

FACILITY INFORMATION

Facility Name: South Florida Water Management Dist. Pump Station S-6			
ARMS ID No.: 099-0350	Air Permit No.: 0990350-005-AV	Expiration Date: 8/15/2013	
Facility Contact: Jeffrey Smith	Phone: 561-682-2516 Cell: 561-248-2451	Title: Infrastructure Management Section (Env. Manager)	

INSPECTION SUMMARY

Inspection Date: 01/18/12 (Last Inspected 01/12/11)	Inspector: Paul Kalamaras		
Report Date:	Signature: <i>Paul Kalamaras</i>		
Inspection Type: Annual Inspection	Inspection Subtype: INS2		
Compliance Status: IN	ARMS Updated:	Approval/Date:	
Facility Overview:			
Any Operating at the Time of the Inspection? Yes No			
Pumps #1, #2, #3			
Facility Wide Conditions:			
	In	MNC	SNC NA
1. Are pollutant emission standard for objectionable odor met? Conditions:	Y		
2. Are requirements to prevent unconfined particulate matter properly maintained and visible standard met? Conditions:	Y		
3. Are conditions for unregulated emissions units and activities met? Conditions:	Y		
4. Are conditions for insignificant emission units and activities listed? Conditions:	Y		
5. Are general pollutant emission standard for VOC's met? Conditions:	Y		
6. Are general pollutant emission limiting standard for organic solvent met? Conditions:	Y		

EU ID No.	STATUS	BRIEF DESCRIPTION
001	Inactive	STATIONARY INTERNAL COMBUSTION ENGINES – THREE SIX CYLINDER 1240BHP ENGINES DRIVING THREE PUMPS, TWO 252BHP EMERGENCY GENERATORS AND ONE 60 HP DIESEL ENGINE POWERING ONE STANDBY AIR COMPRESSOR
002/003	Exempt/ Insignificant	Volatile Organic Liquid Storage Tanks – Two 25,000-gallon aboveground storage tanks, four 250 gallon aboveground day tanks less than 40 cubic meters in capacity and miscellaneous coating activities.
004	Regulated	One six-cylinder 1240bhp Caterpillar pump engine Model No. 3606, 144-inch vertical propeller, axial flow pump rated at 975 cubic feet of water per second at 8.3 feet of static head. Diesel Fuel consumption is approximately 66 gallons per hour (~9.3 mmbtu/hr) burning ultra-low distillate fuel oil (0.0015% S by wt). Pump Engine #1 [S/N 8RB00397]. Engine Installed ~1999.
005	Regulated	One six-cylinder 1240bhp Caterpillar pump engine Model No. 3606, 144-inch vertical propeller, axial flow pump rated at 975 cubic feet of water per second at 8.3 feet of static head. Diesel Fuel consumption is approximately 66 gallons per hour (~9.3 mmbtu/hr) burning ultra-low distillate fuel oil (0.0015% S by wt). Pump Engine #2 [S/N 8RB00401]. Engine Installed !1999.
006	Regulated	One six-cylinder 1240bhp Caterpillar pump engine Model No. 3606, 144-inch vertical propeller, axial flow pump rated at 975 cubic feet of water per second at 8.3 feet of static head. Diesel Fuel consumption is approximately 66 gallons per hour (~9.3 mmbtu/hr) burning ultra-low distillate fuel oil (0.0015% S by wt). Pump Engine #3 [S/N 8RB00403]. Engine Installed !1999.
007	Regulated	252bhp Cummins Onan emergency generator with a fuel consumption of 13 gallons per hour (~1.9 mmbtu/hr), Generator#1 [S/N 46397802] Manufacture Date 05/24/04, [Subject to Subpart ZZZZ]. One 60bhp diesel engine powering a standby air compressor.
008	Regulated	252bhp Cummins Onan emergency generator with a fuel consumption of 13 gallons per hour (~1.9 mmbtu/hr), Generator #2 [S/N 60316812] Manufacture Date 01/13/09 [Subject to Subpart IIII and ZZZZ].

