

Reclaimed Water or Effluent Analysis Report

Part I - Instructions

- (1) All applicable items must be completed in full. Note that if parts of this application do not apply, those parts of the form need not be executed.
- (2) All information is to be typed or printed in ink.
- (3) This form shall be submitted to the appropriate District Office in accordance with the schedule in the permit.
- (4) Analyses shall be performed using appropriate methods and shall be capable of achieving minimum detection limits less than or equal to the maximum contaminant levels shown.
- (5) The following instructions apply to Parts III through VIII of this form.
- (6) Column (a) - List the parameters that are to be analyzed.
- (7) Column (b) - List the STORET Code for these parameters.
- (8) Column (c) - Record the results of the analysis. If the result was below the minimum detection limit, indicate by showing a less than sign preceding the detection limit for the analytical method used (i.e. < 0.01).
- (9) Column (d) - List the primary or secondary drinking water standard from Chapter 17-550, F.A.C.
- (10) Column (e) - Indicate the analytical method used. Record the number from Figure 1 in Chapter 17-601, F.A.C., or from other sources.
- (11) Column (f) - Enter the date on which the analysis was run (MM/DD/YR).
- (12) Column (g) - If the result shown in Column (c) is greater than the standard shown in Column (d) - enter an asterisk (*) in Column (g).

Part II - General Information

- (1) Facility Name South Collier County Water Reclamation Facility
Address 5600 Warren Street
City Naples, Florida Zip 34113
Telephone Number (239) 252-6886
- (2) Owner or Authorized Representative
Name Dale Waller
Title Plant Manager
Address 5600 Warren Street
City Naples State Florida Zip 34113
Telephone (239) 252-6886
- (3) Method of Discharge Spray Irrigation Public Access
- (4) Report Period: 01/01/12 To 03/31/12

(Beginning Date)

(End Date)

(5) Name of Laboratory conducting the analysis: PACE (NELAP #E83079)

Address 8 East Tower Cr.

City Ormond Beach State Florida Zip 31174-8759

Telephone Number (386) 672-5668

(6) The facilities DER identification number (also known as the GMS identification number) FL0141356

(7) DER test site identification number (for the sampling location) EFA-01 Final #1

(8) Description of the monitoring point 24 hour composite - FINAL EFFLUENT #1

(9) Date on which the sample was taken (MM/DD/YR) 01/18/12

Time of day at which the sample was taken 09:00 a.m. p.m.

(10) Date of extraction for the organic chemical analysis performed in Part VI 1/20/12 & 1/23/12

Part III - Inorganic Analysis

(a) Parameter Name	(b) STORET Code	(c) Analysis Result (mg/L)	(d) Standard (mg/L)	(e) Analytical Method	(f) Analysis Date	(g) Above Standard
Arsenic	900208	<0.0025 U	0.01	EPA 200.8	01/24/12	
Barium	900209	0.00 59 I	2.0	EPA 200.7	01/22/12	
Cadmium	900210	<0.00050 U	0.005	EPA 200.7	01/22/12	
Chromium	900211	<0.0025 U	0.1	EPA 200.7	01/22/12	
Fluoride	000951	0.50	2.0	EPA 300.0	01/19/12	
Lead	900212	<0.00050 U	0.015	EPA 200.8	01/23/12	
Mercury	900213	0.10 U	0.002	EPA 245.1	01/20/12	
Nitrate (as N)	071850	9.8	10	EPA 300.0	01/19/12	
Selenium	900214	<0.0025 U	0.05	EPA 200.8	01/24/12	
Silver	900215	<0.0025 U	0.1	EPA 200.7	01/22/12	
Sodium	000929	126	160	EPA 200.7	01/22/12	

