-05228-D4 (R0)	NA	

**MITSUBISHI COMBUSTION TURBINE EXPECTED PERFORMANCE CURVE**

Model No. M 501G

**CORRECTION FACTOR  
 FOR  
 AMBIENT TEMPERATURE vs. OUTPUT, HEAT RATE, EXHAUST FLOW  
 and EXHAUST TEMPERATURE**

[CONDITION]  
 FUEL : Natural GAS  
 AMBIENT PRESSURE : 14.67psi  
 RELATIVE HUMIDITY : 60%  
 FREQUENCY : 60Hz



MITSUBISHI COMBUSTION TURBINE EXPECTED PERFORMANCE CURVE

Model No. M 501G

CORRECTION EQUATION  
FOR  
AMBIENT TEMPERATURE vs. OUTPUT, HEAT RATE, EXHAUST FLOW  
and EXHAUST TEMPERATURE

[CONDITION]  
FUEL : Natural GAS  
AMBIENT PRESSURE : 14.67psi  
RELATIVE HUMIDITY : 60%  
FREQUENCY : 60Hz

OUTPUT

10-20F  $y = 1.1715576$   
20-105F  $y = -0.00000142x^2 - 0.002984329x + 1.231812178$

HEAT RATE

10-20F  $y = 0.00008248x + 0.97407149$   
20-105F  $y = -0.000000002x^3 + 0.000006391x^2 - 0.000134379x + 0.974972801$

EXHAUST FLOW

10-20F  $y = -0.00198600x + 1.15898862$   
20-105F  $y = -0.00000321x^2 - 0.00186902x + 1.15823275$

EXHAUST TEMPERATURE

10-20F  $y = 2.51712x - 78.2316$   
20-105F  $y = 0.00451945x^2 + 0.07735822x - 31.22377275$



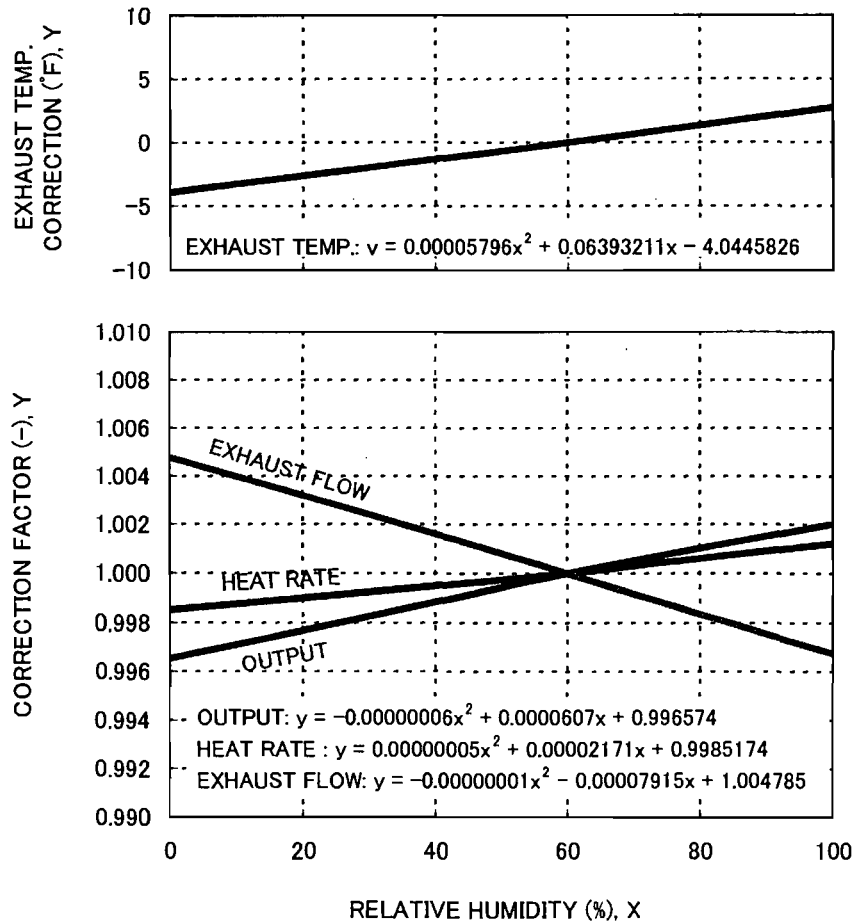


### MITSUBISHI COMBUSTION TURBINE EXPECTED PERFORMANCE CURVE

Model No. M501 G

#### CORRECTION FACTOR FOR RELATIVE HUMIDITY vs. OUTPUT, HEAT RATE, EXHAUST FLOW and EXHAUST TEMPERATURE

[CONDITION]  
 FUEL : Natural GAS  
 AMBIENT TEMP. : 75°F  
 AMBIENT PRESSURE : 14.67psi  
 FREQUENCY : 60Hz

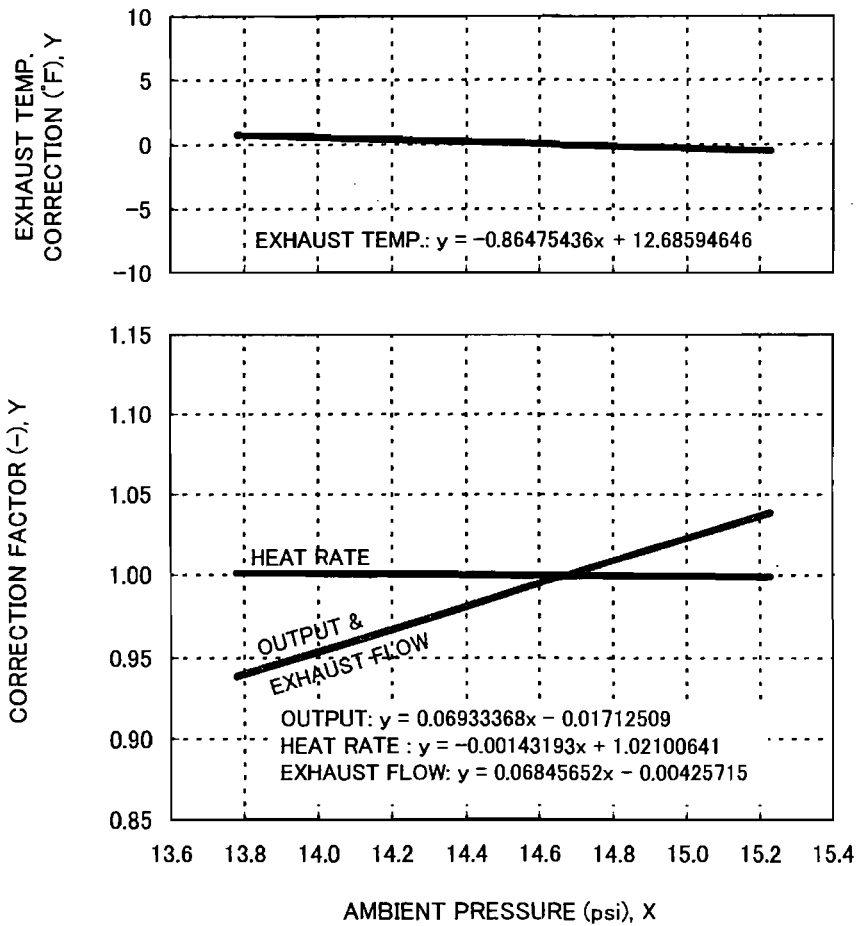


**MITSUBISHI COMBUSTION TURBINE EXPECTED PERFORMANCE CURVE**

Model No. M501 G

**CORRECTION FACTOR  
 FOR  
 AMBIENT PRESSURE vs. OUTPUT, HEAT RATE, EXHAUST FLOW  
 and EXHAUST TEMPERATURE**

[CONDITION]  
 FUEL : Natural GAS  
 AMBIENT TEMP. : 75°F  
 RELATIVE HUMIDITY : 60%  
 FREQUENCY : 60Hz



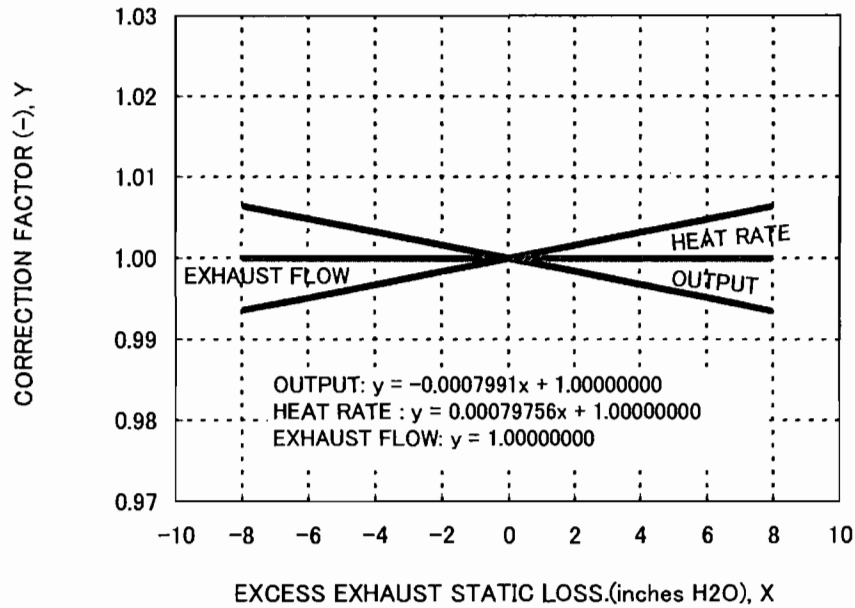
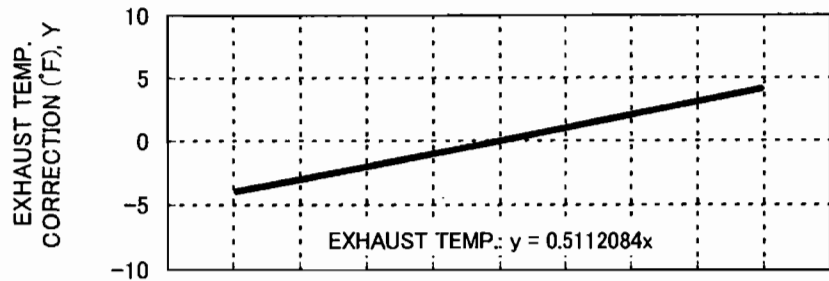