#### EMISSION UNIT INSPECTION DETAILS

EU No.	Compliance IN MNC SNC	Inspection Observations and Comments
EU004 EU005 EU006	Regulated Regulated Regulated	Three - 1240hp Caterpillar Engines burning No.2 distillate fuel driving 3 pumps Engine#3 was running. All engines appeared to be in good condition and well maintained. Oil changes and preventive maintenance done the previous year.
EU007 EU008	Regulated Regulated	Two - 252hp emergency generators, OK.  Jan 2011 to Dec 2011 78513 gals /66* gal/hr = 1189 hrs *updated in application/permit 006-AC  Hours of Operation (hrs/year) = 1189 hrs  No.2 distillate fuel usage (gal/12 month rolling) = 78513 gals      Limit = 920,000

EMISSION UNIT INSPECTION DETAILS

EU No.	Compliance IN MNC SNC	Inspection Observations and Comments																																													
EU002	Unregulated	Two - 25,000 gallon Above ground storage tanks (Unregulated) (West Side of facility), Inspected, OK																																													
EU003	Unregulated	<p data-bbox="451 415 1419 453">Three – 300 gallon Above ground storage day tanks (Unregulated), Inspected OK</p> <p data-bbox="464 520 1292 558">Fuel delivered and burned at facility. ULSF is only delivered at facility.</p> <table border="1" data-bbox="464 558 1487 1520"> <thead> <tr> <th data-bbox="464 558 636 655">Date</th> <th data-bbox="636 558 854 655">Gals Delivered (Fuel Slips)*</th> <th data-bbox="854 558 1019 655">Sulfur Content (ppm)</th> <th data-bbox="1019 558 1247 655">Month Fuel Usage</th> <th data-bbox="1247 558 1487 655">Fuel Usage Gallons</th> </tr> </thead> <tbody> <tr> <td data-bbox="464 655 636 688">12/16/2011</td> <td data-bbox="636 655 854 688">7447</td> <td data-bbox="854 655 1019 688">15 (8ppm)</td> <td data-bbox="1019 655 1247 688"></td> <td data-bbox="1247 655 1487 688"></td> </tr> <tr> <td data-bbox="464 688 636 722">11/02/2011</td> <td data-bbox="636 688 854 722">7430</td> <td data-bbox="854 688 1019 722">15</td> <td data-bbox="1019 688 1247 722"></td> <td data-bbox="1247 688 1487 722"></td> </tr> <tr> <td data-bbox="464 722 636 756">11/01/2011</td> <td data-bbox="636 722 854 756">7432</td> <td data-bbox="854 722 1019 756">15</td> <td data-bbox="1019 722 1247 756"></td> <td data-bbox="1247 722 1487 756"></td> </tr> <tr> <td data-bbox="464 756 636 789">10/20/2011</td> <td data-bbox="636 756 854 789">7420</td> <td data-bbox="854 756 1019 789">15</td> <td data-bbox="1019 756 1247 789"></td> <td data-bbox="1247 756 1487 789"></td> </tr> <tr> <td data-bbox="464 789 636 823">09/28/2011</td> <td data-bbox="636 789 854 823">7396</td> <td data-bbox="854 789 1019 823">15</td> <td data-bbox="1019 789 1247 823"></td> <td data-bbox="1247 789 1487 823"></td> </tr> <tr> <td data-bbox="464 823 636 856">09/07/2011</td> <td data-bbox="636 823 854 856">7405</td> <td data-bbox="854 823 1019 856">15</td> <td data-bbox="1019 823 1247 856"></td> <td data-bbox="1247 823 1487 856"></td> </tr> <tr> <td data-bbox="464 856 636 1117">* These are fuel slips that were reviewed for rainy season period</td> <td data-bbox="636 856 854 1117">OK, consistent number of gallons for each fuel delivery.</td> <td data-bbox="854 856 1019 1117">OK</td> <td data-bbox="1019 856 1247 1117"></td> <td data-bbox="1247 856 1487 1117"></td> </tr> <tr> <td data-bbox="464 1310 636 1411">Storage Tanks are kept full</td> <td data-bbox="636 1310 854 1411">YES</td> <td data-bbox="854 1310 1019 1411"></td> <td data-bbox="1019 1310 1247 1411">Total Fuel Consumed for 2011, Log Sheet</td> <td data-bbox="1247 1310 1487 1411">78513</td> </tr> </tbody> </table> <p data-bbox="438 1545 1461 1722">Comments: For Subpart ZZZZ inspected crankcase emission control systems on all 3 engines they were installed and took pictures of them. All Caterpillar engines have them. Fairbanks Morse engines do not produce crankcase emissions therefore not required to have controls. Did a 12-minute spot check VE on Pump Engine #3 that was running looked good mainly 5% opacity.</p>	Date	Gals Delivered (Fuel Slips)*	Sulfur Content (ppm)	Month Fuel Usage	Fuel Usage Gallons	12/16/2011	7447	15 (8ppm)			11/02/2011	7430	15			11/01/2011	7432	15			10/20/2011	7420	15			09/28/2011	7396	15			09/07/2011	7405	15			* These are fuel slips that were reviewed for rainy season period	OK, consistent number of gallons for each fuel delivery.	OK			Storage Tanks are kept full	YES		Total Fuel Consumed for 2011, Log Sheet	78513
Date	Gals Delivered (Fuel Slips)*	Sulfur Content (ppm)	Month Fuel Usage	Fuel Usage Gallons																																											
12/16/2011	7447	15 (8ppm)																																													
11/02/2011	7430	15																																													
11/01/2011	7432	15																																													
10/20/2011	7420	15																																													
09/28/2011	7396	15																																													
09/07/2011	7405	15																																													
* These are fuel slips that were reviewed for rainy season period	OK, consistent number of gallons for each fuel delivery.	OK																																													
Storage Tanks are kept full	YES		Total Fuel Consumed for 2011, Log Sheet	78513																																											

