

## FULL COMPLIANCE EVALUATION (FCE) CHECKLIST

ARMS ID 0250476	OWNER/COMPANY Miami-Dade Water and Sewer	SITE NAME Central District Wastewater Treatment
<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: 9 / 14 / 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: 8 / 24 / 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	3/03/2012, 3/31/2011
<input checked="" type="checkbox"/> DONE <input type="checkbox"/> N/A	Annual Statement of Compliance – Title V	3/13/12, 2/28/11
<input checked="" type="checkbox"/> DONE <input type="checkbox"/> N/A	Title V Semi-Annual Monitoring	9/10/10, 3/1/11, 9/15/11, 3/5/12
<input type="checkbox"/> DONE <input checked="" type="checkbox"/> N/A	Semi-Annual Compliance	
<input type="checkbox"/> DONE <input checked="" type="checkbox"/> N/A	Quarterly Compliance	
<input checked="" type="checkbox"/> DONE <input type="checkbox"/> N/A	Stack Test	12/05/11 (not on EU10), 4/20/11 (not on EU 7,10,11)
<input checked="" type="checkbox"/> DONE <input type="checkbox"/> N/A	Visible Emissions Test	12/05/11 (not on EU10), 4/20/11 (not on EU 7,10,11)
<input type="checkbox"/> DONE <input checked="" type="checkbox"/> N/A	Other:	

CONTINUOUS EMISSION MONITOR REPORTS	COMMENTS
<input type="checkbox"/> DONE <input checked="" type="checkbox"/> N/A	Quarterly excess emissions No CEMS
<input type="checkbox"/> DONE <input checked="" type="checkbox"/> N/A	Semi-annual No CEMS
<input type="checkbox"/> DONE <input checked="" type="checkbox"/> N/A	RATA No CEMS
<input type="checkbox"/> DONE <input checked="" type="checkbox"/> N/A	CGA No CEMS
<input type="checkbox"/> DONE <input checked="" type="checkbox"/> N/A	Other : No CEMS
<input type="checkbox"/> DONE <input checked="" type="checkbox"/> N/A	Other : No CEMS

### OBSERVATIONS AND RECORDS REVIEW

OBSERVATIONS AND RECORDS	COMMENTS
<input checked="" type="checkbox"/> DONE <input type="checkbox"/> N/A	Visible emission observation(s) 10/24/11, 3/4/11
<input checked="" type="checkbox"/> DONE <input type="checkbox"/> N/A	Review of facility records and logs 9/10/12
<input checked="" type="checkbox"/> DONE <input type="checkbox"/> N/A	Assessment of process parameters (feed rates, process rates, raw material compositions, etc.)
<input type="checkbox"/> DONE <input checked="" 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) 10/24/11, 3/4/11
<input type="checkbox"/> DONE <input type="checkbox"/> N/A	Other :
<input type="checkbox"/> DONE <input type="checkbox"/> N/A	Other :

# FULL COMPLIANCE EVALUATION (FCE) CHECKLIST

## INSPECTION REPORTS (COMPLIANCE MONITORING REPORTS)

DATE OF INSPECTION	DATE OF INSPECTION REPORT	FULL/PARTIAL (FOR P)	INVESTIGATIVE (YES OR NO)	LOCATION OF INSPECTION REPORT REQUIRED ELEMENTS:					
				FACILITY INFO	APPLICABLE REQUIREMENTS	LIST OF EUS	ENFORCEMENT HISTORY	COMPLIANCE ACTIVITIES	FINDINGS & RECOMMENDATIO
9/10/2012 FCE	9/14/12	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
10/24/2011 INS3	11/09/11	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 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
3/04/11 INS3	NOT AVAILABLE	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 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 site visit on 9/10/12 found that EUs 10 and 11 were being replaced prior to the application of a construction permit. The contractors were actively replacing these units during the inspection. . The facility is aware that a construction permit is needed, and is in contact with the permitting staff in Tallahassee to get the issue resolved. According to the facility contact, these units should not be used until the facility is in compliance. Additionally, EUs 7 and 9 were recently repaired. Records were reviewed and several examples are attached. A NCL will be sent to facility to address the units being replaced