MITSUBISHI COMBUSTION TURBINE EXPECTED PERFORMANCE CURVE

Model No. M501 G

CORRECTION FACTOR FOR EXCESS EXHAUST STATIC LOSS vs. OUTPUT, HEAT RATE, EXHAUST FLOW and EXHAUST TEMPERATURE

[CONDITION]
FUEL : Natural GAS
AMBIENT TEMP. : 75°F
AMBIENT PRESSURE : 14.67psi
RELATIVE HUMIDITY : 60%
FREQUENCY : 60Hz
EXHAUST STATIC LOSS : 12.2 inches H2O

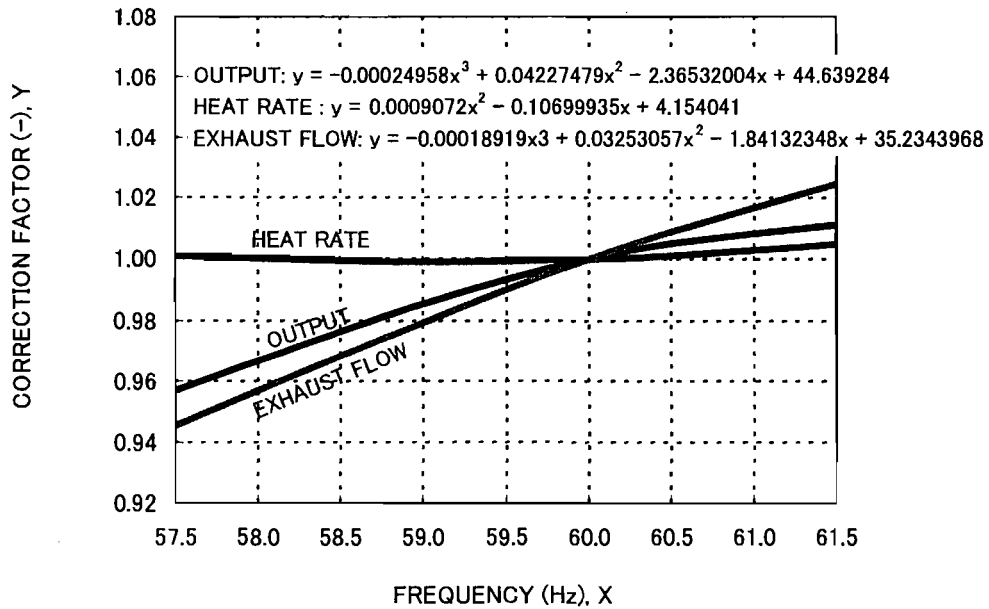
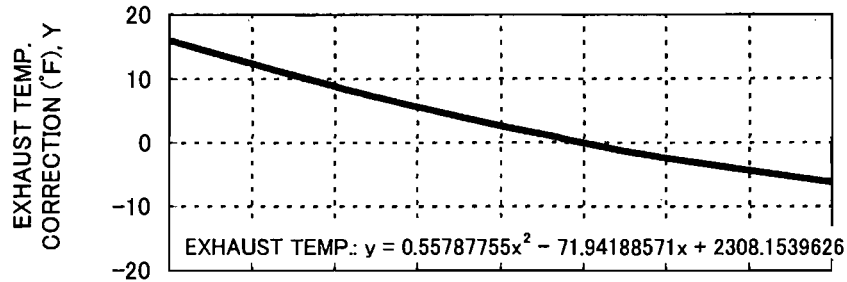


**MITSUBISHI COMBUSTION TURBINE EXPECTED PERFORMANCE CURVE**

Model No. M501 G

**CORRECTION FACTOR  
 FOR  
 FREQUENCY vs. OUTPUT, HEAT RATE, EXHAUST FLOW  
 and EXHAUST TEMPERATURE**

[CONDITION]  
 FUEL : Natural GAS  
 AMBIENT TEMP. : 75°F  
 AMBIENT PRESSURE : 14.67psi  
 RELATIVE HUMIDITY : 60%

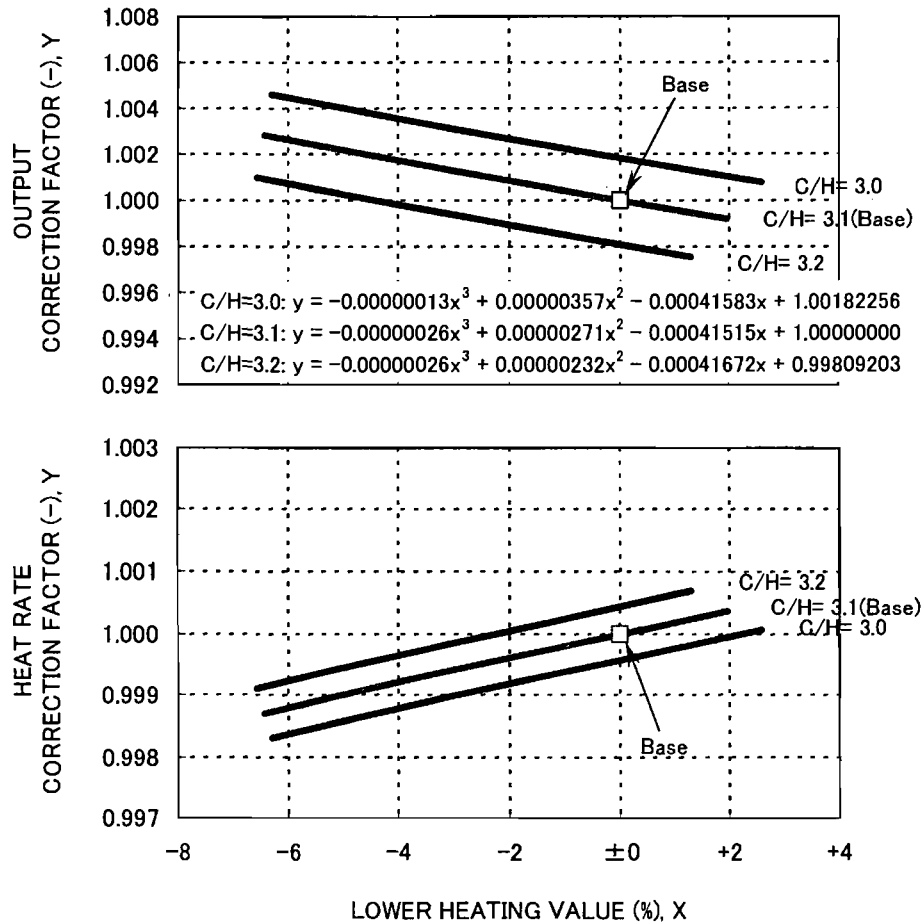


**MITSUBISHI COMBUSTION TURBINE EXPECTED PERFORMANCE CURVE**

Model No. M501 G

**CORRECTION FACTOR  
FOR  
LOWER HEATING VALUE vs. OUTPUT, HEAT RATE, EXHAUST FLOW  
and EXHAUST TEMPERATURE (1/2)**

[CONDITION]  
 FUEL : Natural GAS  
 AMBIENT TEMP. : 75°F  
 AMBIENT PRESSURE : 14.67psi  
 RELATIVE HUMIDITY : 60%  
 FREQUENCY : 60Hz



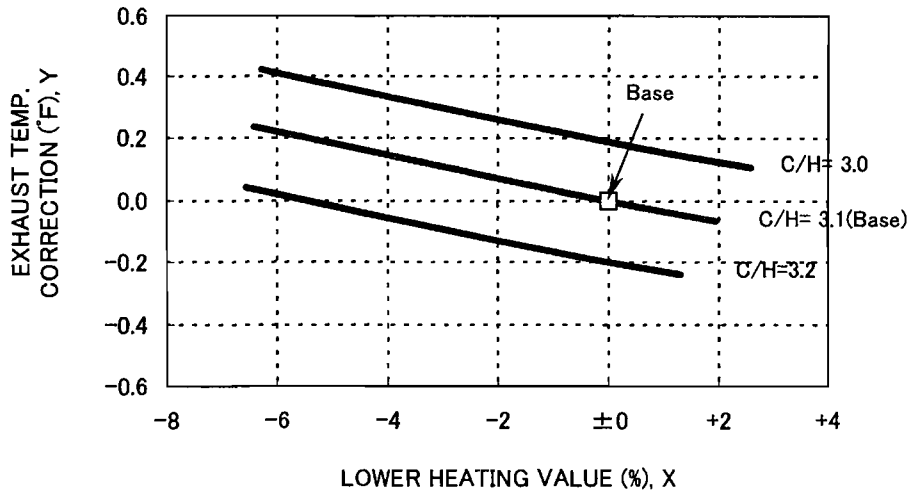
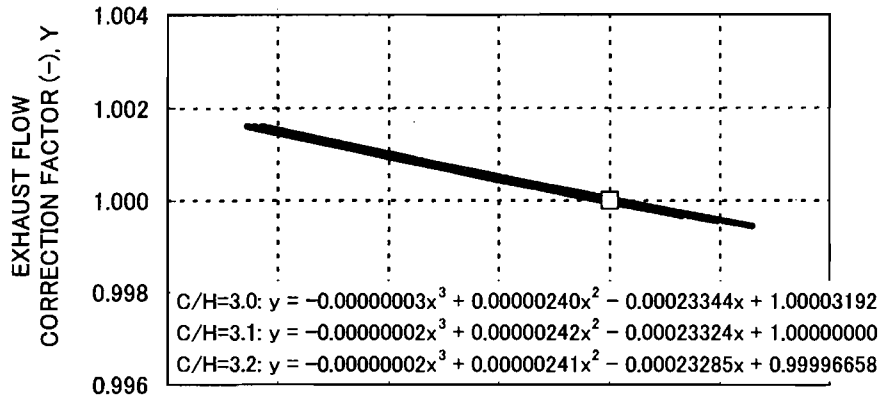
$$\begin{aligned}
 \text{C/H=3.0: } y &= 0.00000016x^3 - 0.00000053x^2 + 0.00019123x + 0.99957844 \\
 \text{C/H=3.1: } y &= 0.00000016x^3 - 0.00000049x^2 + 0.00019173x + 1.00000000 \\
 \text{C/H=3.2: } y &= 0.00000009x^3 - 0.00000075x^2 + 0.00019374x + 1.00044499
 \end{aligned}$$