South Florida Water Management District  
Fuel Consumption  
Calendar Year 2011

Station	S-6	S-5A
Units	GAL	GAL
Jan	3658	13033
Feb	391	498
Mar	7989	10867
Apr	749	6685
May	1703	8473
Jun	426	3862
Jul	15543	24558
Aug	9856	8344
Sep	17920	14305
Oct	10651	27878
Nov	6247	12061
Dec	3380	2644
Totals	78513	133208

REMIT TO:

5131 Recker Highway  
Winter Haven, FL 33880-1250  
Tel: 863-965-8788  
Fax: 863-967-6235



1281 South Main St.  
Belle Glade, FL 33430-6360  
Tel: 561-996-6746  
Fax: 561-992-4391  
FEIN: 65-1158761

ORDER #: 0008390  
ORDER DATE: 9/6/2011  
SHIP DATE: 9/7/2011  
EARLIEST: 7 A  
LATEST: 2 P

**PETROLEUM**  
DEPENDABLE ENERGY SOLUTIONS

CSR: PAM  
SALES REP: LEIF LUNDE (LUBES)  
DEP FACILITY:



SOLD TO: 0190330  
SOUTH FLORIDA WATER MANAGEMENT  
P O BOX 24680  
JERRY  
WEST PALM BEACH, FL 33416

SHIP TO: 00S6  
SFWM-STATION S-6  
SR 827  
\* OP .032 PUMP STATION S-6  
FL  
561-686-8800

**DELIVERY TICKET**

04115

CUSTOMER P.O. 4500062303      ORDERED BY: JAVIER 561-791-4100 X4108      TRUCK: STARFLEETNFS      DRIVER: Johnny P.      TERMS: NET 20 DAYS