Prepared by: Patricia Tampas

Date: 09/ 14/ 2012

Reviewed by: \_\_\_\_\_

Date: \_\_\_\_\_

# CENTRAL DISTRICT WASTEWATER TREATMENT PLANT

## 2012

### ENGINES GENERATING ELECTRICITY

DATE	EMISSION UNIT - 007 (1)			EMISSION UNIT - 009 (2)			EMISSION UNIT - 010 (3)			EMISSION UNIT - 011 (4)			TOTAL
	HOUR	GAS Million C.F.	ELEC 1000 KWH	HOUR	GAS Million C.F.	ELEC 1000 KWH	HOUR	GAS Million C.F.	ELEC 1000 KWH	HOUR	GAS Million C.F.	ELEC 1000 KWH	
January	478.0	10.99	501.9	58.0	1.33	60.9	0.0	0.00	0.0	682.0	15.69	722.4	28.01
February	516.0	11.87	539.7	0.0	0.00	0.0	0.0	0.00	0.0	657.0	15.11	711.9	26.98
March	700.0	16.10	732.9	0.0	0.00	0.0	0.0	0.00	0.0	570.0	13.11	594.3	29.21
April	562.0	12.93	585.9	38.0	0.87	33.6	0.0	0.00	0.0	691.0	15.89	728.7	29.69
May	614.0	14.12	634.2	727.0	16.72	779.1	0.0	0.00	0.0	0.0	0.00	0.0	30.84
June	558.0	12.83	560.7	542.0	12.47	556.5	0.0	0.00	0.0	0.0	0.00	0.0	25.30
July	516.0	11.87	514.5	459.0	10.56	443.1	0.0	0.00	0.0	0.0	0.00	0.0	22.43
August	419.0	9.64	428.4	499.0	11.48	533.4	0.0	0.00	0.0	0.0	0.00	0.0	21.11
September													0.00
October													0.00
November													0.00
December													0.00
<b>TOTAL</b>	<b>4363.0</b>	<b>100.35</b>	<b>4498.2</b>	<b>2323.0</b>	<b>53.43</b>	<b>2406.6</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>2600.0</b>	<b>59.8</b>	<b>2757.3</b>	<b>213.58</b>

*Started PARRELLING with FPL on February 11, 2009*

### STATIONS

DATE	4th STREET	FUEL OIL GALLONS	9th STREET
January	9204		
February	7965		
March	8249		
April	10041		
May	9929		
June	9829		
July	9905		
August	15020		
September			
October			
November			
December			
<b>TOTAL</b>	<b>80,142</b>		

### VK EMD

FUEL OIL GALLONS
402
2544
1220
4301
3608
27631
147
41643
<b>81,496</b>

### Hydrogen Sulfides

Raw	grains per 100 cubic ft Scrubbed	
	Raw	Scrubbed
302	109	
302	108	
301	108	
298	104	
296	108	
302	108	
296	105	
	106	
<b>300</b>	<b>107</b>	

### Gas Produced

Million Cubic Feet	
40.5	
43.0	
41.3	
42.1	
38.5	
38.0	
32.1	
<b>Total</b>	<b>275.6</b>

### Emission Units

OPERATING HOURS	2012	
	2011	12 month
1380.0	1218.0	14639.0
1189.0	1173.0	14623.0
1161.0	1270.0	14732.0
1273.0	1291.0	<b>14750.0</b>
1440.0	1341.0	14651.0
1307.0	1100.0	14444.0
1306.0	975.0	14113.0
1281.0	918.0	13750.0
1184.0	0.0	12566.0
996.0	0.0	11570.0
1090.0	0.0	10480.0
1194.0	0.0	9286.0
<b>14801.0</b>	<b>9286.0</b>	<b>14750.0</b>