**MITSUBISHI COMBUSTION TURBINE EXPECTED PERFORMANCE CURVE**

Model No. M501 G

**CORRECTION FACTOR  
FOR  
LOWER HEATING VALUE vs. OUTPUT, HEAT RATE, EXHAUST FLOW  
and EXHAUST TEMPERATURE (2/2)**

[CONDITION]  
 FUEL : Natural GAS  
 AMBIENT TEMP. : 75°F  
 AMBIENT PRESSURE : 14.67psi  
 RELATIVE HUMIDITY : 60%  
 FREQUENCY : 60Hz



C/H=3.0:  $y = 0.00005285x^3 + 0.00082474x^2 - 0.03423881x + 0.18828155$   
 C/H=3.1:  $y = 0.00008099x^3 + 0.00089106x^2 - 0.03434501x$   
 C/H=3.2:  $y = 0.00013109x^3 + 0.00148578x^2 - 0.03290035x - 0.19955483$

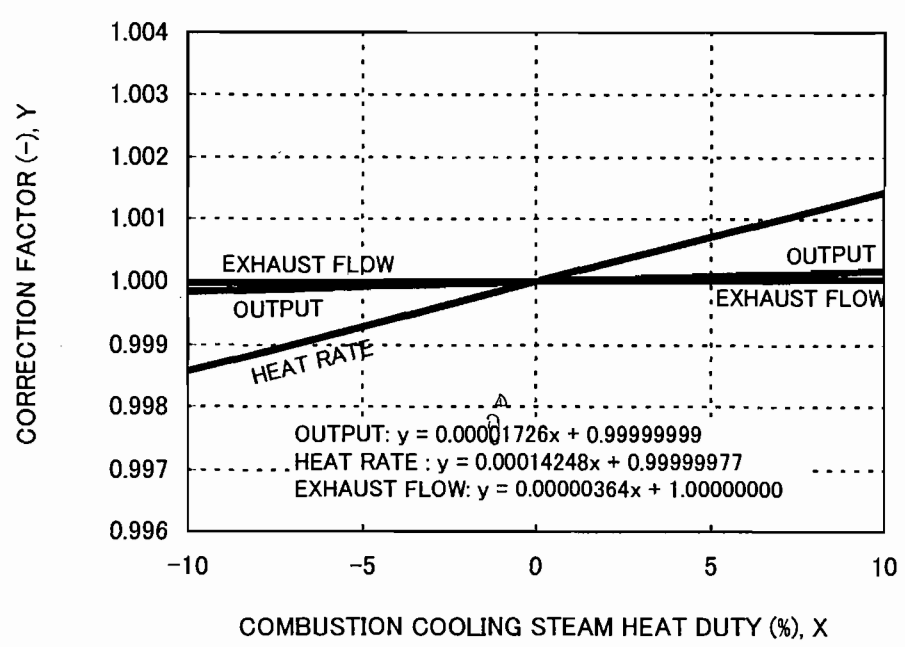
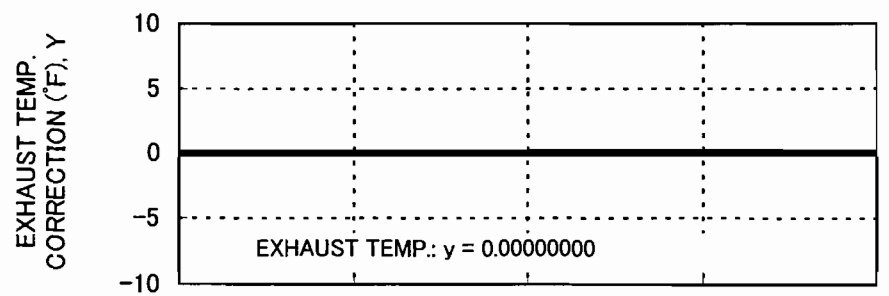


### MITSUBISHI COMBUSTION TURBINE EXPECTED PERFORMANCE CURVE

Model No. M501G

#### CORRECTION FACTOR FOR COMBUSTION COOLING STEAM HEAT DUTY vs. OUTPUT, HEAT RATE, EXHAUST FLOW and EXHAUST TEMPERATURE

[CONDITION]  
 FUEL : Natural GAS  
 AMBIENT TEMP. : 75°F  
 AMBIENT PRESSURE : 14.67psi  
 RELATIVE HUMIDITY : 60%  
 FREQUENCY : 60Hz  
 COOLING STEAM DURY : 6.95Gcal/h







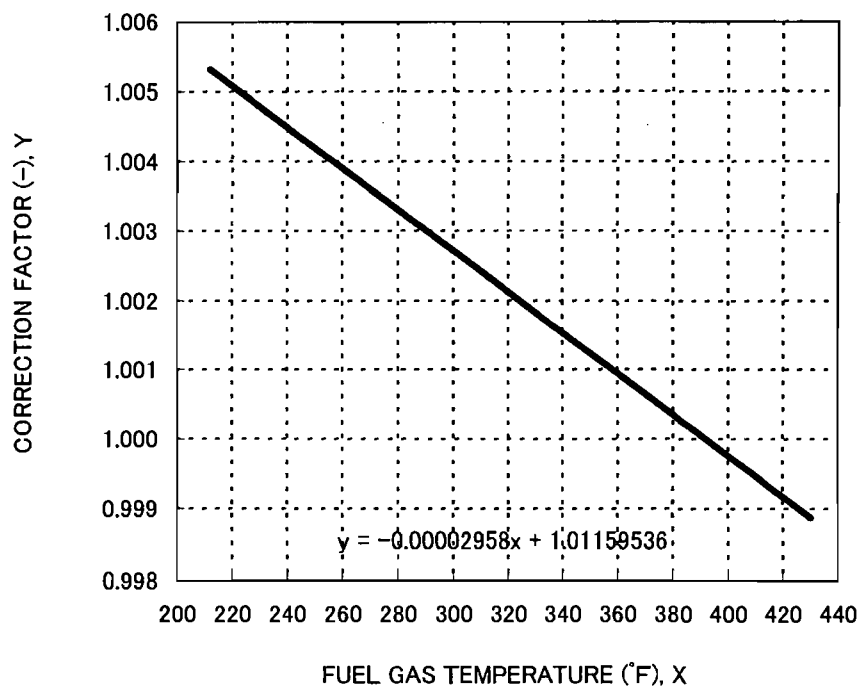
MITSUBISHI COMBUSTION TURBINE EXPECTED PERFORMANCE CURVE

Model No. M501 G

CORRECTION FACTOR  
FOR  
FUEL GAS TEMPERATURE vs. HEAT RATE

[CONDITION]

FUEL : Natural GAS  
AMBIENT TEMP. : 75°F  
AMBIENT PRESSURE : 14.67psi  
RELATIVE HUMIDITY : 60%  
FREQUENCY : 60Hz  
FUEL GAS TEMPERATURE : 392deg.F

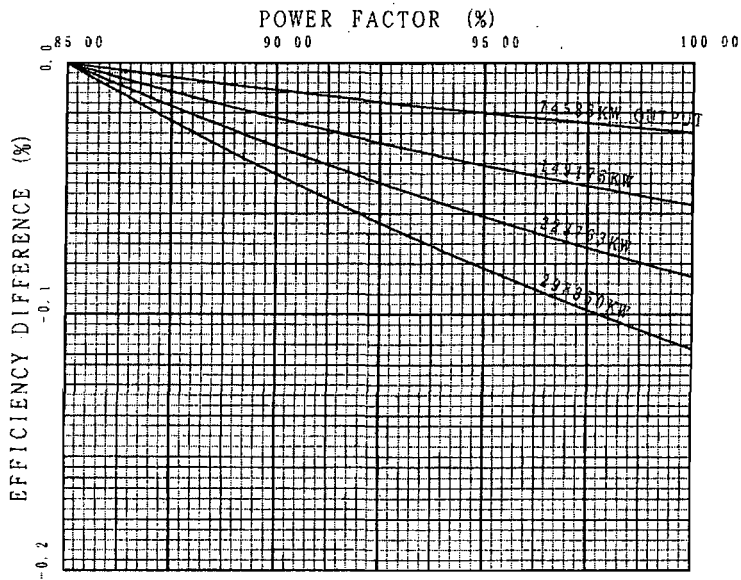


West County Energy Center GTG  
 351000 KVA, 298350 KW, 85.00 % PF, 60 HZ, 3600 min<sup>-1</sup>  
 21 KV, 9650 A, 0.30 MPag GAS PRESS., 330 V EXC.

HYDROGEN-COOLED TURBINE GENERATOR  
 EFFICIENCY CORRECTION CURVE

EFFICIENCY AT 85.00 % PF CAN BE ESTIMATED BY ADDING EFFICIENCY  
 DIFFERENCE VALUE TO EFFICIENCY AT A CERTAIN POWER FACTOR.