U-Not detected above the MDL, I-Analyte detected below quantitation limit

Part IV - Volatile Organic Analysis

(a) Parameter Name	(b) STORET Code	(c) Analysis Result (ug/L)	(d) Standard (ug/L)	(e) Analytical Method	(f) Analysis Date	(g) Above Standard
EDB	900222	<0.0061 U	0.02	EPA 504.1	01/24/12	
p-dichlorobenzene		<0.25 U	75	EPA 524.2	01/23/12	
Vinyl chloride	039175	<0.25 U	1	EPA 524.2	01/23/12	
1,1-dichloroethylene		<0.25 U	7	EPA 524.2	01/23/12	
1,2-dichloroethane	034531	<0.25 U	3	EPA 524.2	01/23/12	

Part IV - Volatile Organic Analysis (continued)

(a) Parameter Name	(b) STORET Code	(c) Analysis Result (ug/L)	(d) Standard (ug/L)	(e) Analytical Method	(f) Analysis Date	(g) Above Standard
1,1,1-trichloroethane	034508	<0.25 U	200	EPA 524.2	01/23/12	
Carbon tetrachloride	032102	<0.25 U	3	EPA 524.2	01/23/12	
Trichloroethylene	-	<0.25 U	3	EPA 524.2	01/23/12	
Tetrachloroethylene	-	<0.25 U	3	EPA 524.2	01/23/12	
Benzene	034030	<0.25 U	1	EPA 524.2	01/23/12	

U-Not detected above the MDL

Part V - Trihalomethane Analysis

(a) Parameter Name	(b) STORET Code	(c) Analysis Result (ug/L)	(d) Standard (ug/L)	(e) Analytical Method	(f) Analysis Date	(g) Above Standard
Total THM	062080	92.9	80	EPA 524.2	01/23/12	*(12.9)

Part VI - Organic Chemical Analysis

(a) Parameter Name	(b) STORET Code	(c) Analysis Result (ug/L)	(d) Standard (ug/L)	(e) Analytical Method	(f) Analysis Date	(g) Above Standard
Endrin	039390	<0.0022 U	2	EPA 508.1	01/27/12	
Lindane	039762	<0.0033 U	0.2	EPA 508.1	01/27/12	
Methoxychlor	039480	<0.015 U	40	EPA 508.1	01/27/12	
Toxaphene	039400	<0.66 U	3	EPA 508.1	01/27/12	
2,4-D	039780	<0.017 U	70	EPA 515.3	01/21/12	
2,4,5,-TP (Silvex)	03.0760	<0.035 U	50	EPA 515.3	01/21/12	

U-Not detected above the MDL

Part VII - Radiological Analysis

(a) Parameter Name	(b) STORET Code	(c) Analysis Result (pCi/L)	(d) Standard (pCi/L)	(e) Analytical Method	(f) Analysis Date	(g) Above Standard
Gross alpha	001519	<2.98U ± 1.21	15	EPA 900.0m	01/30/12	
Radium-226 Radium-228	011503	<0.791 U ± 0.238 <0.948 U ± 0.413	5 (combined)	EPA 903.1 EPA 904.0	01/30/12 01/30/12	

U-Not detected above the MDL

Part VIII - Secondary Chemical Analysis

(a) Parameter Name	(b) STORET Code	(c) Analysis Result (mg/L)	(d) Standard (mg/L)	(e) Analytical Method	(f) Analysis Date	(g) Above Standard
Chloride	000940	138	250	EPA 300.0	01/22/12	
Copper	900218	<0.0046U	1	EPA 200.8	01/24/12	
Iron	900219	0.046	0.3	EPA 200.7	01/22/12	
Manganese	900220	0.013	0.05	EPA 200.7	01/22/12	

Part VIII - Secondary Chemical Analysis (continued)

(a) Parameter Name	(b) STORET Code	(c) Analysis Result (mg/L)	(d) Standard (mg/L)	(e) Analytical Method	(f) Analysis Date	(g) Above Standard
Sulfate	000945	57.9	250	EPA 300.0	01/19/12	
Zinc	900221	0.046	5	EPA 200.7	01/22/12	
pH (units)	000403	7.4	6.5-8.5	SM4500-H+B	01/19/12	
TDS	070300	525	500	SM2540 C	01/23/12	*(25 mg/L)
Foaming Agents	900217	0.23	0.5	SM5540 C	01/19/12	

