

FULL COMPLIANCE EVALUATION (FCE) CHECKLIST

ARMS ID 1110121	OWNER/COMPANY Florida Municipal Power	SITE NAME Treasure Coast Energy
<input checked="" type="checkbox"/> TITLE V	<input type="checkbox"/> SYNTHETIC MINOR (Emissions limited to $\geq 80\%$ and $< 100\%$ of major source thresholds)	DATE OF THIS FCE: 09 /11/ 2012 <input checked="" type="checkbox"/> ON-SITE ASSESSMENT <input type="checkbox"/> OFF-SITE ASSESSMENT (Explain reason for Off-Site in 'Comments')
<input type="checkbox"/> TITLE V MEGA-SITE*	<input type="checkbox"/> OTHER:	DATE OF PREVIOUS FCE: 06/16/2010

*Facility with a large number of complex emissions units. It is more reasonable to evaluate a Title V Mega-Site once every 3 years instead of once every 2 years.

REVIEW OF ALL REQUIRED REPORTS

	PERIODIC REPORTS	COMMENTS
<input checked="" type="checkbox"/> DONE <input type="checkbox"/> N/A	Annual Operating	2/08/12, 03/09/11
<input checked="" type="checkbox"/> DONE <input type="checkbox"/> N/A	Annual Statement of Compliance – Title V	2/16/12, 2/10/11
<input checked="" type="checkbox"/> DONE <input type="checkbox"/> N/A	Title V Semi-Annual Monitoring	7/11/12, 1/19/12, 7/11/11, 1/13/11
<input type="checkbox"/> DONE <input checked="" type="checkbox"/> N/A	Semi-Annual Compliance	
<input checked="" type="checkbox"/> DONE <input type="checkbox"/> N/A	Quarterly Compliance	7/11/12, 4/10/12, 1/19/12, 10/12/11, 7/8/11
<input checked="" type="checkbox"/> DONE <input type="checkbox"/> N/A	Stack Test	10/14/10, 7/11/11, 7/11/12
<input type="checkbox"/> DONE <input checked="" type="checkbox"/> N/A	Visible Emissions Test	10/14/10, 7/11/11, 7/11/12
<input type="checkbox"/> DONE <input type="checkbox"/> N/A	Other:	

	CONTINUOUS EMISSION MONITOR REPORTS	COMMENTS
<input checked="" type="checkbox"/> DONE <input type="checkbox"/> N/A	Quarterly excess emissions	7/11/12, 4/10/12, 1/19/12, 10/12/11, 7/11/11, more
<input checked="" type="checkbox"/> DONE <input type="checkbox"/> N/A	Semi-annual excess emissions NSPS	8/8/12, 1/19/12, 7/11/11, 1/13/11
<input checked="" type="checkbox"/> DONE <input type="checkbox"/> N/A	RATA	10/14/10, 7/11/11, 7/11/12
<input checked="" type="checkbox"/> DONE <input type="checkbox"/> N/A	CGA/ linearity	9/14/10, 7/11/11, 1/17/12, more
<input type="checkbox"/> DONE <input type="checkbox"/> N/A	Other :	
<input type="checkbox"/> DONE <input type="checkbox"/> N/A	Other :	

OBSERVATIONS AND RECORDS REVIEW

	OBSERVATIONS AND RECORDS	COMMENTS
<input checked="" type="checkbox"/> DONE <input type="checkbox"/> N/A	Visible emission observation(s)	Reviewed records, did not witness tests
<input checked="" type="checkbox"/> DONE <input type="checkbox"/> N/A	Review of facility records and logs	
<input checked="" type="checkbox"/> DONE <input type="checkbox"/> N/A	Assessment of process parameters (feed rates, process rates, raw material compositions, etc.)	Reviewed records, did not witness tests
<input checked="" type="checkbox"/> DONE <input type="checkbox"/> N/A	Assessment of control equipment performance parameters (water flow rates, pressure drops, temperatures, ESP power levels, etc.)	
<input checked="" type="checkbox"/> DONE <input type="checkbox"/> N/A	Stack test observation(s)	Reviewed records, did not witness tests
<input checked="" type="checkbox"/> DONE <input type="checkbox"/> N/A	Other : fuel certification	