(NOTE) EFFICIENCY IS CALCULATED AT GENERATOR TERMINAL.  
 EXCITER LOSS AND FIELD WINDING LOSS ARE NOT INCLUDED IN THE CALCULATION

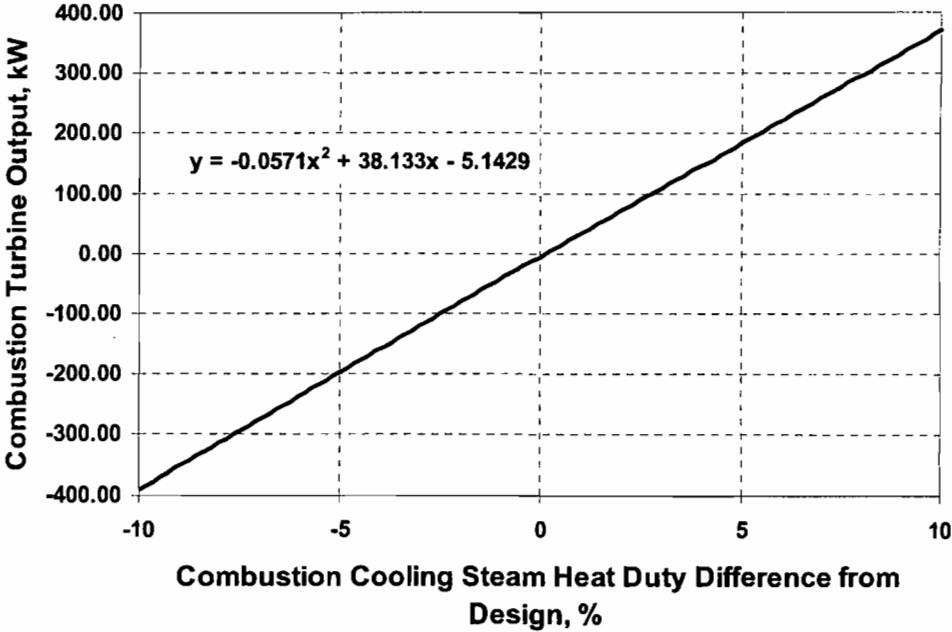


APPROVED	<i>T. Nishida</i>
CHECKED	<i>A. Yamamoto</i>
DESIGNED	Dec. 5, 1965 A. Yoshii

KC918369

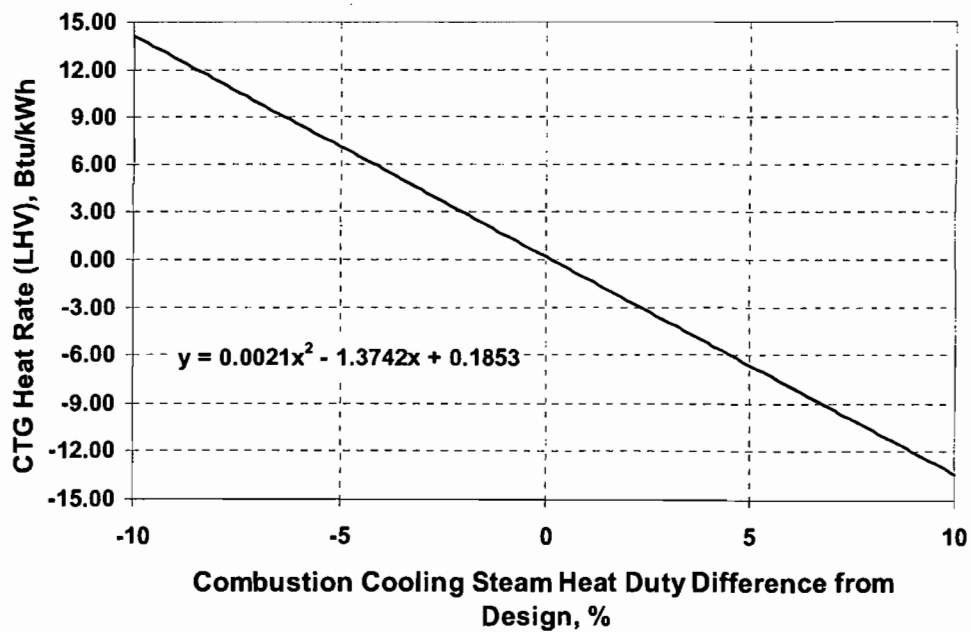
**Correction Curve  
For  
Combustion Cooling Steam Heat Duty vs. Combustion Turbine Output**

<b>Design Conditions</b>	
<b>Fuel</b>	Natural Gas
<b>Ambient Temperature</b>	75 deg F
<b>Ambient Pressure</b>	14.67 psi
<b>Relative Humidity</b>	60 %
<b>Frequency</b>	60 Hz
<b>Base Case Combustion Cooling Steam Duty</b>	28.00 mmBtu/hr



**Correction Curve  
For  
Combustion Cooling Steam Heat Duty vs. Combustion Turbine Heat Rate**

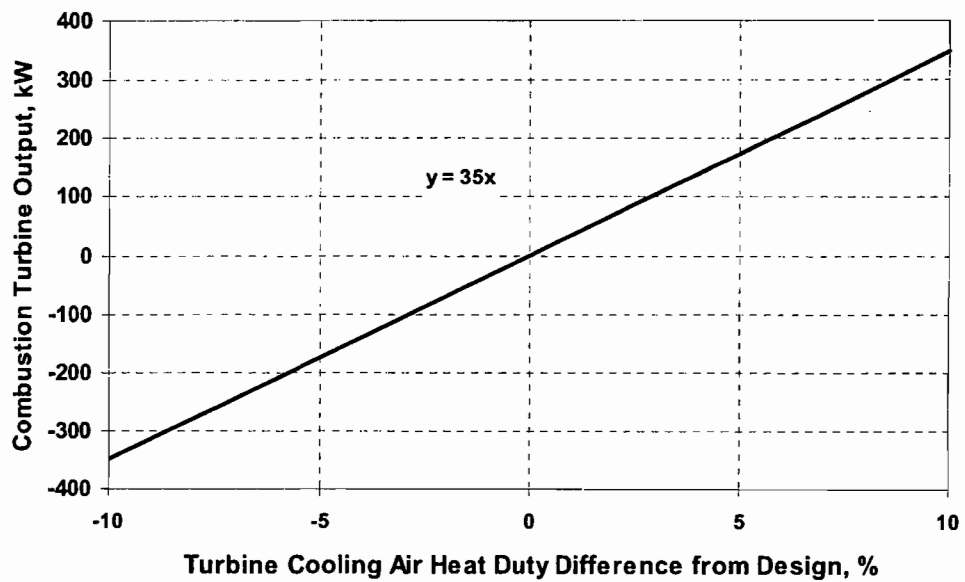
<b>Design Conditions</b>	
Fuel	Natural Gas
Ambient Temperature	75 deg F
Ambient Pressure	14.67 psi
Relative Humidity	60 %
Frequency	60 Hz
Base Case Combustion Cooling Steam Duty	28.00 mmBtu/hr



S4-75053

**Correction Curve  
For  
Turbine Cooling Air Heat Duty vs. Combustion Turbine Output**

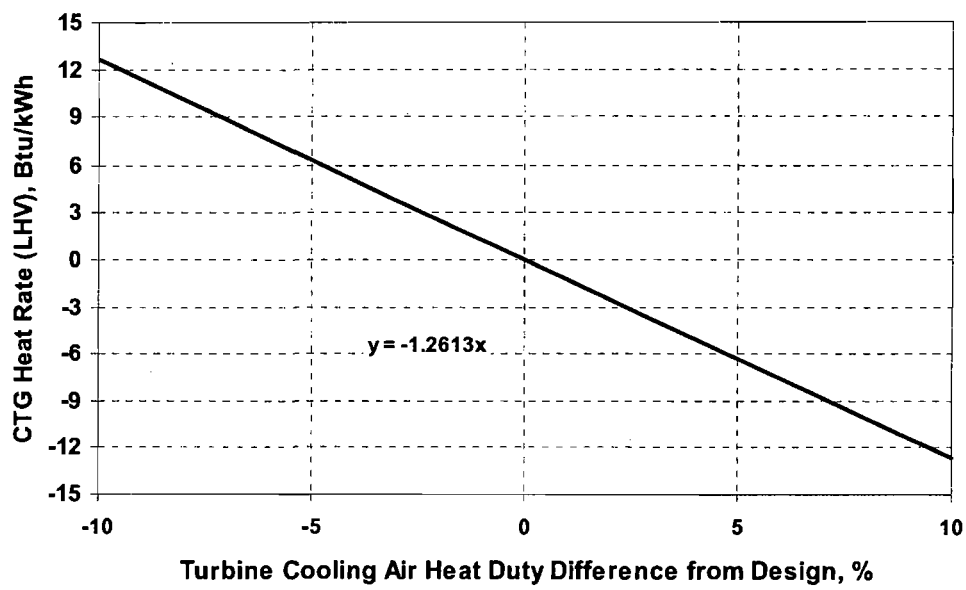
<b>Design Conditions</b>	
<b>Fuel</b>	<b>Natural Gas</b>
<b>Ambient Temperature</b>	<b>75 deg F</b>
<b>Ambient Pressure</b>	<b>14.67 psi</b>
<b>Relative Humidity</b>	<b>60 %</b>
<b>Frequency</b>	<b>60 Hz</b>



S4-75053

**Correction Curve  
For  
Turbine Cooling Air Heat Duty vs. Combustion Turbine Heat Rate**

<b>Design Conditions</b>	
Fuel	Natural Gas
Ambient Temperature	75 deg F
Ambient Pressure	14.67 psi
Relative Humidity	60 %
Frequency	60 Hz



# WEST COUNTY POWER PARTNERS, LLC

11401 Lamar Avenue  
Overland Park, Kansas 66211  
Tel: (913) 458-2000  
Fax: (913) 458-2934

527 Logwood  
San Antonio, TX 78221  
Ph: 210-475-8000  
Fax: 210-475-8060

Florida Power & Light Company  
West County Energy Center – Unit 2  
Permit No. – PSD-FL-354  
DEP File No. – 0990646-001-AC

WCPP Project 144553  
WCPP Files 14.0100/32.0440  
WCPP-2009-TP-545  
September 28, 2009

RECEIVED  
E-mail, Express, Mail

SEP 29 2009

BUREAU OF AIR REGULATION

Ms. Trina Vielhauer  
Florida Department of Environmental Protection  
Division of Air Resource Management  
Bureau of Air Regulation, Bureau Chief  
2600 Blair Stone Road, MS 5500  
Tallahassee, FL 32399-2400

Subject: First Fire Completion Notification of West  
County Combustion Turbine (CT) 2A

Dear Ms. Vielhauer:

On behalf of Florida Power & Light Company (FPL) and its Designated Representative, Sheila M. Wilkinson, the West County Power Partners, LLC (WCPP), EPC Contractor for construction of the new combined cycle generating unit at the FPL West County Energy Center – Unit 2, is submitting this notification in accordance with the regulations cited below.