I-Analyte detected below quantitation limit

Part IX - Certification

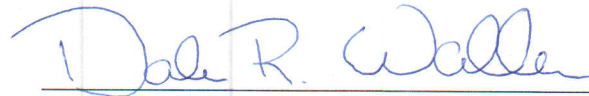
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that these are significant penalties for submitting false information, including the possibility of fine and imprisonment.

03/06/12

Date

(239) 252-6886

Phone
Number



Signature of Lead Operator

Dale Waller

Name (please type)

A-0005992

Certification

Public Utilities Division / Wastewater
Address

5600 Warren Street

Naples, Fl 34113

Reclaimed Water or Effluent Analysis Report

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- (9) Column (d) - List the primary or secondary drinking water standard from Chapter 17-550, F.A.C.
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- (3) Method of Discharge Spray Irrigation Public Access
- (4) Report Period: 01/01/12 To 03/31/12

(Beginning Date)

(End Date)

- (5) Name of Laboratory conducting the analysis: PACE (NELAP #E83079)
 Address 8 East Tower Cr.
 City Ormond Beach State Florida Zip 31174-8759
 Telephone Number (386) 672-5668
- (6) The facilities DER identification number (also known as the GMS identification number) FL0141356
- (7) DER test site identification number (for the sampling location) EFA-02 Final #2
- (8) Description of the monitoring point 24 hour composite - FINAL EFFLUENT #2
- (9) Date on which the sample was taken (MM/DD/YR) 01/18/12
 Time of day at which the sample was taken 9:11 a.m. p.m.
- (10) Date of extraction for the organic chemical analysis performed in Part VI: 1/20/12 & 1/23/12

Part III - Inorganic Analysis

(a) Parameter Name	(b) STORET Code	(c) Analysis Result (mg/L)	(d) Standard (mg/L)	(e) Analytical Method	(f) Analysis Date	(g) Above Standard
Arsenic	900208	<0.0025 U	0.01	EPA 200.8	01/24/12	
Barium	900209	0.0058 I	2.0	EPA 200.7	01/22/12	
Cadmium	900210	<0.00050 U	0.005	EPA 200.7	01/22/12	
Chromium	900211	<0.0025 U	0.1	EPA 200.7	01/22/12	
Fluoride	000951	0.50	2.0	EPA 300.0	01/19/12	
Lead	900212	<0.00050 U	0.015	EPA 200.8	01/23/12	
Mercury	900213	<0.00010 U	0.020	EPA 245.1	01/20/12	
Nitrate (as N)	071850	9.7	10	EPA 300.0	01/19/12	
Selenium	900214	<0.0025 U	0.05	EPA 200.8	01/24/12	
Silver	900215	<0.0025 U	0.1	EPA 200.7	01/22/12	
Sodium	000929	127	160	EPA 200.7	01/22/12	

U-Not detected above the MDL, I-Analyte detected below quantitation limit

Part IV - Volatile Organic Analysis

(a) Parameter Name	(b) STORET Code	(c) Analysis Result (ug/L)	(d) Standard (ug/L)	(e) Analytical Method	(f) Analysis Date	(g) Above Standard
EDB	900222	<0.0063 U	0.010	EPA 504.1	01/24/12	
p-dichlorobenzene		<0.25 U	75	EPA 524.2	01/23/12	
Vinyl chloride	039175	<0.25 U	1	EPA 524.2	01/23/12	
1,1-dichloroethylene		<0.25 U	7	EPA 524.2	01/23/12	
1,2-dichloroethane	034531	<0.25 U	3	EPA 524.2	01/23/12	