FULL COMPLIANCE EVALUATION (FCE) CHECKLIST

<input type="checkbox"/> DONE	<input type="checkbox"/> N/A	Other :
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INSPECTION REPORTS (COMPLIANCE MONITORING REPORTS)

DATE OF INSPECTION	DATE OF INSPECTION REPORT	FULL/PARTIAL (F OR P)	INVESTIGATIVE (YES OR NO)	LOCATION OF INSPECTION REPORT REQUIRED ELEMENTS:					
				FACILITY INFO	APPLICABLE REQUIREMENTS	LIST OF EUS	ENFORCEMENT HISTORY	COMPLIANCE ACTIVITIES	FINDINGS & RECOMMENDATIONS
9/11/12 FCE	9/13/12	F	no	<input checked="" type="checkbox"/> EASIIR/ARMS/APDS	<input checked="" type="checkbox"/> EASIIR/ARMS/APDS	<input checked="" type="checkbox"/> EASIIR/ARMS/APDS	<input checked="" type="checkbox"/> EASIIR/ARMS/ACES	<input checked="" type="checkbox"/> EASIIR/ARMS/ACES	<input checked="" type="checkbox"/> EASIIR/ARMS/ACES
				<input checked="" type="checkbox"/> Paper Files	<input checked="" type="checkbox"/> Paper Files	<input checked="" type="checkbox"/> Paper Files	<input checked="" type="checkbox"/> Paper Files	<input checked="" type="checkbox"/> Paper Files	<input checked="" type="checkbox"/> Paper Files
9/14/10 INS3	9/14/10	F	no	<input checked="" type="checkbox"/> EASIIR/ARMS/APDS	<input checked="" type="checkbox"/> EASIIR/ARMS/APDS	<input checked="" type="checkbox"/> EASIIR/ARMS/APDS	<input checked="" type="checkbox"/> EASIIR/ARMS/ACES	<input checked="" type="checkbox"/> EASIIR/ARMS/ACES	<input checked="" type="checkbox"/> EASIIR/ARMS/ACES
				<input checked="" type="checkbox"/> Paper Files	<input checked="" type="checkbox"/> Paper Files	<input checked="" type="checkbox"/> Paper Files	<input checked="" type="checkbox"/> Paper Files	<input checked="" type="checkbox"/> Paper Files	<input checked="" type="checkbox"/> Paper Files
				<input type="checkbox"/> EASIIR/ARMS/APDS	<input type="checkbox"/> EASIIR/ARMS/APDS	<input type="checkbox"/> EASIIR/ARMS/APDS	<input type="checkbox"/> EASIIR/ARMS/ACES	<input type="checkbox"/> EASIIR/ARMS/ACES	<input type="checkbox"/> EASIIR/ARMS/ACES
				<input type="checkbox"/> Paper Files	<input type="checkbox"/> Paper Files	<input type="checkbox"/> Paper Files	<input type="checkbox"/> Paper Files	<input type="checkbox"/> Paper Files	<input type="checkbox"/> Paper Files

In-house tools with electronic report generation features: ARMS (Air Resource Management System) database; and EASIIR (Electronic Access System for Inspection Information Retrieval)

Internet-accessible information: ACES (Air Compliance and Enforcement Search); and APDS (Air Permit Documents Search)

COMMENTS

A SED staff member visited the power plant on 9/11/12 to review records and inspect the facility for the FCE. The facility staff was able to demonstrate multiple record keeping parameters as required by the permit. A copy of the Feb 2008- Aug 2012 fuel usage (permit requirement A.30), and one day (day selected by inspector) of calculated max heat rate (permit requirement A.7) is attached. There were no violations discovered.

Prepared by: Patricia Tampas

Date: 9/13/12

Reviewed by: _____

Date: _____

Average Values Report
Generated: 9/11/2012 11:58

Company: FMPA Treasure Coast Energy U1
Plant: 4545 Energy Lane
City/St: Fort Pierce, Fla 34981
Source: HRSGL

Period Start: 2/28/2012 00:00
Period End: 2/28/2012 23:59
Validation Type: 40CFR75 Subpart B
Averaging Period: 1 hr
Type: Block Avg