This correspondence is to serve as notification to the Department, in accordance with 40 CFR 60.7(a)(3), FPL first fired Combustion Turbine (CT) 2A on September 22, 2009.

If you have any questions about this notification, please contact Terry Apple at (913) 458-7220 or John Tidwell at (561) 784-8048.

Very truly yours,

WEST COUNTY POWER PARTNERS, LLC



*for* Chet Lloyd  
Project Executive

BS:hs

cc: Dave McNeal, USEPA Air, Pesticides and Toxics Management  
Kevin Tran, USEPA Clean Air Markets Division  
Errin Pichard, FDEP Air Resource Management  
Lee Hoefert, FDEP Southeast District  
Tim Gray, FDEP Southeast District  
Tom Cascio, FDEP Bureau of Air Regulation  
Mike Halpin, FDEP Siting Coordination Office  
K. M. Davis, FPL ACG/GO  
E.N. Scoville II, FPL Director Construction  
Sheila M. Wilkinson, FPL Designated Rep  
Laxmana Tallam, PBC Health Department  
Jim Stormer, PBC Health Department



Tom Tittle, PBC Health Department  
Tom Young, FPL Construction Project General Manager  
Jan Kirwan, FPL Environmental Specialist  
Carmine Priore, FPL Plant General Manager  
Chet Lloyd, WCPP Project Executive  
John Tidwell, WCPP Senior Project Manager  
Pat Odell, WCPP Site Environmental Manager  
Terry Apple, WCPP Project Manager/ Project File  
William Stevenson, WCPP Environmental Specialist

# WEST COUNTY POWER PARTNERS, LLC

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Fax: 210-475-8060

Florida Power & Light Company  
West County Energy Center – Unit 1&2  
Permit No. – PSD-FL-354  
DEP File No. – 0990646-001-AC

WCPP Project 144553  
WCPP Files 14.0100/32.0440  
WCPP-2009-TP-534  
September 11, 2009

RECEIVED

SEP 15 2009

E-mail, Express Mail

Ms. Trina Vielhauer  
Florida Department of Environmental Protection  
Division of Air Resource Management  
Bureau of Air Regulation, Bureau Chief  
2600 Blair Stone Road, MS 5500  
Tallahassee, FL 32399-2400

BUREAU OF AIR REGULATION

Subject: First Fire Completion Notification of West  
County Combustion Turbine (CT) 2B

Dear Ms. Vielhauer:

On behalf of Florida Power & Light Company (FPL) and its Designated Representative, Sheila M. Wilkinson, the West County Power Partners, LLC (WCPP), EPC Contractor for construction of the new combined cycle generating unit at the FPL West County Energy Center – Unit 2, is submitting this notification in accordance with the regulations cited below.

This correspondence is to serve as notification to the Department, in accordance with 40 CFR 60.7(a)(3), FPL first fired Combustion Turbine (CT) 2B on September 7, 2009.

If you have any questions about this notification, please contact Terry Apple at (913) 458-7220 or John Tidwell at (561) 784-8048.

Very truly yours,

WEST COUNTY POWER PARTNERS, LLC



for Chet Lloyd  
Project Executive

WS:hs

cc: Dave McNeal, USEPA Air, Pesticides and Toxics Management  
Kevin Tran, USEPA Clean Air Markets Division  
Errin Pichard, FDEP Air Resource Management  
Lee Hoefert, FDEP Southeast District  
Tim Gray, FDEP Southeast District  
Tom Cascio, FDEP Bureau of Air Regulation  
Mike Halpin, FDEP Siting Coordination Office  
E.N. Scoville II, FPL Director Construction  
K. M. Davis, FPL ACG/GO  
Sheila M. Wilkinson, FPL Designated Rep  
Laxmana Tallam, PBC Health Department  
Jim Stormer, PBC Health Department  
Tom Tittle, PBC Health Department  
Tom Young, FPL Construction Project General Manager  
Jan Kirwan, FPL Environmental Specialist  
Carmine Priore, FPL Plant General Manager  
Chet Lloyd, WCPP Project Executive  
John Tidwell, WCPP Senior Project Manager  
Pat Odell, WCPP Site Environmental Manager  
Terry Apple, WCPP Project Manager/ Project File  
William Stevenson, WCPP Environmental Specialist

# WEST COUNTY POWER PARTNERS, LLC

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Florida Power & Light Company  
 West County Energy Center – Unit 1&2  
 Permit No. – PSD-FL-354  
 DEP File No. – 0990646-001-AC

OCT 01 2009

**BUREAU OF AIR REGULATION**

WCPP Project 144553  
 WCPP Files 14.0200/32.0440  
 WCPP-2009-TP-548  
 September 29, 2009

E-mail, Express Mail

Ms. Trina Vielhauer  
 Florida Department of Environmental Protection  
 Division of Air Resource Management  
 Bureau of Air Regulation, Bureau Chief  
 2600 Blair Stone Road, MS 5500  
 Tallahassee, FL 32399-2400

Subject: DLN Tuning Notification of West County  
 Combustion Turbines (CT) 2A, 2B, and 2C

Dear Ms. Vielhauer:

On behalf of Florida Power & Light Company (FPL) and its Designated Representative, Sheila M. Wilkinson, the West County Power Partners, LLC (WCPP), EPC Contractor for construction of the new combined cycle generating unit at the FPL West County Energy Center – Unit 2, is submitting this notification in accordance with the regulations cited below.

This correspondence is to serve as notification to the Department, in accordance with the Florida Statutes, Chapter 62-4 of the Florida Administrative Code [Design; Rule 62-4.070(3), F.A.C.]. Prior to performing a major tuning session, FPL is providing this notification of the DLN tuning of Combustion Turbines (CT) 2A, 2B, and 2C while firing natural gas. The proposed tuning schedule is detailed in Table 1.

**Table 1. Dates for DLN Tuning at West County Energy Center Unit 2 (CT – 2A, 2B, and 2C)**


Dates	2C Activity	2B Parallel Activity	2A Parallel Activity
21-Oct-09	2C CT step tune up to 50 - 75% load		
22-Oct-09	2C CT step tune up to 75 - 100% load		
23-Oct-09	2C CT 100% load		
24-Oct-09	2C CT 100% load	2B CT step tune up to 50 - 75% load	
25-Oct-09	2C CT 100% load & partial load tune	2B CT step tune up to 75 - 100% load	
26-Oct-09	2C CT 100% & load swings 100/25%	2B CT 100% load	
27-Oct-09	2C CT 100% anti icing & on line blade wash & MHI run through the night	2B CT 100% load	2A CT step tune up to 50 - 75% load
28-Oct-09	2C CT 100% & Evap Testing	2B CT 100% load & partial load tune	2A CT step tune up to 75 - 100% load
29-Oct-09		2B CT 100% & load swings 100/25%	2A CT 100% load
30-Oct-09		2C CT 100% anti icing & on line blade wash & MHI run through the night	2A CT 100% load
31-Oct-09		2C CT 100% & Evap Testing	2A CT 100% load & partial load tune
1-Nov-09			2A CT 100% & load swings 100/25%
2-Nov-09			2A CT 100% anti icing & on line blade wash & MHI run through the night
3-Nov-09			2A CT 100% & Evap Testing

Please note that the dates provided in Table I are subject to change. As start up activities occur, the proposed schedule may shift. If the schedule changes, the Department will be notified per the Air Permit (Permit No. PSD-FL-354, Excess Emissions, #20). This notification for DLN Tuning is for firing natural gas. Tuning sessions associated with oil combustion will be conducted at a later date. Please note that this notice is one of many notifications for West County Energy Center Unit 2.

If you have any questions about this notification, please contact Terry Apple at (913) 458-7220 or John Tidwell at (561) 784-8048.

Very truly yours,

WEST COUNTY POWER PARTNERS, LLC

  
*bw* Chet Lloyd  
Project Executive

WS:hs

cc: Dave McNeal, USEPA Air, Pesticides and Toxics Management  
Kevin Tran, USEPA Clean Air Markets Division  
Errin Pichard, FDEP Air Resource Management  
Lee Hoefert, FDEP Southeast District  
Tim Gray, FDEP Southeast District  
Tom Cascio, FDEP Bureau of Air Regulation  
Mike Halpin, FDEP Siting Coordination Office  
K. M. Davis, FPL ACG/GO  
E.N. Scoville II, FPL Director Construction  
Sheila M. Wilkinson, FPL Designated Rep  
Laxmana Tallam, PBC Health Department  
Jim Stormer, PBC Health Department  
Tom Tittle, PBC Health Department  
Tom Young, FPL Construction Project General Manager  
Jan Kirwan, FPL Environmental Specialist  
Carmine Priore, FPL Plant General Manager  
Chet Lloyd, WCPP Project Executive  
John Tidwell, WCPP Senior Project Manager  
Pat Odell, WCPP Site Environmental Manager  
Terry Apple, WCPP Project Manager/ Project File  
William Stevenson, WCPP Environmental Specialist

# WEST COUNTY POWER PARTNERS, LLC

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FEB 27 2009

Florida Power & Light Company  
West County Energy Center – Unit 1&2  
Permit No. – PSD-FL-354  
DEP File No. – 0990646-001-AC

BUREAU OF AIR REGULATION

WCPP Project 144553  
WCPP Files 14.0100/32.0585  
WCPP-2009-TP-428  
February 26, 2009

E-mail, Express Mail

Ms. Trina Vielhauer  
Florida Department of Environmental Protection  
Division of Air Resource Management  
Bureau of Air Regulation, Bureau Chief  
2600 Blair Stone Road, MS 5500  
Tallahassee, FL 32399-2400

Subject: Notification of Initial Operation of Limited  
Use 99.8 MMBtu/hr Gas-Fueled Auxiliary  
Boiler

Dear Ms. Vielhauer:

On behalf of Florida Power & Light Company (FPL) and its Designated Representative, Sheila M. Wilkinson, the West County Power Partners, LLC (WCPP), EPC Contractor for construction of the new combined cycle generating unit at the FPL West County Energy Center – Unit 1&2, is submitting notification of initial operation for the second of the two limited use 99.8 MMBtu/hr gas-fueled auxiliary boilers for the project in accordance with the regulations cited below.