WHSE ITEM      UNIT      PRODUCT DESCRIPTION      ORDERED      SHIPPED      PRICE      AMOUNT

100 228      GAL      DYED ULS DIESEL \* RED \*      7,500.00      7405

(15ppm sulfur) UN1993 Fuel Oil 3, PG III  
E.R. Guide 128, Dyed Diesel Fuel  
Non-Taxable Use Only, Penalty for Taxable Use

GHT

(SIGNATURE)

consumed, for overfills, cross drops, spills or product or ground contamination, which are a direct result of Customer's failure to take the above precautions

In the event of default or failure to make full payment under this invoice the buyer agrees to pay late payment charges computed as follows: On accounts with balances beyond the invoice due date of less than \$500,000, 1.5% per month (18% per annum). On accounts with balances beyond the invoice due date of \$500,000 or greater, 2% per month (24% per annum). Buyer further agrees to pay any collection costs or attorney fees (regardless of whether a lawsuit is actually filed), including costs and fees incurred on appeal if incurred in the collection of this invoice.

PRINTED NAME OF AUTHORIZED SIGNER

DATE RECEIVED

Printed 9/06 2:47 pm Pulled by: \_\_\_\_\_ Check Out: \_\_\_\_\_ Check In: \_\_\_\_\_



P. 13/14  
No. 8215  
Sep. 3. 2011 5:12AM

MOTIVA ENTERPRISES LLC  
NORCO REFINING  
CERTIFICATE OF ANALYSIS

CUSTOMER: MOTIVA Enterprises, LLC Mobile Marine	EPA 4295-81253
PRODUCT : 27101 Ultra Low Sulfur Diesel #2 Product	909 Fania Plaza Level One Houston, TX 77010
Ship: O/S HOUSTON	Trip No: 284346
Sample Number : 412001	Shipping Order No :
	Shipping Date : 02-SEP-2011

Component/Property	Units	ANALYSIS	
		Results	Method
API Grav, 60F	API	34.7	D4052/API
Color, ASTM		<1.0	D6045/ASTM C1
BSEW Sed + Water	%vol	0.00	D2709/BSEW
Cetane Index		45.9	D4737A&D976/C
Cetane Index (D976)		46.7	D4737A&D976/C
Cloud Point	°F	2	D5773/Cloud P
Corr, Cu, 122F		1	D130/Cu Corrc
IBP	°F	346.7	D36/Distil
10%	°F	408.8	D36/Distil
20%	°F	438.8	D36/Distil
30%	°F	465.2	D36/Distil
40%	°F	488.7	D36/Distil
50%	°F	512.0	D36/Distil
60%	°F	533.7	D36/Distil
70%	°F	555.1	D36/Distil
80%	°F	580.5	D36/Distil
90%	°F	617.0	D36/Distil
95%	°F	652.4	D36/Distil
FBP	°F	663.2	D36/Distil
Residue	%vol	1.0	D86/Distil
Loss	%vol	1.9	D86/Distil
Flash Pt, PMOC	°F	155	D93A/PN Flash
Haze		1	D4176/Haze
Pour Point	°F	-16	D5949/Pour
Visc, Kin, 104F	cSt	2.770	D445/Vis@104
Ash	%mass	0.00	D482/ASH
Micro Carbon Residue-Avg	%mass	0.0033	D4530/MCR10
Stability, DuPont	pad rating	1	F21/Stability
Total Sulfur	ppm_mass	6.0 ✓	D5453/Sulfur

Remarks:  
 Motiva Enterprises, LLC, 15536 River Road, Norco, LA 70079 - EPA 4295-81206 / THIS PRODUCT IS 15 PPM Sulfur (MAXIMUM) UNDYED ULTRA-LOW SULFUR DIESEL #2 FUEL. FOR USE IN ALL DIESEL VEHICLES AND ENGINES. IS DISTILLATE MEETS ALL FEDERAL AND STATE REQUIREMENTS FOR ON-ROAD (ON-HIGHWAY) MOTOR VEHICLE DSE, HOWEVER IT IS NOT APPROVED FOR DIESEL MOTOR VEHICLE USE IN CALIFORNIA UNDER CARB DIESEL REGULATIONS. UNDYED DIESEL FUEL, NO VISIBLE EVIDENCE OF DYE #20 15 PPM SULFUR MOTOR VEHICLE DIESEL FUEL  
 where a result is flagged as '<', the value given is the minimum detectable limit for that component.  
 Source 1 (Q)- 41287 barrels, 100 pct