Period Start:	Average 1_HEAT_GAS MMBtuh	Compressor Inlet T (deg. F)	HI Limit @ Actual T (mmBtu/hr)
02/28/2012 00:00	1319.6	72	1,842.40 pass
02/28/2012 01:00	1228.3	83	1,786.78 pass
02/28/2012 02:00	1170.8	88	1,759.41 pass
02/28/2012 03:00	1144.2	90	1,748.10 pass
02/28/2012 04:00	1148.0	91	1,742.36 pass
02/28/2012 05:00	1246.2	88	1,759.41 pass
02/28/2012 06:00	1450.9	76	1,822.90 pass
02/28/2012 07:00	1445.3	72	1,842.40 pass
02/28/2012 08:00	1461.9	70	1,851.83 pass
02/28/2012 09:00	1471.1	75	1,827.85 pass
02/28/2012 10:00	1533.6	79	1,807.73 pass
02/28/2012 11:00	1530.9	80	1,802.57 pass
02/28/2012 12:00	1502.4	82	1,792.09 pass
02/28/2012 13:00	1497.1	80	1,802.57 pass
02/28/2012 14:00	1484.3	80	1,802.57 pass
02/28/2012 15:00	1481.0	81	1,797.36 pass
02/28/2012 16:00	1491.3	81	1,797.36 pass
02/28/2012 17:00	1462.1	79	1,807.73 pass
02/28/2012 18:00	1506.2	78	1,812.84 pass
02/28/2012 19:00	1561.0	77	1,817.90 pass
02/28/2012 20:00	1503.1	75	1,827.85 pass
02/28/2012 21:00	1476.8	75	1,827.85 pass
02/28/2012 22:00	1460.4	75	1,827.85 pass
02/28/2012 23:00	1519.0	75	1,827.85 pass
Daily Average*	1420.6		
Maximum*	1561.0		
		02/28/2012	
		19:00	
Minimum*	1144.2		
		02/28/2012	
		3:00	

* Does not include Invalid Averaging Periods ("N/A")