This correspondence is to serve as notification to the Department, in accordance with 40 CFR 63.9, FPL first operated the second 99.8 MMBtu/hr gas-fueled auxiliary boiler on February 22, 2009.

If you have any questions about this notification, please contact Terry Apple at (913) 458-7220 or John Tidwell at (561) 784-8048.

Very truly yours,

WEST COUNTY POWER PARTNERS, LLC



*CL*  
Chet Lloyd  
Project Executive

cc: Errin Pichard, FDEP Air Resource Management  
Lee Hoefert, FDEP Southeast District  
Tim Gray, FDEP Southeast District  
Tom Cascio, FDEP Bureau of Air Regulation  
Mike Halpin, FDEP Siting Coordination Office  
K. M. Davis, FPL ACG/GO  
Sheila M. Wilkinson, FPL Designated Rep  
Jim Stormer, PBC Health Department  
Tom Tittle, PBC Health Department  
Tom Young, FPL Construction Project General Manager  
Jan Kirwan, FPL Environmental Specialist  
Carmine Priore, FPL Plant General Manager  
Chet Lloyd, WCPP Project Executive  
John Tidwell, WCPP Senior Project Manger  
Pat Odell, WCPP Site Environmental Manager  
Terry Apple, WCPP Project Manager/ Project File  
Daniel Chang, WCPP Environmental Specialist

# WEST COUNTY POWER PARTNERS, LLC

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Florida Power & Light Company  
West County Energy Center – Unit 1&2  
Permit No. – PSD-FL-354  
DEP File No. – 0990646-001-AC

WCPP Project 144553  
WCPP Files 14.0100/32.0585  
WCRP-2009-TP-427  
February 26, 2009

RECEIVED

FEB 27 2009 E-mail, Express Mail

Mr. David McNeal  
Air, Pesticides & Toxic Management  
USEPA Region 4  
Atlanta Federal Center  
61 Forsyth Street, SW  
Atlanta, GA 30303-3104

BUREAU OF AIR REGULATION

Subject: Regulatory Required Notification  
Air Permit # PSD-FL-354  
West County Energy Center - Unit 1&2  
Loxahatchee, FL 33470

Dear Mr. McNeal:

On behalf of Florida Power & Light Company (FPL) and its Designated Representative, Sheila M. Wilkinson, the West County Power Partners, LLC (WCPP), EPC Contractor for construction of the new combined cycle generating Unit 1 at the FPL West County Energy Center, is submitting this notification in accordance with the regulations cited below.

**Operator:** FPL is the operator of the power plant. Mr. John Tidwell, of WCPP, is the contact person at the plant for the EPC Contractor. Please send any correspondence in response to this notification to the following address:

Mr. John Tidwell  
West County Power Partners, LLC  
West County Energy Center  
20505 State Road 80  
Loxahatchee, FL 33470

Pursuant to the requirements of 40 CFR Part 60 & 75, summarized below are the estimated dates for *Commercial Operation, Performance/Emission Testing and Continuous Emission Monitoring (CEM) Certification* for West County Energy Center Unit 1.

#### **Dates and Duration of Initial Start up (Commercial Operation) of the Units:**

Initial startup of the units will begin with Unit CT 1C and is currently planned for the week of April 6 to 10. The remaining Units CT 1B and CT 1A will be sequentially started and tested following the initial start of Unit CT 1C. These Units will be utilizing natural gas to fire during the startup and commissioning process for the plant. After Commercial Operation, the combustion turbines will later be commissioned on # 2 ultra low sulfur distillate.



Table I. Dates for initial start up activities at West County Energy Center Unit 1.

Units	Commercial Operation (Note #1)	Performance Emission Test	Opacity Observations	CEM Certification
CT 1A	May 7, 2009	June/July 2009	June/July 2009	June/July 2009
CT 1B	Apr. 26, 2009	June/July 2009	June/July 2009	June/July 2009
CT 1C	Apr. 15, 2009	June/July 2009	June/July 2009	June/July 2009
40CFR Part 60 & 75 Req.	75.61(a),(2),(i)	60.8 (d)& PSD Permit Standard Condition #18	60.7(a)(6), 60.11(b)& 60.7(a)(7)	75.61(a)(1)(i)& 60.7(a)(5)

Notes:  
1. Commercial Operation is defined in 40 CFR 75 72 2, Subpart A as, "beginning to generate electricity for sale including the sale of test generation".


Please note that the dates provided in Table I are subject to change. As the start up activities occur, WCPP will update EPA and FDEP when a different certification test date is required. Please note that this notice is one of many notifications for West County Energy Center Unit 1.

If you have any questions about this notification, please contact Terry Apple at (913) 458-7220 or John Tidwell at (561) 784-8048.

Very truly yours,

WEST COUNTY POWER PARTNERS, LLC



 Chet Lloyd  
Project Executive

cc: Trina Vielhauer, FDEP Air Resource Management  
Errin Pichard, FDEP Air Resource Management  
Lee Hoefert, FDEP Southeast District  
Tim Gray, FDEP Southeast District  
Tom Cascio, FDEP Bureau of Air Regulation  
Mike Halpin, FDEP Siting Coordination Office  
K. M. Davis, FPL ACG/GO  
Sheila M. Wilkinson, FPL Designated Rep  
Jim Stormer, PBC Health Department  
Tom Tittle, PBC Health Department  
Tom Young, FPL Construction Project General Manager  
Jan Kirwan, FPL Environmental Specialist  
Carmine Priore, FPL Plant General Manager  
Chet Lloyd, WCPP Project Executive  
John Tidwell, WCPP Senior Project Manger  
Pat Odell, WCPP Site Environmental Manager  
Terry Apple, WCPP Project Manager/ Project File  
Daniel Chang, WCPP Environmental Specialist

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FEB 27 2009

BUREAU OF AIR REGULATION

# WEST COUNTY POWER PARTNERS, LLC

11401 Lamar Avenue  
Overland Park, Kansas 66211  
Tel: (913) 458-2000  
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527 Logwood  
San Antonio, TX 78221  
Ph: 210-475-8000  
Fax: 210-475-8060

Florida Power & Light Company  
West County Energy Center – Unit 1&2  
Permit No. – PSD-FL-354  
DEP File No. – 0990646-001-AC

RECEIVED

WCPP Project 144553  
WCPP Files 14.0100/32.0585  
WCPP-2009-TP-424  
February 19, 2009

FEB 20 2009

BUREAU OF AIR REGULATION E-mail, Express Mail

Ms. Trina Vielhauer  
Florida Department of Environmental Protection  
Division of Air Resource Management  
Bureau of Air Regulation, Bureau Chief  
2600 Blair Stone Road, MS 5500  
Tallahassee, FL 32399-2400

Subject: Notification of Initial Operation of Limited  
Use 99.8 MMBtu/hr Gas-Fueled Auxiliary  
Boiler

Dear Ms. Vielhauer:

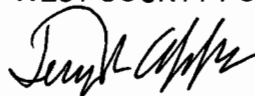
On behalf of Florida Power & Light Company (FPL) and its Designated Representative, Sheila M. Wilkinson, the West County Power Partners, LLC (WCPP), EPC Contractor for construction of the new combined cycle generating unit at the FPL West County Energy Center – Unit 1&2, is submitting notification of initial operation for the first of the two limited use 99.8 MMBtu/hr gas-fueled auxiliary boilers for the project in accordance with the regulations cited below.

This correspondence is to serve as notification to the Department, in accordance with 40 CFR 63.9, FPL first operated the first 99.8 MMBtu/hr gas-fueled auxiliary boiler on February 18, 2009.

If you have any questions about this notification, please contact Daniel Chang at (913) 458-7614 or Terry Apple at (913) 458-7220.

Very truly yours,

WEST COUNTY POWER PARTNERS, LLC



Chet Lloyd  
Project Executive

*bn*

cc: Errin Pichard, FDEP Air Resource Management  
Lee Hoefert, FDEP Southeast District  
Tim Gray, FDEP Southeast District  
Tom Cascio, FDEP Bureau of Air Regulation  
Mike Halpin, FDEP Siting Coordination Office  
K. M. Davis, FPL ACG/GO  
Sheila M. Wilkinson, FPL Designated Rep  
Jim Stormer, PBC Health Department  
Tom Tittle, PBC Health Department  
Chet Lloyd  
Terry Apple / Project File  
Gary Jamison  
Larry Ehlinger

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FEB 23 2009

WEST COUNTY POWER PARTNERS, LLC

BUREAU OF AIR REGULATION

11401 Lamar Avenue  
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San Antonio, TX 78221  
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Fax: 210-475-8060

Florida Power & Light Company  
West County Energy Center - Unit 3

WCPP Project 161354  
WCPP File 32.0420/32.0450  
WCPP3-2009-TP-043  
February 12, 2009

Express Mail

Mr. Mike Halpin  
Florida Department of Environmental Protection  
Siting Coordination Office  
3900 Commonwealth Blvd. MS #48  
Tallahassee, FL 32399-2020

Subject: Notice of Commencement of Construction

Attention: Mr. Mike Halpin

Gentlemen:

Florida Power & Light Company (FPL) has hired West County Power Partners (WCPP) to be the Contractor for engineering and construction of the West County Energy Center Unit 3 Combined Cycle Project. John Tidwell, the Site Project Director, will serve as the WCPP contact person at the site for this purpose.