# Central District Wastewater Treatment Plant

## EMD FUEL USE ROLLING TOTALS (GALLONS)

Limit 725000 Gallons per 365-days 2012

DATE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	113733	109709	109756	98280	101509	103056	128369	125636				
2	113733	109789	109756	98280	101509	103056	128369	125699				
3	114135	109789	108744	98455	101346	103056	128369	125643				
4	114135	109789	107278	98455	101491	105239	128369	125643				
5	114135	109789	107278	98084	101301	105239	128445	125396				
6	114135	109789	107278	98104	101301	108261	128445	125396				
7	114079	110566	107151	98104	101359	112175	128445	125396				
8	114079	110566	107151	98104	101359	114853	128445	125336				
9	114079	110566	107073	98104	101359	114853	128516	125336				
10	114079	108839	107073	98104	101557	114853	128516	125392				
11	114079	110473	107073	98131	101455	114853	128516	125392				
12	114079	110473	107073	98068	101455	123679	128516	125392				
13	109914	110473	107073	98068	101455	125539	128516	125392				
14	109764	110473	104116	98068	101304	127255	126733	125392				
15	109764	110473	104116	97731	101304	128628	126686	125392				
16	109764	110473	103908	97731	101304	128628	126686	124381				
17	109764	110379	103908	97792	101541	128029	126686	124290				
18	109764	110379	103908	97464	101597	129883	126686	124190				
19	109764	110379	104581	97464	101597	129907	126654	124190				
20	109764	110379	104581	97245	101597	130061	126654	124190				
21	109764	109723	102215	96979	101597	128634	126654	124190				
22	109764	109643	101215	96979	101597	128634	126595	124190				
23	109764	109643	100928	96979	101597	128634	126595	123345				
24	109764	109696	100928	96979	101300	128526	126595	123345				
25	109764	109696	100060	96907	101300	128553	126595	123345				
26	109764	109696	99253	96907	101300	128423	125703	127805				
27	109764	109696	99253	98892	101300	128423	125636	132078				
28	109764	109696	98006	98821	101300	128423	125636	151379				
29	109764	109696	97793	98821	103728	128423	125636	161959				
30	109764		98280	100506	103728	128423	125636	164878				
31	109709		98280		103056		125636	164878				

MAXIMUM	114135	110566	109756	100506	103128	130061	128516	164818	0	0	0	0
								Annual Maximum				164,818

# Central District Wastewater Treatment Plant EMD FUEL USE (GALLONS)

Limit 725000 Gallons per 365-days

August-2012

DATE	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	365-day TOTAL
1				6885	141			60		1086				125636
2				6715			80						63	125699
3	56			12166		402			175					125643
4				10783						145	2183			125643
5	247				553							76		125396
6			113		1085				20		3022			125396
7							777			58	3914			125396
8	60	75									2678			125336
9												71		125336
10										198			56	125392
11							1634		27					125392
12											8826			125392
13											1860			125392
14		2610	41								1716			125392
15				68							1373			125392
16	1011				55									124381
17	91		3905	27					61	237				124290
18	100		10261						121	56	1854			124190
19			6676		1738			673			24			124190
20			4097		53						154			124190
21		67	4039											124190
22														124190
23	845													123345
24			1164		60									123345
25					574		53							123345
26			1531		72						27			123345
27			77										4460	127805
28			290	136					2212				4273	132078
29	51				49								19301	151379
30					325			487	1685	1828			10631	161959
31			6891										2859	164818
<b>TOTAL</b>	<b>2461</b>	<b>2752</b>	<b>39085</b>	<b>36780</b>	<b>4705</b>	<b>402</b>	<b>2544</b>	<b>1220</b>	<b>4301</b>	<b>3608</b>	<b>27631</b>	<b>147</b>	<b>41643</b>	<b>164,818</b>

**MAXIMUM**