Babcock & Wilcox Power Generation Group NetDAHS®

Version 45.0

Monthly Fuel Usage & Operating Time
EMPA
Treasure Coast

	Total Gas (kscf)		Total Oil (lbs)		Total Op Time (hours)		DB Op Time (hours)	
	12 Month Rolling Totals	12 Month Rolling Totals	12 Month Rolling Totals	12 Month Rolling Totals	12 Month Rolling Totals	12 Month Rolling Totals	12 Month Rolling Totals	
Feb 2008	0.0	0.0	0.0	0.0	0.00	0.0	57	57.3
Mar 2008	0.0	0.0	0.0	0.0	0.00	0.0	744	801.3
Apr 2008	306765.7	306765.7	0.0	0.0	303.94	303.9	720	1521.3
May 2008	434560.9	741326.6	0.0	2582538.7	258.75	562.7	355	1876.0
Jun 2008	977212.6	1718539.2	0.0	2582538.7	645.36	1208.1	645	2521.4
Jul 2008	847490.2	2566029.4	0.0	2582538.7	605.57	1813.6	606	3127.0
Aug 2008	937323.3	3503352.7	0.0	2582538.7	655.04	2468.7	655	3782.0
Sep 2008	877872.7	4381225.4	0.0	2582538.7	643.72	3112.4	644	4425.7
Oct 2008	1059723.6	5440949.0	0.0	2582538.7	728.59	3841.0	729	5154.3
Nov 2008	604677.3	6045626.3	37092.3	2619631.0	458.10	4299.1	458	5612.4
Dec 2008	990963.4	7036589.7	0.0	2619631.0	733.52	5032.6	733	6345.9
Jan 2009	1044530.9	8081120.6	0.0	2619631.0	744.00	5776.6	744	7089.9
Feb 2009	963536.7	9044657.3	0.0	2619631.0	663.38	6440.0	663	7695.9
Mar 2009	1130408.0	10175065.3	0.0	2619631.0	743.12	7183.1	743	7695.1
Apr 2009	603001.4	10471301.0	0.0	2619631.0	392.40	7271.6	392	7367.6
May 2009	1146991.4	11183731.5	85852.2	122944.5	742.86	7755.7	743	7755.7
Jun 2009	1060553.7	11267072.6	0.0	122944.5	710.25	7820.6	710	7820.6
Jul 2009	917689.2	11337271.6	0.0	122944.5	580.48	7795.5	580	7795.5
Aug 2009	949830.7	11349778.9	0.0	122944.5	620.58	7761.0	621	7761.0
Sep 2009	1159312.1	11631218.4	0.0	122944.5	720.00	7837.3	720	7837.3
Oct 2009	1103558.5	11675053.3	0.0	122944.5	683.48	7792.2	683	7792.2
Nov 2009	317059.3	11387435.3	0.0	85852.2	223.59	7557.7	224	7557.7
Dec 2009	869214.4	11265686.3	42903.0	128755.2	674.66	7498.8	675	7498.8
Jan 2010	1020115.0	11241270.4	0.0	128755.2	731.67	7486.5	732	7486.5
Feb 2010	920888.8	11198622.5	0.0	128755.2	672.00	7495.1	672	7495.1
Mar 2010	1057995.2	11126209.6	0.0	128755.2	734.94	7486.9	735	7487.0
Apr 2010	1073448.9	11596657.0	0.0	128755.2	718.90	7813.4	719	7813.4
May 2010	884766.9	11334432.6	0.0	42903.0	578.60	7649.1	579	7649.2
Jun 2010	1049832.4	11323711.4	0.0	42903.0	690.50	7629.4	690	7629.4
Jul 2010	1147602.5	11553624.7	0.0	42903.0	744.00	7792.9	744	7792.9
Aug 2010	1110327.4	11714121.4	0.0	42903.0	744.00	7916.3	744	7916.3
Sep 2010	1110753.1	11665562.4	0.0	42903.0	720.00	7916.3	720	7916.3
Oct 2010	1105083.4	11667087.2	0.0	42903.0	744.00	7976.9	744	7976.9
Nov 2010	942831.2	12292859.2	220383.4	263286.4	606.74	8360.0	607	8360.0
Dec 2010	994395.2	12418040.0	0.0	220383.4	685.73	8371.1	686	8371.1
Jan 2011	1061343.8	12459268.8	0.0	220383.4	744.00	8383.4	744	8383.4
Feb 2011	955822.1	12494202.1	0.0	220383.4	672.00	8383.4	25	7664.7
Mar 2011	1097518.1	12533725.1	0.0	220383.4	744.00	8392.5	10	7002.4
Apr 2011	818598.9	12278875.0	0.0	220383.4	528.62	8202.2	43	6310.6
May 2011	1116527.2	12510635.3	0.0	220383.4	735.78	8359.4	51	5156.5
Jun 2011	1106837.1	12567640.0	0.0	220383.4	720.00	8388.9	86	4551.7
Jul 2011	1119888.7	12539926.1	0.0	220383.4	744.00	8388.9	90	3897.3
Aug 2011	1120220.7	12549819.5	0.0	220383.4	743.98	8388.9	91	3244.6
Sep 2011	1117762.7	12556829.0	0.0	220383.4	720.00	8388.9	98	2622.7
Oct 2011	247343.0	11699088.7	102223.2	322606.6	167.25	7812.1	2	1880.7

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Monthly Fuel Usage & Operating Time

EMPA
Treasure Coast

	Total Gas (kscf)	12 Month Rolling Totals	Total Oil (lbs)	12 Month Rolling Totals	Total Op Time (hours)	12 Month Rolling Totals	DB Op Time (hours)	12 Month Rolling Totals
Nov 2011	939367.2	11695624.7	448386.8	550610.0	629.03	7834.4	101	1374.6
Dec 2011	1075680.5	11776910.0	0.0	550610.0	717.39	7866.1	70	759.2
Jan 2012	1140797.4	11856363.6	0.0	550610.0	734.13	7856.2	136	870.1
Feb 2012	1078930.0	11979471.5	0.0	550610.0	684.03	7868.2	176	1036.0
Mar 2012	1154870.2	12036823.6	0.0	550610.0	727.99	7852.2	193	1186.1
Apr 2012	1220506.3	12438731.0	0.0	550610.0	720.00	8043.6	322	1415.9
May 2012	1251502.8	12573706.6	0.0	550610.0	744.00	8051.8	296	1661.1
Jun 2012	1075221.4	12542090.9	0.0	550610.0	661.32	7993.1	207	1782.7
Jul 2012	1186691.8	12608894.0	0.0	550610.0	744.00	7993.1	136	1829.2
Aug 2012	1085020.6	12573693.9	55491.7	606101.7	688.56	7937.7	111	1849.2