The Site Certification Order and Conditions of Certification (Order No. PA 05-47SA1) for the West County Energy Center Unit 3 Combined Cycle Project was issued on November 15, 2008, under authority of the Florida Power Plant Siting Act. In accordance with the Condition of Certification XXVII.D – Reporting, WCPP hereby provides notice that construction of West County Energy Center Unit 3 Combined Cycle Project will be initiated on March 30, 2009. WCPP will provide the first quarterly construction report in three months.

If you have any questions about the project, please give John Tidwell a call at 561-784-8048, ext. 137, or myself, Chet Lloyd at 281-384-7325.

Very truly yours,

WEST COUNTY POWER PARTNERS, LLC



Chet Lloyd  
Project Executive

cc: Tim Gray, SE Office FDEP  
Al Linero, Air Regulation Branch, FDEP  
Jim Golden, SFWMD  
Carrie Rechenmaker, Palm Beach County Zoning and Building Department  
Tom Young, FPL-Site  
Barbara Linkiewicz, FPL, Juno Beach  
Jan Kirwan, FPL, Juno Beach  
Carmine Priore, FPL-Site  
Edward Scoville II, FPL, Juno Beach  
Rob Leonard, FPL-Site  
Larry Payne, FPL-Site  
Chet Lloyd, WCPP La Porte  
Terry Apple, WCPP-Overland Park  
John Tidwell, WCPP-Site  
Bruce Beall, WCPP-Site  
Pat O'Dell, WCPP-Site  
Tom Magdanz, WCPP-Site  
3WCPP / Project File

# WEST COUNTY POWER PARTNERS, LLC

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Florida Power & Light Company  
West County Energy Center – Unit 1&2  
Permit No. – PSD-FL-354  
DEP File No. – 0990646-001-AC

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JAN 12 2009

WCPP Project 144553  
WCPP Files 14.0200/32.0585  
WCPP-2008-  
December 29, 2008

BUREAU OF AIR REGULATION

E-mail, Express Mail

Ms. Trina Vielhauer  
Florida Department of Environmental Protection  
Division of Air Resource Management  
Bureau of Air Regulation, Bureau Chief  
2600 Blair Stone Road, MS 5500  
Tallahassee, FL 32399-2400

Subject: Notification of Emergency Diesel Fire Pump  
Emissions Certification

Dear Ms. Vielhauer:

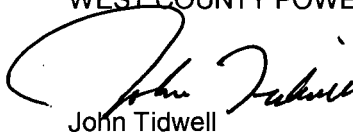
On behalf of Florida Power & Light Company (FPL), and its Designated Representative Sheila Wilkinson, the West County Power Partners, LLC (WCPP), EPC Contractor for construction of the new combined cycle generating units at the FPL West County Energy Center – Unit 1&2, is hereby submitting notification of the Emergency Diesel Fire Pump Emissions Certification. The Emergency Diesel Fire Pump has a site rating of 500bhp and is not subject to regulation under 40 CFR Part 63, Subpart ZZZZ (National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines).

The diesel motor for the Emergency Fire Pump is a John Deere, Model 6081AF001 and conforms to CARB and EPA Tier 1 Certifications.

If you have any questions about this project or this submittal, please contact John Tidwell or Patrick O'Dell at (561) 784-8048.

Very truly yours,

WEST COUNTY POWER PARTNERS, LLC



John Tidwell  
Project Director

cc: Tim Gray, FDEP Southeast District  
Mike Halpin, FDEP Siting Coordination Office  
Chet Lloyd, WCPP, San Antonio  
Terry Apple, WCPP, KC  
Janet Kirwan, FPL, Juno Beach

Florida Power & Light Company  
West County Energy Center – Unit 1&2

Page 2  
WCPP Project 144553  
October 13, 2008

David Fawcett, FPL, WCEC  
Document Control, WCPP Site

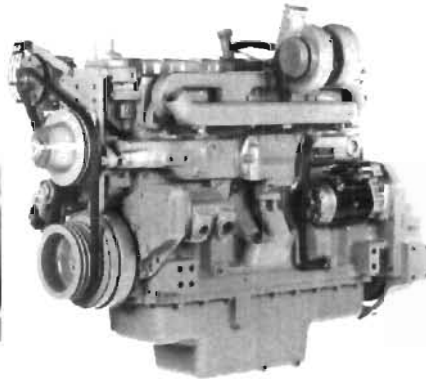


# JOHN DEERE

PowerTech™

## 6081A Diesel Engine

### for Generator Set Applications



6081AF Engine shown

### General Data

Model	6081AF001	Aspiration	Aftercooled
Number of cylinders	6	Length-- mm (in)	1210 (47.6)
Displacement-- L (cu in)	8.1 (494)	Width-- mm (in)	698 (27.5)
Bore and Stroke-- mm (in)	116 x 129 (4.57 x 5.08)	Height-- mm (in)	1138 (44.8)
Compression Ratio	16.5:1	Weight, dry-- kg (lb)	796 (1755)
Engine Type	In-line, 4-Cycle		

### Ratings

Prime power at 60 Hz (1800)	220 kW (295 hp)
Standby power at 60 Hz (1800)	259 kW (347 hp)

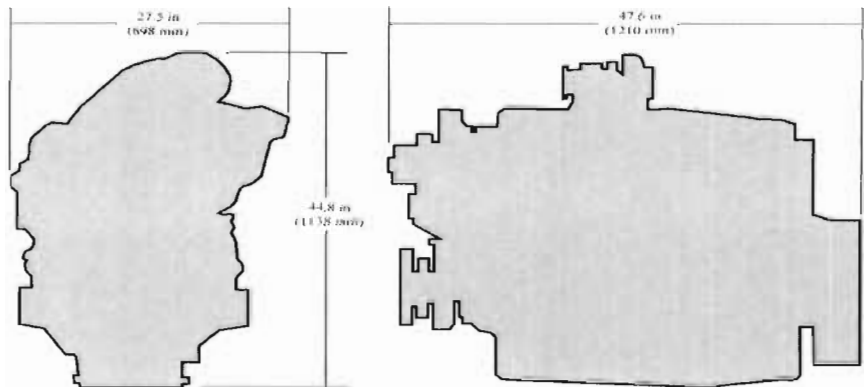
Prime power is the nominal power an engine is capable of delivering with a variable load for an unlimited number of hours per year. This rating conforms to ISO 3046 and SAE J1995.

Standby power is the nominal engine power available at varying load factors for up to 500 hours per year. This rating conforms to ISO 3046 and SAE J1995. The calculated generator set rating range for standby applications is based on minimum engine power (nominal -5%) to provide 100% meet-or-exceed performance for assembled standby generator sets.

### Certifications

- CARB
- EPA Tier 1

### Dimensions

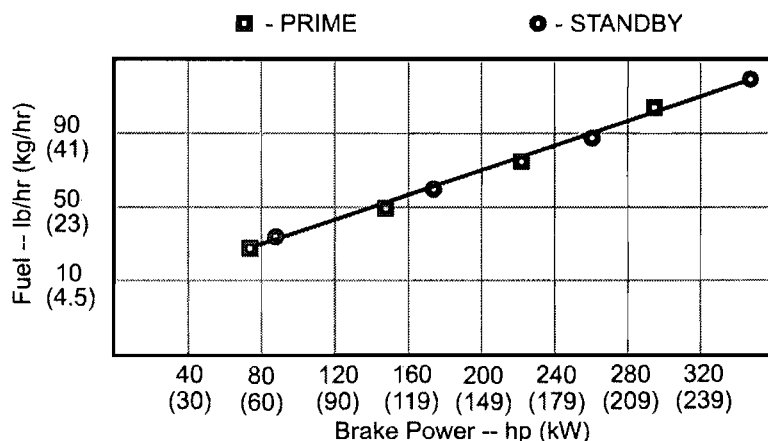




# PowerTech™ 6081A Diesel Engine

## for Generator Set Applications

### Performance curve



### Performance data

Hz (rpm)	Generator efficiency %	Fan power		Power factor	Calculated generator set output			
		kW	hp		Prime		Standby	
					kWe	kVa	kWe	kVa
60 (1800)	90-94	13.0	17.4	0.8	186-194	233-243	221-231	277-289

### Features and Benefits

#### Replaceable, Directed Top-Liner Cooling

- Reduces upper liner temperature by as much as 100 degrees Fahrenheit or 54 degrees Celsius
- Durable and reliable power cylinder components
- Hardened and precision machined for long life
- Rebuild to original specifications

#### Rugged Cast Iron Engine Block

- Deep skirted design provides added strength and reduced noise

#### Easy to Apply, Easy to Install

- Front and rear engine mounting pads on the side of the block facilitates installation
- Either side service for filters and service points facilitates packaging
- All connection points in common locations make it easy to install or package
- Adjustable fan drive with multiple fan ratios with automatic belt tensioner

#### Compact Size

- Narrow design and low profile arrangement contribute to compact packaging
- High mount or low mount turbocharger position to meet packaging requirements

#### World-class performance

- Excellent fuel economy and low oil consumption

#### Fuel System Controls

- In-line fuel injection pump with resulting in excellent fuel economy and excellent performance
- Self diagnostics and protection
- 3-5% Droop Governing
- 12V or 24V Electric Shutoff

#### Emissions

- CARB & EPA Certified



**JOHN DEERE**

John Deere Power Systems  
3801 W. Ridgeway Ave.  
PO Box 5100  
Waterloo, IA 50704-5100  
Phone: 800.553.6446  
Fax: 319.292.5075

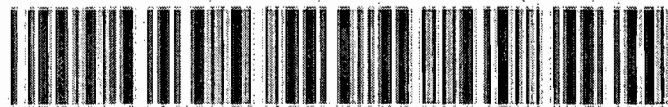
John Deere Power Systems  
Usine de Saran  
La Foulonnerie - B.P. 11.13  
45401 Fleury les Aubrais Cedex  
France  
Phone: 33.2.38.82.61.19  
Fax: 33.2.38.82.60.00



**JOHN DEERE**

**EMISSION CONTROL INFORMATION  
DEERE & COMPANY**

•In the U.S., this engine may be used only in stationary fire pump applications in accordance with requirements of 40 CFR Part 60 and is excluded from requirements of 40 CFR Parts 89 and 1039. Installing or using this engine in any other application may be a violation of U.S. federal law subject to civil penalty. This engine may also be used for applications that are not subject to applicable EPA or EU emissions regulations, and for export to countries that do not have emissions regulations.