Part IV - Volatile Organic Analysis (continued)

(a) Parameter Name	(b) STORET Code	(c) Analysis Result (ug/L)	(d) Standard (ug/L)	(e) Analytical Method	(f) Analysis Date	(g) Above Standard
1,1,1-trichloroethane	034508	<0.25 U	200	EPA 524.2	01/23/12	
Carbon tetrachloride	032102	<0.25 U	3	EPA 524.2	01/23/12	
Trichloroethylene	-	<0.25 U	3	EPA 524.2	01/23/12	
Tetrachloroethylene	-	<0.25 U	3	EPA 524.2	01/23/12	
Benzene	034030	<0.25 U	1	EPA 524.2	01/23/12	

U-Not detected above the MDL

Part V - Trihalomethane Analysis

(a) Parameter Name	(b) STORET Code	(c) Analysis Result (ug/L)	(d) Standard (ug/L)	(e) Analytical Method	(f) Analysis Date	(g) Above Standard
Total THM	062080	94.7	80	EPA 524.2	01/23/12	*(14.7 ug/l)

Part VI - Organic Chemical Analysis

(a) Parameter Name	(b) STORET Code	(c) Analysis Result (ug/L)	(d) Standard (ug/L)	(e) Analytical Method	(f) Analysis Date	(g) Above Standard
Endrin	039390	<0.0021 U	2	EPA 508.1	01/27/12	
Lindane	039762	<0.0032 U	0.2	EPA 508.1	01/27/12	
Methoxychlor	039480	<0.015 U	40	EPA 508.1	01/27/12	
Toxaphene	039400	<0.65 U	3	EPA 508.1	01/27/12	
2,4-D	039780	<0.017 U	70	EPA 515.3	01/21/12	
2,4,5,-TP (Silvex)	03.0760	<0.035 U	50	EPA 515.3	01/21/12	

U-Not detected above the MDL

Part VII - Radiological Analysis

(a) Parameter Name	(b) STORET Code	(c) Analysis Result (pCi/L)	(d) Standard (pCi/L)	(e) Analytical Method	(f) Analysis Date	(g) Above Standard
Gross alpha	001519	<1.23 U +/- 0.751	15	EPA 900.0m	01/30/12	
Radium-226 Radium-228	011503	<0.764 U +/- 0.353 <0.897 U +/- 0.403	5 (combined)	EPA 903.1 EPA 904.0	01/30/12 01/30/12	

U-Not detected above the MDL

Part VIII - Secondary Chemical Analysis

(a) Parameter Name	(b) STORET Code	(c) Analysis Result (mg/L)	(d) Standard (mg/L)	(e) Analytical Method	(f) Analysis Date	(g) Above Standard
Chloride	000940	138	250	EPA 300.0	01/22/12	
Copper	900218	<0.0046 U	1	EPA 200.8	01/24/12	
Iron	900219	0.046	0.3	EPA 200.7	01/22/12	
Manganese	900220	0.014	0.05	EPA 200.7	01/22/12	

Part VIII - Secondary Chemical Analysis (continued)

(a) Parameter Name	(b) STORET Code	(c) Analysis Result (mg/L)	(d) Standard (mg/L)	(e) Analytical Method	(f) Analysis Date	(g) Above Standard
Sulfate	000945	58.0	250	EPA 300.0	01/19/12	
Zinc	900221	0.045	5	EPA 200.7	01/22/12	
pH (units)	000403	7.4	6.5-8.5	SM4500-H+B	01/19/12	
TDS	070300	518	500	SM2540 C	01/23/12	* (18 mg/L)
Foaming Agents	900217	0.21	0.5	SM5540 C	01/19/12	

U-Not detected above MDL

Part IX - Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that these are significant penalties for submitting false information, including the possibility of fine and imprisonment.

03/06/12

Date

(239) 252-6886

Phone
Number



Signature of Lead Operator

Dale Waller

Name (please type)

A-0005992

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