0990350-006-AE

EPA  
VISIBLE EMISSION OBSERVATION FORM 1

Form Number     Page  of

Continued on VEO Form Number

Method Used (Circle One)  
Method 9  203A  203B  Other \_\_\_\_\_

Company Name \_\_\_\_\_  
Facility Name **0990350-006-AE**  
**5 Pump Pump Station 56**  
Street/Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Process **Pump station** Unit # **3** Operating Mode **45-556**  
Control Equipment \_\_\_\_\_ Operating Mode \_\_\_\_\_

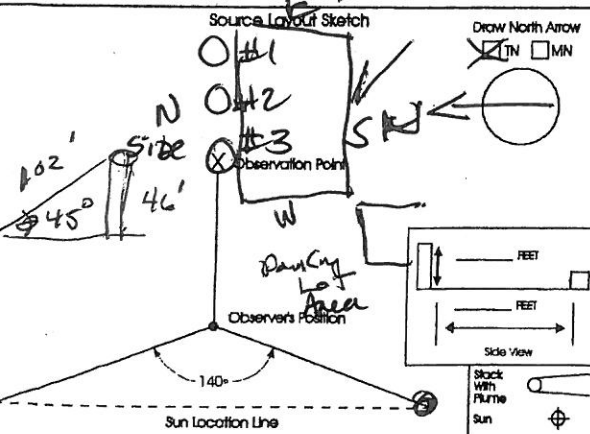
Describe Emission Point  
**Circular stack with Flap exhaust**

Height of Emiss. Pt. Start **46'** End **46'** Height of Emiss. Pt. Rel. to Observer Start **46'** End **46'**  
Distance to Emiss. Pt. Start **100'** End **100'** Direction to Emiss. Pt. (Degrees) Start **090°** End **090°**

Vertical Angle to Obs. Pt. Start **45°** End **45°** Direction to Obs. Pt. (Degrees) Start **090°** End **090°**  
Distance and Direction to Observation Point from Emission Point Start **100'** End **100'**

Describe Emissions  
Start **Very high grey/Black** End **same**  
Emission Color **Very light Brown** Water Droplet Plume Attached  Detached  None

Describe Plume Background  
Start **Blue sky** End **Blue sky**  
Background Color Start **Blue** End **Blue** Sky Conditions Start **scf** End **scf**  
Wind Speed Start **8** End **8** Wind Direction Start **SE** End **SE**  
Ambient Temp. Start **78°** End **78°** Wet Bulb Temp. **63** RH Percent **58%**



Longitude \_\_\_\_\_ Latitude \_\_\_\_\_ Declination \_\_\_\_\_

Additional Information \_\_\_\_\_

Observation Date	Time Zone	Start Time	End Time	Comments		
01/18/12	E.S.T	11:07	11:18			
Min	Sec	0	15	30	45	
1	10	10	10	10		(Spot check)
2	5	10	10	5		on VE
3	5	5	5	5		
4	5	5	5	5		JEFF SMITH
5	5	5	5	5		LOW MGR WAS
6	5	5	5	5		My witness -
7	5	5	5	5		He concurred
8	5	5	5	5		5% barely noticeable
9	5	5	5	5		emissions (brownish smoke)
10	5	5	5	5		
11	5	5	5	5		
12	5	5	5	5		
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

Observer Name (Print) **PAUL KALAMAS**  
Observer's Signature *Paul Kalamas* Date **1-18-12**  
Organization **PAC Health Dept**  
Certified By **ETA#396062** Date **01-11-12**

RE-CERTIFIED