R524846

ISO9001 Registered

**For Engine Service and Parts -- [www.JohnDeere.com/dealer](http://www.JohnDeere.com/dealer)**

## Walker, Elizabeth (AIR)

---

**From:** Heron, Teresa  
**Sent:** Thursday, December 18, 2008 12:36 PM  
**To:** Walker, Elizabeth (AIR)  
**Subject:** FW: WCEC Auxiliary Boiler Request For Exemption Withdrawal  
**Attachments:** exemption\_request\_withdrawl.pdf

I don't think we have an assigned project number, but you can file this letter in the West County's files (PSD-FL-354).

Thanks, Teresa

---

**From:** Hampp, John [mailto:John.Hampp@fpl.com]  
**Sent:** Wednesday, December 17, 2008 2:45 PM  
**To:** Linero, Alvaro  
**Cc:** Heron, Teresa  
**Subject:** WCEC Auxiliary Boiler Request For Exemption Withdrawal

Al & Teresa,

Attached you will find an electronic copy of FPL's withdrawal of our request for an exemption for the 109 mmBtu/hr aux boiler. The WCEC has located another smaller boiler that meets the regulatory requirements for one of the aux boilers already permitted in the WCEC air construction permit. I will send the original via US Postal Service today.

Thank you for your assistance in this matter.

John Hampp  
Principal Env. Specialist  
FPL



**FPL**

December 16, 2008

Trina Vielhauer  
Bureau of Air Regulations  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399

**Re: Withdrawal of Exemption Request For Temporary Auxiliary Boiler,  
West County Energy Center**

Florida Power & Light – WCEC  
Permit No. **0990646-001-AC, PSD-FL-354**

Dear Ms. Vielhauer:

FPL respectfully withdraws its' September 3, 2008 request for the the Department to grant FPL a conditional exemption from the requirement to obtain a construction permit for the use of the temporary auxiliary boiler in accordance with Rule 62-4.040 of the Florida Administrative Code (F.A.C.). The WCEC has arranged to obtain a smaller temporary auxiliary boiler that meets the regulatory requirements of the auxiliary boilers previously permitted in the WCEC construction permit. FPL and the WCEC project both appreciate your assistance and consideration in this matter.

Sincerely,

John C. Hampp  
Principal Environmental Specialist  
FPL  
JES/JB  
700 Universe Blvd.  
Juno Beach, FL 33458  
561-691-2894 – office  
[john.hampp@fpl.com](mailto:john.hampp@fpl.com)



**FPL**

**RECEIVED**

DEC 29 2008

BUREAU OF AIR REGULATION

December 16, 2008

Trina Vielhauer  
Bureau of Air Regulations  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399

**Re: Withdrawal of Exemption Request For Temporary Auxiliary Boiler,  
West County Energy Center**  
Florida Power & Light – WCEC  
Permit No. **0990646-001-AC, PSD-FL-354**

Dear Ms. Vielhauer:

FPL respectfully withdraws its' September 3<sup>0</sup>, 2008 request for the the Department to grant FPL a conditional exemption from the requirement to obtain a construction permit for the use of the temporary auxiliary boiler in accordance with Rule 62-4.040 of the Florida Administrative Code (F.A.C.). The WCEC has arranged to obtain a smaller temporary auxiliary boiler that meets the regulatory requirements of the auxiliary boilers previously permitted in the WCEC construction permit. FPL and the WCEC project both appreciate your assistance and consideration in this matter.

Sincerely,

John C. Hampp  
Principal Environmental Specialist  
FPL  
JES/JB  
700 Universe Blvd.  
Juno Beach, FL 33458  
561-691-2894 – office  
[john.hampp@fpl.com](mailto:john.hampp@fpl.com)



**FPL**

September 26, 2008

Trina Vielhauer  
Bureau of Air Regulations  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399

**RECEIVED**

SEP 30 2008

BUREAU OF AIR REGULATION

**Re: Exemption For Temporary Auxiliary Boiler, West County Energy Center**

Florida Power & Light – WCEC  
Permit No. 0990646-001-AC, PSD-FL-354

Dear Ms. Vielhauer:

The West County Energy Center (WCEC) will be bringing on site a temporary auxiliary boiler to provide steam as construction of the Unit 1 Heat Recovery Steam Generators (HRSGs) will require steam blows for the installed piping. The facility was permitted for the installation and operation of two 99.8 MMBtu/Hr permanent auxiliary boilers with an annual operating limit of 500 hours per year each boiler. During construction of WCEC Units 1 and 2 FPL the site plans to install only one auxiliary boiler and provide additional needed steam through use of the temporary auxiliary boiler. FPL has determined that the emissions from the temporary equipment is insignificant and would not result in an increase, or potential increase, in the emission of any pollutant exceeding the criteria for generic and temporary exemptions under Rule 62-210.300 (3)(b)(1). Additionally, the temporary auxiliary boiler specifications provided by the vendor demonstrate that the potential emissions from the permanent auxiliary boiler and those emissions temporary auxiliary boiler will be less than the permitted emissions from the auxiliary boilers permitted for WCEC Units 1 & 2.

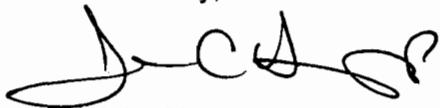
The rental auxiliary boiler is temporary equipment that is on wheels will be moved off-site following the completion of steam blows on Unit 1. The portable temporary rental auxiliary boiler specifications are as follows:

- Boiler Production Capacity: 75,000 lb/hr steam (gross)
- Design heat Input: 109.0 MMBtu/hr (natural gas)
- Stub Stack Height: 19ft AGL
- Emissions (natural gas): NOx = 30 ppm (~0.04 lb/MMBtu)
- CO = 50 ppm (~0.06 lb/MMBtu)
- Duration of plant on site will be from 10/01/08 until 12/31/08 with estimated site usage = ~140 hrs @ Max. Design Heat Input; < 500 hrs total operating hours

*after main emission*  
*DB needs to comply with NSPS*  
*Pre DB rule 295*

FPL requests that the Department grant a conditional exemption from the requirement to obtain a construction permit for the use of the temporary auxiliary boiler in accordance with Rule 62-4.040 of the Florida Administrative Code (F.A.C.).

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Hampp', written in a cursive style.

John Hampp  
Principal Environmental Specialist  
FPL  
JES/JB  
700 Universe Blvd.  
Juno Beach, FL 33458  
561-691-2894 – office  
[john.hampp@fpl.com](mailto:john.hampp@fpl.com)

# WEST COUNTY POWER PARTNERS, LLC

11401 Lamar Avenue  
Overland Park, Kansas 66211  
Tel: (913) 458-2000  
Fax: (913) 458-2934

527 Logwood  
San Antonio, TX 78221  
Ph: 210-475-8000  
Fax: 210-475-8060

Florida Power & Light Company  
West County Energy Center – Unit 1&2  
Permit No. – PSD-FL-354  
DEP File No. – 0990646-001-AC

WCPP Project 144553  
WCPP Files 14.0100, 32.0585  
WCPP-2009-TP-476  
May 27, 2009

E-mail, Express Mail

Ms. Trina Vielhauer  
Florida Department of Environmental Protection  
Division of Air Resource Management  
Bureau of Air Regulation, Bureau Chief  
2600 Blair Stone Road, MS 5500  
Tallahassee, FL 32399-2400

Subject: First Fire Completion Notification of West  
County Combustion Turbine (CT) 1A

Dear Ms. Vielhauer:

On behalf of Florida Power & Light Company (FPL) and its Designated Representative, Sheila M. Wilkinson, the West County Power Partners, LLC (WCPP), EPC Contractor for construction of the new combined cycle generating unit at the FPL West County Energy Center – Unit 1&2, is submitting this notification in accordance with the regulations cited below.

This correspondence is to serve as notification to the Department, in accordance with 40 CFR 60.7(a)(3), FPL first fired Combustion Turbine (CT) 1A using natural gas on May 17, 2009.

If you have any questions about this notification, please contact Terry Apple at (913) 458-7220 or John Tidwell at (561) 784-8048.

Very truly yours,

WEST COUNTY POWER PARTNERS, LLC

  
*br* Chet Lloyd  
Project Executive

RECEIVED

MAY 28 2009

BUREAU OF AIR REGULATION



cc: Dave McNeal, USEPA Air, Pesticides and Toxics Management  
Kevin Tran, USEPA Clean Air Markets Division  
Errin Pichard, FDEP Air Resource Management  
Lee Hoefert, FDEP Southeast District  
Tim Gray, FDEP Southeast District  
Tom Cascio, FDEP Bureau of Air Regulation  
Mike Halpin, FDEP Siting Coordination Office  
K. M. Davis, FPL ACG/GO  
Sheila M. Wilkinson, FPL Designated Rep  
Jim Stormer, PBC Health Department  
Tom Tittle, PBC Health Department  
E.N. Scoville II, FPL Director Construction  
Tom Young, FPL Construciton Project General Manager  
Jan Kirwan, FPL Environmental Specialist  
Carmine Priore, FPL Plant General Manager  
Chet Lloyd, WCPP Project Executive  
John Tidwell, WCPP Senior Project Manager  
Pat Odell, WCPP Site Environmental Manager  
Terry Apple, WCPP Project Manager/ Project File  
Daniel Chang, WCPP Environmental Specialist